

ANNUAL ACTION PLAN

JNKVV, JABALPUR

2020



**ICAR-Agricultural Technology Application Research Institute,
Indian Council of Agricultural Research
Zone IX, Jabalpur, M.P.**

Contents

S. No.	Particulars	Page No.
1.	KVK, Balaghat	1-110
2.	KVK, Betul	11-201
3.	KVK, Chhatarpur	202-271
4.	KVK, Chhindwara-I	272-332
5.	KVK, Chhindwara-II	333-375
6.	KVK, Damoh	376-426
7.	KVK, Dindori	427-500
8.	KVK, Harda	501-581
9.	KVK, Jabalpur	582-679
10.	KVK, Katni	680-747
11.	KVK, Mandla	748-812
12.	KVK, Narsinghpur	813-868
13.	KVK, Panna	869-939
14.	KVK, Rewa	940-1034
15.	KVK, Sagar-I	1035-1100
16.	KVK, Sagar-II	1101-1138
17.	KVK, Seoni	1139-1220
18.	KVK, Shahdol	1221-1300
19.	KVK, Sidhi	1301-1363
20.	KVK, Singrauli	1364-1435
21.	KVK, Tikamgarh	1436-1501
22.	KVK, Umaria	1502-1571

1. KVK, Balaghat

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	27	1500	-	-	-
FLDs – Oilseeds (activity in ha)	22	100	-	-	-
FLDs – Pulses (activity in ha)	28	300	-	-	-
FLDs – Cotton (activity in ha)	-	-	-	-	-
FLDs – Other than Oilseed and pulse crops(activity in ha)	-	-	-	-	-
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	-	-	-	-	-
Training-Farmers and farm women	45	2500	-	-	-
Training-Rural youths	16	350	-	-	-
Training- Extension functionaries	13	300	-	-	-
Extension Activities	500	1500	-	-	-
Seed Production (Number of activity as seeds in quintal)	300	1500	-	-	-
Planting material ((Number of activity as quantity of planting material in quintal)	1200	125	-	-	-
Seedling Production (Number of activity as number of seedlings in numbers)	150000	120	-	-	-
Sapling Production (Number of activity as number of sapling in numbers)	600	30	-	-	-
Other Bio- products (No. of quantity)	-	-	-	-	-
Live stock products	-	-	-	-	-
Activities of Soil and Water Testing Laboratory	1000	3000	-	-	-
Rainwater Harvesting System	4	100	-	-	-
Kisan Mobile Advisory (KVK-KMA)	160	300000	-	-	-
SAC Meeting (Date & no. of core/ official members)	Sept. 2020 to Dec.	48	-	-	-

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
	2020				
Literature to be Developed/Published	45	8500	-	-	-
Convergence programmes / Sponsored programmes	-	-	-	-	-
Utilization of Farmers Hostel	2	88	-	-	-
Utilization of Staff Quarters	-	-	-	-	-
Details of KVK Agro-technological Park	9	738	-	-	-
Crop Cafeteria-	5	3000	-	-	-
Farm Innovators- list of 10 farm innovators from the District	4	30	-	-	-
Status of Revolving Funds	2	1500000	-	-	-
Awards and Recognitions	4	-	-	-	-
Case study / Success Story to be developed	15	750	-	-	-
KVK Progressive Farmers interaction	5	100	-	-	-
Outreach of KVK in the District (No. of blocks, no. of villages)	12	1272	-	-	-
Technology Demonstration under Tribal Sub Plan	-	-	-	-	-
KVK Ring	5	250	-	-	-
Important visitors to KVK	10	40	-	-	-
Status of KVK Website	1	5000	-	-	-
Status of RTI	-	-	-	-	-
E-connectivity	-	-	-	-	-
Details of Technology Week Celebrations	4	200	-	-	-
Interventions on Drought Mitigation	3	500	-	-	-
Sansad Adarsh Gram			-	-	-
Other Activities			-	-	-

1. GENERAL INFORMATION

1.1. Staff Position (as on dated 04/06/2020)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Balaghat	16	1	1	6	3	3	2	6	1	16	07

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Senior scientist & Head	Dr. R.L. Raut	Horticulture	Ph. D	Horticulture	37400+9000-67000	46400	01.02.2019	Permanent	OBC
Scientist	Dr. S.R. Dhuware	Agril. Ext.	Ph. D.	Agril. Ext.	15600+6000+39100	33930	03.03.2007	Permanent	OBC
Scientist	Dr. Sunil Kumar Jatav	Plant Breeding	Ph. D.	Plant Breeding	15600-6000-39100	21600	21.08.2017	Permanent	SC
Scientist	Dr. Brajkishor Prajapati	Agronomy	Ph.D.	Agronomy	15600-6000-39100	21600	12.09.2017	Permanent	SC
Scientist	Vacant	-	-	-	-	-	-	-	-
Scientist	Vacant	-	-	-	-	-	-	-	-
Scientist	Vacant	-	-	-	-	-	-	-	-
Programme Assistant	Dr. Murlidhar Ingle		Ph.D.	Food Science	9300-4200-34800	42700	28.01.2019	Permanent	OBC
Programme Assistant	Sh. Sukhlal Waskel		M.Sc.	Horticulture	9300-4200-34800	42700	02.02.2019	Permanent	ST
Computer Programmer	Vacant	-	-	-	-	-	-	-	-

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Accountant / superintendent	Vacant	-	-	-	-	-	-	-	-
Stenographer	Vacant	-	-	-	-	-	-	-	-
Driver	Sh. Dilip Kumar Shiv	-	Hr. Sec.	-	25400+700=26200	26200	11.07.2008	Permanent	SC
Driver	*Sh. Sudhir Kumar Sharma	-	Hr. Sec.	-	25400+700=26200	26200	11.07.2008	Permanent	GEN
Supporting staff	-	-	-	-	-	-	-	-	-
Supporting staff	-	-	-	-	-	-	-	-	-

***Shri Sudhir Kumar Sharma was died on 15/01/2020**

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

The Balaghat District looks like a flying bird and is situated in southern part of Jabalpur division. It occupies the south eastern region of the Satpura and Upper Wainganga Valley. The district spans over a degree from 21.19' to 22.24' North and 79.31 to 81.3' East. The total area of the district is 924500 hectare and bounded by Rajnandgaon in the East, Seoni in the West, District Mandla in the North and District Bhandara of Maharashtra State in the south. The Wainganga River separates the district from Seoni while the rivers Bawanthadi and Bagh define the inter-state boundary.

1.2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system / enterprise
1	Paddy+Pigeonpea – Chickpea / Black gram / Linseed
2	Paddy+Pigeonpea – Paddy
3	Paddy+Pigeonpea – fallow
4	Paddy+Pigeonpea –Wheat/Mustard/Chickpea/Lathyrus - Green gram
5	Kodo / kutki / Niger – fallow
6	Vegetables – Vegetables
7	Maize – Mustard/Toria
8	Sugarcane
9	Water chestnut
10	Dairying

S. No	Farming system / enterprise
11	Poultry

1.2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1	Agro climatic Zone of India	Central Plateau & hills Region
2	Agro climatic Zone of MP	Chhattisgarh Plain Average rainfall- 1447 mm Temperature-min-6°C, max-45°C

1.2.3 Major Agro ecological situations (based on soil and topography)

Agro Ecological Situation	Characteristics	
AES-I	Block covered	Lanji, Paraswada, Baihar, Birsa
	Geographical Area	483479 ha.
	Topography	Hilly & Undulating
	Soils	Red loamy
	Major Farming systems	Agril. + AH (63.57%) Agril. + Horti. (23.93%) Agril. + Horti. + AH (12.30%)
	Major crops	Rice, Arhar, Minor Millets, Maize, Niger, Wheat, Chickpea, Linseed, Mustard, Blackgram, Greengram.
AES-II	Block covered	Balaghat, Kirnapur
	Geographical Area	203259 ha.
	Topography	Plain
	Soils	Red sandy
	Major Farming systems	Agril. + AH (14.85%) Agril. + Horti. (57.10%) Agril. + Horti. + AH (28.05%)
	Major crops	Rice, Arhar, Sugarcane, Blackgram, Wheat, Gram, Linseed, Greengram.

Agro Ecological Situation	Characteristics	
AES-III	Block covered	Waraseoni, Khairlanji, Katangi, Lalburra
	Geographical Area	237762 ha.
	Topography	Plain
	Soils	Mixed red & black
	Major Farming systems	Agril. + AH (55.00%) Agril. + Horti. (41.66%) Agril. + Horti. + AH (03.34%)
	Major crops	Rice, Arhar, Lathyrus, Sugarcane, Maize, Blackgram, Wheat, Gram, Groundnut, Greengram.

1.2.4 Soil types

S. No	Soil type	Area in %
1	Sandy soil	2 %
2	Sandy loam	21 %
3	Clay loam	44 %
4	Clay Soil	33 %

1.2.5 Area, Production and Productivity of major crops cultivated in the district

Sl. No.	Crops	Area (000ha)	Production (1000 ton)	Productivity (kg/ha)
1	Paddy	265	1099.75	4150
2	Maize	12	30	2500
3	Kodo - Kutki	5.5	5.445	990
	Total Cereals	282.5	1135.195	-
4	Black Gram	1	0.7	700
5	Arhar	11	20.9	1900
	Total Pulses	12	21.6	-
6	Seasemum	2	1.9	950
	Total oilseeds	2	1.9	-
	Total Kharif	296.5	1158.695	-

Sl. No.	Crops	Area (000ha)	Production (1000 ton)	Productivity (kg/ha)
1	Wheat	76.6	117.964	1540
2	Chick pea	57.3	65.3793	1141
3	Mustard	23.9	4.78	200
4	Linseed	25.07	11.2815	450
5	Pea	3	2.55	850
6	Sugarcane	3.3	27.3735	8295
	Total Rabi	189.17	229.3283	-

Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Chhattisgarh Plane	10	693	1701156	67.46	7.37% (SC) & 22.5 % (ST)	131951	1.2

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Balaghat	Koste	2010	Kirnapur	03	1800	460
Balaghat	Bagadmara	2008	Kirnapur	13	1900	630
Balaghat	Badgaon	2001	Kirnapur	0	1200	412
Balaghat	Bamhangaon	2009	Kirnapur	08	1520	530
Balaghat	Nakshi	2009	Kirnapur	06	1450	547
Balaghat	Amgaon	2001	Kirnapur	01	1125	468
Balaghat	Budbuda	2010	Waraseoni	67	1940	688
Balaghat	Nevargaon	2008	Kirnapur	20	1480	427
Balaghat	Chikhala	2009	Kirnapur	25	1690	565
Balaghat	Bisapur	2010	Katangi	78	1360	287
Balaghat	Tavejhari	2012	Balaghat	40	1280	366
Balaghat	Devgaon	2010	Kirnapur	08	1800	522
Balaghat	Kaweli	2015	Paraswada	75	1566	489
Balaghat	Kulpa	2015	Paraswada	80	1043	309

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Balaghat	Awlajhari	2015	Balaghat	42	3550	740
Balaghat	Lendehhari	2015	Lalbarra	46	1482	645
Balaghat	Botte	2015	Lalbarra	49	2340	541
Balaghat	Chillod	2015	Lalbarra	56	2684	660
Balaghat	Lohara	2015	Lalbarra	63	2465	248
Balaghat	Dongariya	2015	Lalbarra	46	1612	196
Balaghat	Mohgaon	2017	Paraswada	65	777	190
Balaghat	Tikadi	2018	Paraswada	45	2023	1258
Balaghat	Lotmara	2018	Paraswada	85	926	211
Balaghat	Kharra	2018	Balaghat	45	630	155
Balaghat	Chalishbodi	2018	Paraswada	50	803	238
Balaghat	Kharpadiya	2018	Paraswada	53	1510	523
Balaghat	Bhadutola	2018	Paraswada	46	618	151
Balaghat	Binora	2018	Kirnapur	20	2374	1526
Balaghat	Choundhatola	2018	Lanji	25	3130	2658

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Balaghat	Crop Diversification with fodder/forage crops to increase cropping intensity
Balaghat	Need to create awareness about crop residues treatment for livestock's
Balaghat	Need to create awareness about fodder/forage crops
Balaghat	Varietal replacement of Paddy, linseed, Wheat, Chick pea etc.
Balaghat	Balance feeding of milch animal and health management.
Balaghat	Hybrid Paddy and its introduction in irrigated area.
Balaghat	Need to develop orchards and cultivation of vegetables.
Balaghat	Need to create awareness about IPM in paddy & gram
Balaghat	Need to create awareness about seed replacement
Balaghat	Need to create awareness about newly released high yielding varieties
Balaghat	Integrated Nutrient management in paddy, wheat and Chick pea.

KVK Name	THRUST AREA
Balaghat	Need to create awareness about Medicinal crops.
Balaghat	Crop Diversification and to increase cropping intensity.
Balaghat	Need to organize vocational training on fisheries, mushroom production, sericulture, lac cultivation, prawn cultivation, etc for self employment of rural youth.
Balaghat	Drudgery reduction.
Balaghat	Processing, Value addition and marketing.
Balaghat	Animal Disease Management
Balaghat	Income generation activities.
Balaghat	Need to create awareness of nutritional management for children and women
Balaghat	Fodder management for Milch animals
Balaghat	To create awareness for Mechanization
Balaghat	To create awareness for High tech Horticulture
Balaghat	Skill development in small scale agric-entrepreneurship.

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block	
			Village	Block
Balaghat	Mono cropped area of paddy.	Field visit, Secondary data	Gadhi Chandana	Baihar,Paraswada
Balaghat	Attack of insects , diseases and weeds in paddy	Visual observation, Secondary data	Koste,	Kirnapur
Balaghat	Unawareness about fertilizer management / pest management / water management / weed management	Soil analysis and low productivity	Ukuwa	Baihar
Balaghat	Poor resource base of farm family.	Socio-economic analysis	Koste,	Kirnapur
Balaghat	Low yield of linseed and black gram due to utera system.	Kishan Gosthi and Field visit	Koste	Kirnapur
Balaghat	Lack of self employment for rural youth	Group meeting and personal contact	Bagadmara	Kirnapur
Balaghat	Low productivity of milch animals due to indigenous breed.	Animal health camp,	Badgaon, Koste	Kirnapur
Balaghat	Low productivity of vegetables / fruits.	Unavailability of high yielding	Bamhangaon	Kirnapur

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block	
			Village	Block
		variety		
Balaghat	Low awareness about plantations crop.	Farmers contact	Nakshi, Botte	Kirnapur Balaghat
Balaghat	Low yield of paddy due to unavailability of HYV	Field visit	Choundhatola	Lanji
Balaghat	Low yield of paddy due to imbalance use of fertilization	Field visit	Badgaon	Kirnapur
Balaghat	Low yield of existing scented rice	Field visit and Farmers interaction	Badgaon	Kirnapur
Balaghat	Low productivity of fish	Poor management	Badgaon, Deogaon, Sharad Seoni	Kirnapur
Balaghat	Poor availability of labour for Transplanting and weeding	Group meeting and personal contact	Whole district	Whole district
Balaghat	Malnutrition due to lack of nutritional awareness	Group meeting and personal contact	Whole district	Whole district
Balaghat	Improper management/Selection of vegetables in kitchen garden	Group meeting and personal contact	Whole district	Whole district

2. On Farm Testing (OFT)

2.1.1 Information about OFT:

Title of on-farm trial:	Assessment of Broccoli with fertigation with organic and inorganic mulching
Year/Season:	2020-21/Rabi
Farming situation:	Irrigated
Problem diagnosis:	Cultivation of low market value vegetables
Thematic area:	Horticulture
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Cultivation of low market value vegetables : Cabbage, Cauliflower

T2 –Recommended Practice-	Broccoli with fertigation with organic and inorganic mulching
T3- Recommended Practice-	
Date of sowing:	Tentative date 15-25 oct. 2020
Date of harvesting:	Tentative date 05-10 Jan. 2021
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Nutri-Rich with high vitamin – ‘C’ & ‘K’ content and high value vegetable
Name of Crop/Enterprises:	Broccoli
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmers feedback

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield kg/ha	kg				
T2(Recommended Practice)	Yield, With organic Mulch, With inorganic mulch Curd size	kg/ha g/curd				
T3(Recommended Practice)						

2.1.2 Information about OFT:

Title of on-farm trial:	Assessment of transplanted Pigeon pea variety Pusa 16 on bunds of paddy field.
Year/Season:	2020-21/ Kharif
Farming situation:	Rainfed
Problem diagnosis:	Low yield of pigeonpea on bunds due to moisture stress during maturity

Thematic area:	Crop Management
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Use of long duration pigeonpea variety like Rajiv Lochan, TJT 501
T2 –Recommended Practice-	Cultivation of transplanted Pigeon pea with Biofertiliser under pigeon pea
T3- Recommended Practice-	
Date of sowing:	Tentative date 25 Jun- 10 July 2020
Date of harvesting:	Tentative date 25 Oct.- 10 Nov. 2020
Source of technology:	IARI, New Delhi
Characteristics of technology:	Short duration variety, 120 days, yield -20 q/ ha.
Name of Crop/Enterprises:	Pigeon pea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmer feed back

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	kg/ha				
T2(Recommended Practice)	Branches/Plant Pods/Plant No. of Seed/Pod Yield, B:C ratio, Feedback Farmers reaction	No. No. No. kg/ha				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T3(Recommended Practice)						

2.1.3 Information about OFT:

Title of on-farm trial:	Assessment of direct seeded rice high yielding varieties (JR-206) under Rice – Chickpea cropping system.
Year/Season:	2020-21/ Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield of paddy due to late transplanting
Thematic area:	Varietal Evaluation
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Late transplanting
T2 –Recommended Practice-	DSR
T3- Recommended Practice-	
Date of sowing:	Tentative 05-15 july 2020
Date of harvesting:	Tentative 05-20 Oct. 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	New variety,
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Feedback, Farmers reaction

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.				
T2(Recommended Practice)	Seed saving, Time saving, Labour saving, No. of tillers Yield, B:C ratio,	tiller/ plant q/ha.				
T3(Recommended Practice)						

2.1.4 Information about OFT:

Title of on-farm trial:	Assessment of high yielding varieties (JR-206) with modified system of rice intensification under Rice – Chickpea cropping system
Year/Season:	2020-21/ Kharif
Farming situation:	Rainfed
Problem diagnosis:	Low yield of Paddy due to old varieties
Thematic area:	Crop production
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	MTU-1010
T2 –Recommended Practice-	HYV–JR206 with Modified SRI
T3- Recommended Practice-	
Date of sowing:	Tentative 05-20 july 2020
Date of harvesting:	Tentative 10-20 Nov. 2020

Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Short structure, duration (120-125 days) lodging preventive, More number of grain per penicle
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmers Feedback

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.				
T2(Recommended Practice)	Plant Height No of tiller, Yield	(cm), Per plant q/ha.				
T3(Recommended Practice)						

2.1.5 Information about OFT:

Title of on-farm trial:	Assessment of Scented Rice variety Improved Chinnour with green manuring and Bio agent under Rice-Chickpea cropping system.
Year/Season:	2020-21/ Kharif
Farming situation:	Irrigation
Problem diagnosis:	Low yield of scented var. due to unavailability of quality seed
Thematic area:	Crop Production
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Cultivation of scented rice with old own seed (Rice-Fallow)

T2 –Recommended Practice-	Green manuring + Use of Scented Rice variety Improved Chinnour with Pseudomonas + PSB + Trichoderma (5 kg/ha)
T3- Recommended Practice-	
Date of sowing:	Tentative 05-15 July 2020
Date of harvesting:	Tentative 10-25 Dec. 2020
Source of technology:	JNKVV 2018
Characteristics of technology:	Improved Chinnor Maturity- 155-160 days, Highly heavy scented, low gluten content, ASG – Aromatic Short Grain, Resistant to Gall Midge, High zinc and Iron content may be used for Biofortification, Kheer, quality Rice, Future for export, medium cylindrical grain. Green manuring of Dhaincha + Trichoderma + Pseudomonas (5 kg/ha)
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmers feedback

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	kg/ha.				
T2(Recommended Practice)	Plant Height	(cm),				
	No of tiller/plant,	No.				
	Yield	kg/ha				
T3(Recommended Practice)						

2.1.6 Information about OFT:

Title of on-farm trial:	Assessment of improved var. of Kodo JK 439/JK48 Kharif – fallow cropping system
Year/Season:	2020-21/ Kharif
Farming situation:	Rain fed
Problem diagnosis:	Low yield due to use of local seed material
Thematic area:	Varietal evaluation
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Local farmers seed (Kodo-fallow)
T2 –Recommended Practice-	High yielding improved variety JK 439/ JK 48
T3- Recommended Practice-	
Date of sowing:	Tentative 05-15 July 2020
Date of harvesting:	Tentative 10-25 Oct. 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Short duration, Rainfed, High yielding
Name of Crop/Enterprises:	Kodo
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmers Feedback

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.,				
T2(Recommended	No. of tillers,	Per plant				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Practice)	Yield q/ha.,	q/ha.,				
T3(Recommended Practice)						

2.1.7 Information about OFT:

Title of on-farm trial:	Assessment of rice Biofortified variety CR Dhan -310
Year/Season:	2020-21/ Kharif
Farming situation:	Irrigation
Problem diagnosis:	Use of desi variety and low yield
Thematic area:	Varietal evaluation
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	MTU 1010
T2 –Recommended Practice-	Biofortified variety CR Dhan -310
T3- Recommended Practice-	
Date of sowing:	Tentative 05-20 July 2020
Date of harvesting:	Tentative 10-20 Nov. 2020
Source of technology:	NRRI, Cuttack
Characteristics of technology:	High Protein (10-13%), Zice Content high, Duration 120-130 days
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmers feedback

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.				
T2(Recommended Practice)	Plant Height No of tiller, Yield	(cm), Per plant q/ha.				
T3(Recommended Practice)						

2.1.8 Information about OFT:

Title of on-farm trial:	Assessment of Chickpea RVG-202 under rice (Improved Chinnor)
Year/Season:	2020-21/ Rabi
Farming situation:	Semi Irrigation
Problem diagnosis:	Low yield Old variety JG 315 and Ujjain 21
Thematic area:	Varietal evaluation
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Old variety JG 315 and Ujjain 21
T2 –Recommended Practice-	RVG 202
T3- Recommended Practice-	
Date of sowing:	Tentative 10-20 Nov. 2020
Date of harvesting:	Tentative 01-05 Mar. 2021
Source of technology:	RVSKVV, Gwalior
Characteristics of technology:	Duration 100-105 days, yield 18-20 qt./ha, large seeded and resistance to fusarium wilt, MR to dry root rot and color rot

Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmers Feedback

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.				
T2(Recommended Practice)	Plant Height No of Pod, Yield	(cm), Per plant q/ha.				
T3(Recommended Practice)						

2.1.9 Information about OFT:

Title of on-farm trial:	Assessment of bio decomposer on decomposition of Rice crop residues
Year/Season:	2020-21/ whole year
Farming situation:	Rainfed
Problem diagnosis:	No use of bio decomposer and create pollution through burn of crop residue.
Thematic area:	Crop Residue management
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Farmers Practices (Decomposition of crop residue in open hip)
T2 –Recommended Practice-	Decomposition of crop residue through bacterial base decomposer @ 500ml for one ton raw material

T3- Recommended Practice-	T ₂ + Bio decomposer @ 500 ml Bio decomposer (<i>Bacterial base</i>) and 500 ml Bio decomposer (<i>Fungal base</i>).
Date of sowing:	Whole year
Date of harvesting:	
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Mix 500 ml Bio decomposer (<i>Bacterial base</i>) and 500 ml Bio decomposer (<i>Fungal base</i>) for 1 tons of raw material along with sufficient moisture. After 8-10 days turn the organic raw material of the heap and again spray this solution on the heap and mix it thoroughly then after don't disturb of hip up to 45 to 60 days.
Name of Crop/Enterprises:	Paddy residue
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmer feedback

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)	Number of days are required for decomposition , Nutrient content N, P, K (%) in decomposed matter	Days %				
T3(Recommended Practice)						

2.1.10 Information about OFT:

Title of on-farm trial:	Assessment of various types of green fodder hybrid Napier crop for milch animals
Year/Season:	2020-21/ Whole year
Farming situation:	Irrigated

Problem diagnosis:	Round the year unavailability of green fodder
Thematic area:	Animal Feed/Fodder Management
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Use of paddy straw
T2 –Recommended Practice-	Napier Grass/CO-4 green fodder
T3- Recommended Practice-	
Date of sowing:	Whole Year
Date of harvesting:	
Source of technology:	TNAU Coimbatore
Characteristics of technology:	Higher bio mass, highly palatable, drought resistant
Name of Crop/Enterprises:	Green Fodder
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmer feed back

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk production/Animal/day	lt.				
T2(Recommended Practice)	Milk production/Animal/day B:C ratio Change in body weight	lt. kg/animal				
T3(Recommended Practice)						

2.1.11 Information about OFT:

Title of on-farm trial:	Assessment of Azolla as feed for backyard poultry birds
Year/Season:	2020-21/ Whole year
Farming situation:	Rain fed
Problem diagnosis:	No available feed whole year
Thematic area:	Poultry Production and management
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Rice husk
T2 –Recommended Practice-	Azolla 50 gram/chicks
T3- Recommended Practice-	
Date of sowing:	Whole year
Date of harvesting:	
Source of technology:	NDVU, Jabalpur
Characteristics of technology:	Higher crude protein, higher fiber
Name of Crop/Enterprises:	Azolla
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmer feed back

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended	Body weight at 6	kg/Bird				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Practice)	month Eggs/chick/annum	No./Bird				
T3(Recommended Practice)						

2.1.12 Information about OFT:

Title of on-farm trial:	Assessment of utera crops under rice- fallow cropping system in Balaghat
Year/Season:	2020-21/ Rabi crop
Farming situation:	Rainfed
Problem diagnosis:	No crop in Rabi
Thematic area:	Varietal evolution
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Rice-fallow
T2 –Recommended Practice-	Rice-lathyrus
T3- Recommended Practice-	Rice-blackgram
T4- Recommended Practice-	Rice-linseed
T5- Recommended Practice-	Rice-horsegram
Date of sowing:	Tentative 10-25 Oct. 2020
Date of harvesting:	Tentative 10-25 Feb. 2021
Source of technology:	OUAT, Bhubneshwar
Characteristics of technology:	Sowing of seed in matured standing crop
Name of Crop/Enterprises:	Utera crops
Recommendations for Farmers	

Recommendations for Deptt. Personnel	
Feedback	Farmer feed back

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Rice Yield,	kg/ha				
T2(Recommended Practice)	System Yield, B:C ratio	kg/ha				
T3(Recommended Practice)						

2.1.13 Information about OFT:

Title of on-farm trial:	Assessment of wheat as utera crop under rice- fallow cropping system in Balaghat
Year/Season:	2020-21/ Rabi crop
Farming situation:	Irrigated
Problem diagnosis:	No crop in Rabi
Thematic area:	Varietal evolution
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Rice-fallow
T2 –Recommended Practice-	Rice-wheat
Date of sowing:	Tentative 10-25 Oct. 2020
Date of harvesting:	Tentative 10-25 Feb. 2021
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Sowing of seed in matured standing crop

Name of Crop/Enterprises:	Wheat as Utera crops
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmer feed back

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Rice Yield,	kg/ha				
T2(Recommended Practice)	System Yield, B:C ratio,	kg/ha				
T3(Recommended Practice)						

2.1.14 Information about OFT:

Title of on-farm trial:	Assessment of introduce new crop Quinoa under limited irrigated condition (Paddy-Quinoa cropping System)
Year/Season:	2020-21/ Rabi
Farming situation:	Semi irrigated
Problem diagnosis:	Higher requirement of water in paddy crop
Thematic area:	Resource conservation Technology
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	Introduce new crop Quinoa

T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Average yield of grain – 3.5 tonnes/ha., Raw, uncooked quinoa is 13% water, 64% carbohydrates, 14% protein, and 6% fat. Nutritional evaluations indicate that a 100 g serving of raw quinoa seeds is a rich source
Name of Crop/Enterprises:	Quinoa
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmer Feed back

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.				
T2(Recommended Practice)	Yield	q/ha.				
T3(Recommended Practice)						

2.1.15 Information about OFT:

Title of on-farm trial:	Assessment of Wheat RVW 4106/ MP 3382 under Rice-Wheat cropping system
Year/Season:	2020-21/ Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of Wheat due to rapid increase in temperature during February
Thematic area:	Varietal evaluation
No of trials:	01

No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Old variety (HI 1544)
T2 –Recommended Practice-	RVW 4106/ MP 3382
T3- Recommended Practice-	
Date of sowing:	Tentative 20-25 Nov.2020
Date of harvesting:	Tentative 05-15 April.2021
Source of technology:	RVSKVV, Gwalior
Characteristics of technology:	RVW 4106 - matures in 105-110 days. Resistant to black and brown rust disease. Average yield is 5035 kg/ha. Recommended for late sown irrigated conditions of M.P. MP 3382 – Maturity 120 days, yield 59 qt./ha, bold seeded, multi resistance and heat tolerant, rich in iron, zinc and protein, suitable for chapatti making
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmer feedback

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.				
T2(Recommended Practice)	Yield Tiller	q/ha. Per plant				
T3(Recommended Practice)						

2.1.16 Information about OFT:

Title of on-farm trial:	Introduction of Kulthi in new area of production
Year/Season:	2020-21/ Kharif
Farming situation:	Rain fed
Problem diagnosis:	Malnutrition of Balaghat
Thematic area:	Crop diversified
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	Introduction of Kulthi (Indra Kulthi) in new area
T3- Recommended Practice-	
Date of sowing:	Tentative 10-15 Aug.2020
Date of harvesting:	Tentative 25-30 Nov. 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Indra Kulthi, 10 qt. of grain/ha, Duration 90-105 days, Drought Resistant crop, Dry Climate condition
Name of Crop/Enterprises:	Kulthi (Indra Kulthi)
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmers Feedback

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.				
T2(Recommended	Yield	q/ha.				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Practice)						
T3(Recommended Practice)						

2.1.17 Information about OFT:

Title of on-farm trial:	Assessment of Leaf Color Chart (LCC) for management of nitrogen in rice under irrigation condition
Year/Season:	2020-21 / Kharif
Farming situation:	Irrigation
Problem diagnosis:	Nitrogen loss results in low yield of rice due to traditional application method of Nitrogenous fertilizers
Thematic area:	Crop Production
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Nitrogen application @ 50 kg/ha as basal and at 35-40 DAT
T2 –Recommended Practice-	Use of N @ 40 kg/ha as basal and 40 kg at pre-flowering stage
T3- Recommended Practice-	Use of 20 kg N as basal and based on leaf colour chart (LCC) observation at weekly reading
Date of sowing:	Tentative 20-25 August 2020
Date of harvesting:	
Source of technology:	OUAT
Characteristics of technology:	Saving and optimum use of nitrogen
Name of Crop/Enterprises:	Leaf Color Chart (LCC)
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmer feedback

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.				
T2(Recommended Practice)	Yield	q./ha				
T3(Recommended Practice)						

2.1.18 Information about OFT:

Title of on-farm trial:	Assessment of Mango + Drumstick (spineless cactus) based intercropping system under Drip irrigation system
Year/Season:	2020-21/ Whole year
Farming situation:	Waste land
Problem diagnosis:	Balaghat
Thematic area:	Balaghat
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Sole cropping of pigeonpea/kodo/kutki
T2 –Recommended Practice-	Transplanting of Mango (Amrapali- 5x5m), Papaya (Red Lady 2x2m) Drumstick (JKM 1 2x2m) in limited irrigation system + field crops (pigeonpea /kodo kutki)
T3- Recommended Practice-	
Date of sowing:	Tentative 10 Jun 2020
Date of harvesting:	
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Drumstick PKM -01
Name of Crop/Enterprises:	Intercropping

Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Survival, Yield,	% q/ha				
T2(Recommended Practice)	Survival, Yield,	% q/ha				
T3(Recommended Practice)						

2.1 .19 Information about OFT:

Title of on-farm trial:	Assessment of Makkhana in paddy sub merged field
Year/Season:	2020-21/ Whole year
Farming situation:	Irrigated
Problem diagnosis:	Low income from present production system in water pond
Thematic area:	HOF
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Rabi paddy
T2 –Recommended Practice-	Makkhana
T3- Recommended Practice-	

Date of sowing:	Tentative 10-20 July 2020
Date of harvesting:	
Source of technology:	NRC, Makhana, Bhagalpur
Characteristics of technology:	
Name of Crop/Enterprises:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmers

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield,	q/ha				
T2(Recommended Practice)	Yield,	q/ha				
T3(Recommended Practice)						

2.1.20 Information about OFT:

Title of on-farm trial:	Assessment of Cashew nut plantation for waste land (Class-III & IV)
Year/Season:	2020-21/ Whole year
Farming situation:	waste land
Problem diagnosis:	No use of wasted land
Thematic area:	Horticulture
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	

T1 – Farmers Practice-	
T2 –Recommended Practice-	Kaju
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	Directorate of Cashew nut and cocoa Development, Kochi
Characteristics of technology:	Vengurala 4, Vengurala 7, Year 8-10
Name of Crop/Enterprises:	Cashew nut
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmer feedback

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.				
T2(Recommended Practice)	Yield	q/ha.				
T3(Recommended Practice)						

2.1.21 Information about Extension OFT:

Title	Assessment of Whatsapp for adoption of improved cultivation techniques
Season & Year	2020-21/ Kharif and Rabi
Problem identified	Delayed and lack of visual based technical information
Thematic Area	ICT
Farming situation	Rainfed & Irrigated
Name of Technology under study	Dissemination of information technology through WhatsApp Messages
No of trials:	1
No. of farmers involved	50

Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	No use of social media for upgrade of knowledge about improved cultivation technique
T2 –Recommended Practice-	Dissemination of information technology through WhatsApp Messages
T3- Recommended Practice-	-
Date of sowing:	NA
Date of harvesting:	NA
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Dissemination of information technology through WhatsApp Message twice in a week
Name of Crop/Enterprises:	Field crops
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Results / findings

Performance indicators/ parameters	Unit/ details
Level of Knowledge	Low medium High
Level of Adoption	Low medium High
Increase in Income	Per farmers

2.1.22 Information about Extension OFT:

Title	Assessment of knowledge & adoption of soil health card based fertilizer application
Season & Year	2020-21/ Kharif and Rabi
Problem identified	Poor knowledge about SHC recommendations
Thematic Area	Capacity building & Dynamics
Farming situation	Rainfed & Irrigated
Name of Technology under study	Assessment of knowledge, adoption & Income level of farmers
No of trials:	1
No. of farmers involved	50
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Use of fertilizer application without soil testing.

T2 –Recommended Practice-	Use of fertilizer application with soil testing.
T3- Recommended Practice-	-
Date of sowing:	NA
Date of harvesting:	NA
Source of technology:	JNKVV
Characteristics of technology:	Assessment of knowledge, adoption and Income level of farmers
Name of Crop/Enterprises:	Field crops
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Results / findings

Performance indicators/ parameters	Unit/ details
Level of Knowledge	Low medium High
Level of Adoption	Low medium High
Attitude towards SHC	Favourable, Highly favourable, Un favourable
Increase in Income	Per farmers

2.1.23 Information about Extension OFT:

Title	Assessment of Seed Society/FPO Performance in Balaghat
Season & Year	2020-21/ Kharif and Rabi
Problem identified	Lack of awareness about FPOs to reduce dependency on Govt.
Thematic Area	Group approach
Farming situation	Rainfed & Irrigated
Name of Technology under study	Assessment of Seed Society/FPO Performance
No of trials:	1
No. of farmers involved/ No.of FPO's	3
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Farmers not getting proper rate of farm produce
T2 –Recommended Practice-	Seed sale through FPO's
T3- Recommended Practice-	-

Date of sowing:	NA
Date of harvesting:	NA
Source of technology:	JNKVV
Characteristics of technology:	Assessment of Seed Society/FPO Performance
Name of Crop/Enterprises:	Seed Society/FPO's
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Results / findings

Performance indicators/ parameters	Unit/ details
Level of Knowledge	Low, medium, High
Income per farmer	Per ha.

2.1.24 Information about Extension OFT:

Title	Assessment of effectiveness of KMA for Management of Brown Plant Hopper and stem Borer in Rice
Season & Year	2020-21/ Kharif and Rabi
Problem identified	Non availability of technical know ledge in critical time
Thematic Area	ICT
Farming situation	Rainfed & Irrigated
Name of Technology under study	Dissemination of information technology through KMA
No of trials:	1
No. of farmers involved/ No.of FPO's	50
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	No use of social media for upgrade of knowledge about improved cultivation technique
T2 –Recommended Practice-	Dissemination of information technology through KMA
T3- Recommended Practice-	-
Date of sowing:	NA
Date of harvesting:	NA
Source of technology:	JNKVV

Characteristics of technology:	Dissemination of information technology through KMA
Name of Crop/Enterprises:	KMA
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Results / findings

Performance indicators/ parameters	Unit/ details
Level of Knowledge	Low medium High
Level of Adoption	Low medium High
Increase in Income	Per farmers

2.1.25 Information about Home Science OFT:

Title of on-farm trial:	Assessment of Rice power weeder for drudgery reduction
Year/Season:	2020-21/ Kharif
Problem diagnosis:	Manual weeding/drudgery load on farm women
Thematic area:	Home science
No of trials:	05
No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Manual weeding
T2 –Recommended Practice-	Drudgery reduction by using power weeder
Source of technology:	CIAE
Characteristics of technology:	Power weeder
Name of Crop/Enterprises:	Paddy
Farming situation:	Rainfed
Date of sowing:	25 June-15 July

Date of harvesting:	-
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)	Raw milk selling					
T ₂ (Recommended Practices)	Milk Processed products					
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

2.1.26 Information about Home Science OFT:

Title of on-farm trial:	Assessment of drumstick leaves powder in mid-day meal and Anganwadi children
Year/Season:	2020-21/ Whole year
Problem diagnosis:	Under nutrition in children, low BMR
Thematic area:	Home science
No of trials:	05
No. of farmers/farm women involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	No use of drumstick leaves powder
T2 –Recommended Practice-	Drumstick leaves powder fortified products

Source of technology:	Institute of Forest Productivity, Ranchi
Characteristics of technology:	Processing of Drumstick leaves powder (DLP) in different products
Name of Crop/Enterprises:	Drumstick
Farming situation:	Rainfed
Date of sowing:	15 June-25 June
Date of harvesting:	-
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmers feedback

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)	No use of Drumstick powder					
T ₂ (Recommended Practices)	Drumstick powder fortified products					
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

2.1.27 Information about Home Science OFT:

Title of on-farm trial:	Assessment of nutritional garden for nutritional security in Anganwadi of Nutrismart village
Year/Season:	2020-21/ whole year
Problem diagnosis:	Malnutrition and underweight of kids
Thematic area:	Home science
No of trials:	05

No. of farmers/farm women involved	03
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Anganwadi not growing vegetables in kitchen garden
T2 –Recommended Practice-	Backyard place can be utilized for growing of different vegetables
Source of technology:	CFTRI
Characteristics of technology:	Nutri rich vegetables
Name of Crop/Enterprises:	Kitchen Garden
Farming situation:	Irrigated / Rainfed
Date of sowing:	25 June- 15 July
Date of harvesting:	-
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Farmers feedback

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)	Backyard Kitchen Garden								
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
2020-21	Kharif	CP	Demonstration of Hybrid seed production of Rice	Cereals	Paddy	JRH 19	Irrigated		2								
2020-21	Kharif	CP	Demonstration of Hybrid – JRH- 19 of Rice	Cereals	Paddy	JRH 19	Irrigated		2								
2020-21	Kharif	CP	Demonstration of Baeveria basiana to control of Stem Borer in Rice	Cereals	Paddy		Irrigated		2								
2020-21	Kharif	Horti.	Demonstration of water chestnut in submerge paddy field	Fruit	chestnut		semi-irrigated		2								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	R P (T ₂)		S C	S T	Others	General	Total
2020-21	Kharif	CP	Demonstration of Drumstick on bunds paddy field		Drumstick	PKM 1	semi-irrigated		2								
2020-21	Kharif & Rabi	IPM	Demonstration of IPM in pigeon pea	Pulses			semi-irrigated		2								
2020-21	Kharif & Rabi	CP	Demonstration of HYV – TJT 501 variety of pigeon pea with SPI	Pulses	pigeon pea	TJT 501	Irrigated		2								
2020-21	Whole Year	CP	Demonstration of table pea variety PSM-10	Pulses	table pea	PSM-10	irrigated		2								
2020-21	Whole Year	Food Science	Performance of Nutritional Kitchen gardening at Nutrismart village	Kitchen garden			irrigated		1								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	R P (T ₂)		S C	S T	Others	General	Total
2020-21	Whole Year	Soil Sci.	Demonstration of Vermiculture for rural youth	Bio fertilizer			semi-irrigated		10 no.								
2020-21	Whole Year	Horti.	Demonstration of High yielding Turmeric variety Palam Pitambara with in trapping pigeon pea	Vegetables	Turmeric	Palam Pitambara	irrigated		2								
2020-21	Rabi	Animal	Demonstration of Berseem to stall feeding for livestock's	Fodder		Berseem	Irrigated		2								
2020-21	Rabi	CP	Demonstration of HYV-DRMR 150-35 variety of Mustard	Oilseed	Mustard	DRMR-150	Irrigated		2								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	R P (T ₂)		S C	S T	Others	General	Total
2020-21	Rabi	CP	Demonstration of HYV JW 3288 variety of Wheat	Cereals	Wheat	JW3288	Irrigated		2								
2020-21	Round the year	Animal	Demonstration of Azolla as feed for mulch animals	Animal		Azolla	Irrigated		2								
2020-21	Kharif		Demonstration of pseudomonas for control of leaf blight in paddy	Cereals			Irrigated		2								
2020-21	Kharif	IPM	Demonstration IPM module for control of fruit & shoot borer in brinjal	Vegetables			Irrigated		2								
2020-21	Rabi	DSR	Demonstration Zero till seed drill for chickpea	Cereals			Irrigated		2								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	R P (T ₂)		S C	S T	Others	General	Total
			sowing in Rice-chickpea cropping system														
2020-21	Whole Year	Animal	Demonstration of Kadaknath in backyard for income generation	Poultry			Irrigated										
2020-21	Kharif	Horti.	Demonstration of marigold on paddy field bunds for income generation	Flowers			Irrigated		2								
2020-21	Whole Year	Food sci.	Demonstration of drumstick powder cookies in Anganwadi	Food sci.			Irrigated		10 no.								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
2020-21	Kharif	Horti.	Demonstration of Arka Rakshak triple resistant variety of Tomato	Vegetables			Irrigated		2								
2020-21	Whole Year	Horti.	Demonstration of Oyster Mushroom	Mushroom			-		10								

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of Hybrid seed production of Rice	Paddy	Yield q/ha. No. of Tiller/ plant										
Demonstration of Hybrid – JRH-19 of Rice	Paddy	Yield q/ha. No. of Tiller/ plant										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of Baeveria basiana to control of Stem Borer in Rice	Paddy	Yield q/ha. No. of Tiller/ plant										
Demonstration of water chestnut in submerge paddy field	Hort.	Yield q/ha.										
Demonstration of Drumstick on bunds paddy field	Hort.	Yield q/ha.										
Demonstration of IPM in pigeon pea	Pigeon pea	Yield q/ha.										
Demonstration of HYV –TGT 501 variety of pigeon pea with SPI	Pigeon pea	Yield q/ha.										
Demonstration of table pea variety PSM-10	table pea	Yield q/ha. Pod/ plant										
Performance of Nutritional Kitchen gardening at Nutrismart village	Kitchen gardening											

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of Vermi-Culture for rural youth	Vermi-Culture	Quantity kg / bag										
Demonstration of High yielding Turmeric variety Palam Pitambar with in trapping pigeon pea	Turmeric	Yield q/ha.										
Demonstration of Berseem/ Lucern to stall feeding for livestock's	Berseem/ Lucern	Yield q/ha.										
Demonstration of HYV-DRMR 150-35 variety of Mustard	Mustard	Yield q/ha.										
Demonstration of HYV MP 3382 variety of Wheat	Wheat	Yield q/ha.										
Demonstration of Azolla as feed for mulch animals	Azolla											
Demonstration of pseudomonas for control of leaf blight in paddy	paddy	Yield q/ha.										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration IPM module for control of fruit & shoot borer in brinjal	IPM	Yield q/ha.										
Demonstration Zero till seed drill for chickpea sowing in Rice-chickpea cropping system	Rice	Yield q/ha.										
Demonstration of Kadaknath in backyard for income generation	Kadaknath	Weight / bird										
Demonstration of marigold on paddy field bunds for income generation	Marigold	Rs/ha.										
Demonstration of drumstick powder cookies in Anganwadi	drumstick											

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of Arka Rakshak triple resistant variety of Tomato	Tomato	Yield q/ha.										

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrepreneur - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.9 Information about Home Science FLDs - (For All Thematic Area)

year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter		Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product	Per capita Consumption gm/ day	Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
			T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Balaghat	Rice, Chickpea	Field days	15		
Balaghat	Rice, Chickpea, Wheat, Mustard, Kodo, Moong	Farmers Training	20		
Balaghat	Rice, Chickpea, Wheat, Mustard	Media coverage	10		
Balaghat	Rice, Chickpea, Wheat, Mustard	Training for extension functionaries	10		

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	Balaghat	Paddy	JRH 19	JNKVV, Jabalpur	5	2
2	Balaghat	Tomato	ArkaRakhsak	IIHR, Bangalore	1	1

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Balaghat	Farmer	Direct contact,		

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Balaghat	Weed management in Utera system
Balaghat	Effective management of Cascuta in Utera black gram
Balaghat	Effective control of sucking pest in organic farming

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants to be involved
Balaghat	In-service Training	Kisan Sangosthi, Farmers response during trg., Extension personnel's feedback SAC suggestions ATMA Interface, AMC meeting	18/11/2020 KVK, Badgaon	90
Balaghat	Vocational Training	Kisan Sangosthi, Farmers response during trg., Extension personnel's feedback SAC suggestions ATMA Interface, AMC meeting	14/12/2020	350
Balaghat	On / Off campus Training	Kisan Sangosthi, Farmers response during trg., Extension personnel's feedback SAC suggestions ATMA Interface, AMC meeting	21/08/2020, 19/09/2020, 13/10/2020, 21/11/2020, 25/12/2020	200

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Balaghat				

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW	ONC	Crop Production	Seed production	Training of Hybrid seed production	2	2								
FW	ONC	Crop Production	Nursery management	Training of Paddy cultivation	1	1								
FW	ONC	Crop Production	Cropping Systems	Training on cereals crops storage	1	1								
FW	OFC	Crop Production	Crop Diversification	Training on seed production F/ONC	1	1								

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW	OFC	Crop Production	Integrated Farming	Integrated Crop Production techniques Kharif Crops	1	1								
FW	OFC	Crop Production	Micro irrigation/irrigation	Safe Storage of food technique to reduce the losses	1	1								
FW	OFC	Crop Production	Seed production	Production technology of oil seed and pulses for Rabi crops	1	1								
FW	OFC	Crop Production	Seed production	Scientific Production technology of Wheat	1	1								
FW	OFC	Crop Production	Integrated Crop Management	Irrigation Management in Wheat	1	2								
F	ONC	Crop Production		Productivity enhancement in field crops	1	2								
FW	ONC	Crop Production	Integrated nutrient Management	Seed Treatment in paddy	1	2								
F/FW	ONC	Crop Production		Scientific Production technology of Kulthi crop	1	2								
F/FW	OFC	Crop Production	Resource Conservation Technologies	Integrated Farming of different crops	1	2								
F/FW	OFC	Crop Production	Integrated Crop Management	Scientific production technology of Pigeon pea.	1	2								
F/FW	OFC	Crop Production		Integrated production technique of wheat	1	2								
RY	OFC	Crop Production	Crop Diversification	Crop Diversification to minimize climate risk	1	2								
F/FW	ONC	Crop Production	Production of organic inputs	Productivity enhancement in field crops	1	2								
F/FW	OFC	Crop Production	Integrated Crop Management	Scientific Production technology of Mustard crop	1	2								

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F/FW	ONC	Crop Production	Integrated Crop Management	Scientific Production technology of Kodo crop	1	2								
F/FW	OFC	Crop Production	Integrated Crop Management	Integrated Crop Production technology of Rabi Crops	1	2								
F/FW	OFC	Crop Production	Weed Management	Weed management in Rabi Crops	1	2								
F/FW	OFC	Crop Production	Soil & water conservation	Soil testing and water conservation	1	2								
FW	OFC	Horticulture (Vegetable Crops)	Off season vegetables	Training on Broccalli with fertigation and mulching.	1	1								
FW	OFC	Horticulture (Vegetable Crops)	Nursery raising	TRAINING On intercropping system under Drip irrigation	1	1								
FW	ONC	Horticulture (Vegetable Crops)	Exotic vegetables	Training on makhana in paddy sub merged field	1	1								
FW	OFC	Horticulture (Vegetable Crops)	Export potential vegetables	Training on cashewnut plantation for waste land	1	1								
FW	ONC	Horticulture (Vegetable Crops)	Grading and standardization	Training on water chestnut in submerged paddy field	1	1								
FW	OFC	Horticulture (Vegetable Crops)	Protective cultivation	Training on Drumstick on bunds paddy field	1	1								
FW	OFC	Horticulture (Vegetable Crops)	Others(Pl. Specify)	Cultivation of high yielding variety of turmeric (palam pitambar) with in intercropping pigeonpea	1	1								

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW	OFC	Horticulture (Fruits)	Training and Pruning	Training IPM module for control of shoot and fruit borer in brinjal crop	1	1								
FW	OFC	Horticulture (Fruits)	Layout and Management of Orchards	Training on arka Rakshak Triple resistant variety of tomato	1	1								
FW	OFC	Horticulture (Fruits)	Cultivation of Fruit	Training and Pruning in hort. Crops	1	1								
FW	ONC	Horticulture (Fruits)	Management of young plants/orchards	Nursery management of vegetable crops .	1	1								
FW	ONC	Horticulture (Fruits)	Rejuvenation of old orchards	Nursery management of fruits crops .	1	1								
		Horticulture (Fruits)	Export potential fruits											
		Horticulture (Fruits)	Micro irrigation systems of orchards											
		Horticulture (Fruits)	Plant propagation techniques											
		Horticulture (Fruits)	Others (Pl. Specify)											
		Horticulture (Ornamental Plants)	Nursery Management											
		Horticulture (Ornamental Plants)	Management of potted plants											
		Horticulture (Ornamental Plants)	Export potential of ornamental plants											

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Horticulture (Ornamental Plants)	Propagation techniques of Ornamental Plants											
		Horticulture (Ornamental Plants)	Others (Pl. Specify)											
		Horticulture (Plantation crops)	Production and Management technology											
		Horticulture (Plantation crops)	Processing and value addition											
		Horticulture (Plantation crops)	Others (Pl. Specify)											
		Horticulture (Tuber crops)	Production and Management technology											
		Horticulture (Tuber crops)	Processing and value addition											
		Horticulture (Tuber crops)	Others (Pl. Specify)											
		Horticulture (Spices)	Production and Management technology											
		Horticulture (Spices)	Processing and value addition											

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Horticulture (Spices)	Others (Pl. Specify)											
		Horticulture (Medicinal and Aromatic Plants)	Nursery management											
		Horticulture (Medicinal and Aromatic Plants)	Production and management technology											
		Horticulture (Medicinal and Aromatic Plants)	Post harvest technology and value addition											
		Horticulture (Medicinal and Aromatic Plants)	Others (Pl. Specify)											
		Soil Health and Fertility Management	Soil fertility management											
		Soil Health and Fertility Management	Integrated water management											

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		nt												
		Soil Health and Fertility Management	Integrated Nutrient Management											
		Soil Health and Fertility Management	Production and use of organic inputs											
		Soil Health and Fertility Management	Management of Problematic soils											
		Soil Health and Fertility Management	Micro nutrient deficiency in crops											
		Soil Health and Fertility Management	Nutrient Use Efficiency											
		Soil Health and Fertility Management	Balance Use of fertilizer											
		Soil Health and Fertility Management	Soil & water testing											

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Soil Health and Fertility Management	Organic Farming											
		Soil Health and Fertility Management	Others (Pl. Specify)											
		Livestock Production and Management	Dairy Management											
		Livestock Production and Management	Poultry Management											
		Livestock Production and Management	Piggery Management											
		Livestock Production and Management	Rabbit Management											
		Livestock	Animal Nutrition											

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Production and Management	Management											
		Livestock Production and Management	Disease Management											
		Livestock Production and Management	Feed & fodder technologies											
		Livestock Production and Management	Production of quality animal products											
		Livestock Production and Management	Others (Pl. Specify)											
FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Training on importance of milk processing income generation.	1	1								

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW	OFC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Importance of kitchen gardening for household food security	1	1								
FW	OFC	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Awareness regarding hygiene and personal health in farm women	1	1								
FW	OFC	Home Science/Women empowerment	Minimization of nutrient loss in processing	Training of value addition in drumstick leaves powder by various recipe	1	1								
FW	OFC	Home Science/Women empowerment	Processing & cooking	Training on importance of Nutritious diet for pregnant and lactating mothers	1	1								
FW	OFC	Home Science/Women empowerment	Gender mainstreaming through SHGs	Women empowerment: Low cost nutritious recipes for preschool children	1	1								
FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques	Nutritional awareness to women farmers and adolescent girls.	1	1								

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		ent												
FW	OFC	Home Science/Women empowerment	Value addition	Preparation of different types of pickles using locally available fruits and vegetables	1	1								
FW	OFC	Home Science/Women empowerment	Women empowerment	Preparation of jam, jelly, catch up from fruits and vegetables	1	1								
FW	OFC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Preparation of Protein and energy rich chikki, laddu and cookies	1	1								
FW	OFC	Home Science/Women empowerment	Rural Crafts	Training on importance of Kadaknath in nutrient management .	1	1								
		Home Science/Women empowerment	Women and child care											
		Home Science/Women	Others (Pl. Specify)											

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		empowerment												
		Agril. Engineering	Farm machinery & its maintenance											
		Agril. Engineering	Installation and maintenance of micro irrigation systems											
		Agril. Engineering	Use of Plastics in farming practices											
		Agril. Engineering	Production of small tools and implements											
		Agril. Engineering	Repair and maintenance of farm machinery and implements											
		Agril. Engineering	Small scale processing and value addition											
		Agril. Engineering	Post Harvest Technology											
		Agril. Engineering	Others (Pl. Specify)											
		Plant Protection	Integrated Pest Management											
		Plant Protection	Integrated Disease Management											
		Plant Protection	Biocontrol of pests and diseases											
		Plant Protection	Production of bio control agents and bio pesticides											

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Plant Protection	Others (Pl. Specify)											
		Fisheries	Integrated fish farming											
		Fisheries	Carp breeding and hatchery management											
		Fisheries	Carp fry and fingerling rearing											
		Fisheries	Composite fish culture											
		Fisheries	Hatchery management and culture of freshwater prawn											
		Fisheries	Breeding and culture of ornamental fishes											
		Fisheries	Portable plastic carp hatchery											
		Fisheries	Pen culture of fish and prawn											
		Fisheries	Shrimp farming											
		Fisheries	Edible oyster farming											
		Fisheries	Pearl culture											
		Fisheries	Fish processing and value addition											
		Fisheries	Others (Pl. Specify)											
		Production of Input at site	Seed Production											
		Production of Input at	Planting material production											

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		site												
		Production of Input at site	Bio0agents production											
		Production of Input at site	Bio0pesticides production											
		Production of Input at site	Bio0fertilizer production											
		Production of Input at site	Vermi0compost production											
		Production of Input at site	Organic manures production											
		Production of Input at site	Production of fry and fingerlings											
		Production of Input at site	Production of Bee0colonies and wax sheets											
		Production of Input at site	Small tools and implements											
		Production of Input at site	Production of livestock feed and fodder											
		Production	Production of Fish feed											

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		of Input at site												
		Production of Input at site	Mushroom production											
		Production of Input at site	Apiculture											
		Production of Input at site	Others (Pl. Specify)											
		Capacity Building and Group Dynamics	Leadership development											
		Capacity Building and Group Dynamics	Group dynamics											
		Capacity Building and Group Dynamics	Formation and Management of SHGs											
		Capacity Building and Group Dynamics	Mobilization of social capital											
		Capacity Building and	Entrepreneurial development of											

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Group Dynamics	farmers/youths											
		Capacity Building and Group Dynamics	WTO and IPR issues											
		Capacity Building and Group Dynamics	Others (Pl. Specify)											
		Agro forestry	Production technologies											
		Agro forestry	Nursery management											
		Agro forestry	Integrated Farming Systems											
		Agro forestry	Others (Pl. Specify)											

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY	ONC	Nursery Management of Horticulture crops	Nursery Management of Horticulture crops	1	5								
RY	ONC	Training and pruning of	ORCHAD Management	1	2								

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
		orchards	of Horticulture crops										
RY	ONC	Protected cultivation of vegetable crops	Horticulture crops	1	3								
RY	ONC	Commercial fruit production	Nursery Management of Horticulture crops	1	2								
RY	ONC	Integrated farming	Importance of integrated farming system.	1	2								
RY	ONC	Seed production	Seed production of Rice	1	2								
RY	ONC	Seed production	Storage of Cereals Crops	1	3								
RY	OFC	Seed production	Maintains of physical purity Rice	1	3								
RY	ONC	Production of organic inputs	Production of organic inputs	1	3								
RY		Planting material production											
RY	ONC	Vermi culture	Vermi-culture	2	3								
	ONC		Vermi-compost production	1	1								
RY	ONC	Mushroom Production	Mushroom production	1	1								
RY		Bee keeping											
RY		Sericulture											
RY		Repair and maintenance of farm machinery and implements											
RY	ONC	Value addition	Value addition	1	2								
RY		Small scale processing											
RY		Post Harvest Technology											

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY	ONC	Tailoring and Stitching	Tailoring and Stitching	1	60								
RY		Rural Crafts											
RY		Production of quality animal products											
RY		Dairying											
RY	ONC	Sheep and goat rearing	Goat Farming	1	3								
RY		Quail farming											
RY		Poultry production											
RY		Ornamental fisheries											
RY		Composite fish culture											
RY		Freshwater prawn culture											
RY		Shrimp farming											
RY		Pearl culture											
RY		Cold water fisheries											
RY		Fish harvest and processing technology											
RY		Fry and fingerling rearing											
RY	OFC	Others(Pl. Specify)	SHG Formation	1	1	4	0	3	0	3	0	9	6

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS	ONC	Productivity enhancement in field crops	Productivity enhancement in field crops	1	1								

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS	ONC	Integrated Pest Management	Productivity enhancement in Paddy	1	1								
IS	ONC	Integrated Nutrient management	Integrated Pest Management	1	1								
IS	ONC	Rejuvenation of old orchards	Integrated Nutrient management	1	1								
IS	ONC	Protected cultivation technology	Rejuvenation of old mango orchards	1	1								
IS	ONC	Production and use of organic inputs	Use of Drip, Ferigation and Mulch in Horticultural crops	1	3								
IS	ONC	Care and maintenance of farm machinery and implements	Production Technology of vegetable crops	1	1								
IS	ONC	Gender mainstreaming through SHGs	Production and use of organic inputs	1	1								
IS	ONC	Formation and Management of SHGs											
IS	ONC	Women and Child care	Group Dynamics and farmers organization	1	3								
IS	ONC	Low cost and nutrient efficient diet designing											
IS	ONC	Group Dynamics and farmers organization	Capacity building for ICT application	1	1								
IS	ONC	Information networking among farmers											
IS	ONC	Capacity building for ICT application											

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS	ONC	Management in farm animals											
IS	ONC	Livestock feed and fodder production	Integrated Disease Management	1	1								
IS	ONC	Household food security	Production Technology of fruit crops	1	1								
IS	ONC	Others(Pl. Specify)	Seed production technology	1	1								

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theam	Training title	Name of Crop / Enterprise	Identifi ed Thrust Area	No of Courses	Durati on of trainin g (days)	Number of Beneficiaries							
							Gen		SC		ST		Other s	
							M	F	M	F	M	F	M	F
Crop production and management	Commercial floriculture													
Crop production and management	Commercial fruit production	SHG Formation	SHG	CBD		4								
Crop production and management	Commercial vegetable production													
Crop production and management	Integrated crop management	Value addition	Value addition	HOV		6								
Crop production and management	Organic farming													
Crop production and management	Others(Pl. Specify)	Production of organic inputs	Azolla	PIS		4								

Thematic Area	Sub Theam	Training title	Name of Crop / Enterprise	Identifi ed Thrust Area	No of Courses	Durati on of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Other s	
							M	F	M	F	M	F	M	F
Post harvest technology and value addition	Value addition													
Post harvest technology and value addition	Others(Pl. Specify)													
Livestock and fisheries	Dairy farming													
Livestock and fisheries	Composite fish culture													
Livestock and fisheries	Sheep and goat rearing													
Livestock and fisheries	Piggery													
Livestock and fisheries	Poultry farming													
Livestock and fisheries	Others(Pl. Specify)													
Income generation activities	Vermi0composting	Vermi-culture	Vermicomp ost	PIS		5								
Income generation activities	Production of bio0agents, bio0pesticides,													
Income generation activities	bio0fertilizers etc.													
Income generation activities	Repair and maintenance of farm machinery & imlements													
Income generation activities	Rural Crafts													

Thematic Area	Sub Theam	Training title	Name of Crop / Enterprise	Identifi ed Thrust Area	No of Courses	Durati on of trainin g (days)	Number of Beneficiaries							
							Gen		SC		ST		Other s	
							M	F	M	F	M	F	M	F
Income generation activities	Seed production	Hybrid Seed production	Paddy	CP		5								
Income generation activities	Sericulture													
Income generation activities	Mushroom cultivation	Mushroom Production	Mushroom	PIS		5								
Income generation activities	Nursery, grafting etc.	Nursery Management of Horticulture crops	Nursery Manageme nt	HOV		5								
Income generation activities	Tailoring, stitching, embroidery, dying etc.													
Income generation activities	Agril. para0workers, para0vet training													
Income generation activities	Others(Pl. Specify)													
Agricultural Extension	Capacity building and group dynamics													
Agricultural Extension	Others(Pl. Specify)													

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund recei ved for traini ng (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
FW		Crop production and management	Increasing production and productivity of crops	Varmicopo st producer	25	1										
FW		Crop production and management	Commercial production of vegetables	Mushroom grower	25	1										
RY		Crop production and management	Production and value addition													
IS		Crop production and management	Fruit Plants													
FW		Crop production and management	Ornamental plants													
RY		Crop production and management	Spices crops													
IS		Crop production and management	Soil health and fertility management													
IS		Crop production and management	Production of Inputs at site													
RY		Crop production and management	Methods of protective cultivation													
IS		Crop production and management	Others(Pl. Specify)													
FW		Post harvest technology and value addition	Processing and value addition													
RY		Post harvest	Others(Pl. Specify)													

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund recei ved for traini ng (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
		technology and value addition														
IS		Farm machinery	Farm machinery, tools and implements													
IS		Farm machinery	Others(Pl. Specify)													
RY		Livestock and fisheries	Livestock production and management													
IS		Livestock and fisheries	Animal Nutrition Management													
FW		Livestock and fisheries	Animal Disease Management													
RY		Livestock and fisheries	Fisheries Nutrition													
IS		Livestock and fisheries	Fisheries Management													
IS		Livestock and fisheries	Others(Pl. Specify)													
RY		Home Science	Household nutritional security													
IS		Home Science	Economic empowerment of women													
FW		Home Science	Drudgery reduction of women													
RY		Home Science	Others(Pl. Specify)													

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund recei ved for traini ng (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
IS		Agricultural Extension	Capacity Building and Group Dynamics													
IS		Agricultural Extension	Others(Pl. Specify)													

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Training title	Self employed after training			Number of persons employed else where
	Type of units	Number of units	Number of persons employed	
Community Nursery for income generation	Field based activity	2		
Lac cultivation	Field based activity	3		
Seri culture	Field based activity	1		
Hybrid seed production	Field based activity	2		

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
On farm waste management	OTH	-	FW	01	02										

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
Vegetables and fruits for control of malnutrition	OTH	-	FW	01	10										
Parthenium eradication	OTH	-	FW	01	02										

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	3	
Design and development of low/minimum cost diet		
Designing and development for high nutrient efficiency diet	1	
Minimization of nutrient loss in processing		
Processing and cooking	1	
Gender mainstreaming through SHGs	1	
Storage loss minimization techniques	1	
Value addition	1	
Women empowerment	1	
Location specific drudgery reduction technologies		
Rural Crafts		
Women and child care	1	
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture		

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Crop Production	19	
Horticulture	17	
Soil Health and Fertility Management	15	
Livestock Production and Management	7	
Agril. Engineering	2	
Plant Protection	15	
Fisheries		
Production of Input at site	5	
Capacity Building and Group Dynamics	12	
Agro forestry		

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
SRI in Paddy	45	3	8	38	55	66500	96250			
Mushroom production	7	3	7	200 gram/bag	600 gram/bag	30	37			
Vermi compost	8	2	8	15 q/year	35q/year	5500	17500			
Hybrid Seed production in paddy	8	3	5	8q/ha.	18q/ha.	200000	450000			

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Seed production	10	3	8	4q/ha.	14q/ha.	18000	63000			

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic													
Animal Health Camp	5										Create awareness about vaccination and treatment of ill animals	Vaccination, Animal care and treatment	
Awareness programme	5										Create awareness about use of biofertilizers	Biofertilizers	-
Celebration of important days	5										Create awareness	Farm waste utilization	Crop session

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Diagnostic visits	20										To observe problems of the crops	As per requirement Various aspect covered	Flowering
Exhibition	2										Create awareness and Disseminate agril. Knowledge	NADEP, Vermicompost, Vermiwash, Light trap, seed germination, etc.	-
Exposure visits	10										To Create awareness and disseminate agricultural technology	-	-
Ex-trainees Sammelan	5										To observe status and progress of the trainees (follow up)	Feed back of adopted technology and KVK activities	Maturity
Farm advisory Services	40										Create awareness about agricultural	Agriculture, Horticulture, Veterinary, Weather,	

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
											technology	Market Linkege, Value addition	
Farmers visit to KVK	2000										Create awareness about SHG/ BIG's/ FIG's	Various aspect covered related to agril.	-
Field Day	15										Disseminate agril. Information, knowledge and provide relevant skill	Paddy, Chickpea , Wheat, okra, chilli. brinjal, Linseed Pangasius fish culture	Flowering, Maturity of crops and Harvesting
Group meetings	10										Receive tech. information and visit crop cafeteria	Assessment of agril. Problem and their causes	-
Kisan Ghosthi/Sammelan	10										Create awareness and Disseminate agril. Knowledge	Paddy, Pigeon pea, , Poultry, Niger, Chickpea ,	Maturity and Harvesting

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Kisan Mela	2										Create awareness about Soil Sampling, crop production technology	-	-
Krishi Mahotsav													
Lectures delivered as resource persons	12										Training to dealers of agro-chemical	Crop production technology, Soil Science, Plant breeding, Horticulture, Extension, Plant protection	-
Mahila Mandals conveners meetings	1										SHGs formation	SHGs formation	
Method Demonstrations	10										Create awareness and Disseminate agril. Knowledge	Seed treatment, Nursery management, Budding and grafting,	Before sowing/transplanting

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Pradhanmantri phasal beema yojana	1										Create awareness about Pradhanmantri phasal beema yojana	Pradhanmantri phasal beema yojana	
Scientific visit to farmers field	90										To observe the field condition and problems of the crops	Various aspect covered related to agril.	All stage of crops
Self Help Group conveners meetings	5										Create awareness	Various aspect covered related to agril. Based income generation activities	Crop session
Soil health Camp	5										Create awareness about soil testing	NADEP, Vermicompost, Vermiwash, Light trap, seed germination, etc.	-

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Soil test campaigns	5										-	-	-
Technology Week	20										To Create awareness and disseminate agricultural technology	Various aspect covered related to agril.	-
Extension literature	20										To Create awareness and disseminate agricultural technology	As per requirement Various aspect covered	Before sowing/transplanting
Film Show	40										Create awareness and Disseminate agril. Knowledge	Paddy, Poultry, Maize, Dairy, nursery management, storage, IPM, INM, Pigeon pea,	Before sowing, tillering, maturity
Others													

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	15	All India Radio	Balaghat	Regional

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
TV talks	6	DD National	Bhopal	Regional
Newspaper coverage	120	Patrika, Dainik Bhaskar, Balaghat Express	Balaghat	Regional
Internet (Youtube)	10	Balaghat	Balaghat	Local
Social media (Whats App, Facebook, Instagram, Twitter etc.)	48	Whatsapp	Balaghat	Local

7. Literature Developed/Published

7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.)
Balaghat	January to March 2020	Q1	1000		Farmers
Balaghat	April to June 2020	Q2	1000		Farmers
Balaghat	July to September 2020	Q3	1000		Farmers
Balaghat	October to December 2020	Q4	1000		Farmers

7.2 Literature developed/published

KVK Name	Type	Number of copies
Balaghat	Abstract	10
Balaghat	Book	24
Balaghat	Book Chapter	10
Balaghat	Booklet	1000
Balaghat	Leaflets/ Folder/ Pamphlet	20000
Balaghat	Popular article	16
Balaghat	Technical Bulletin	2
Balaghat	Training Manual	2
Balaghat	Technical Report	5
Balaghat	Year Planner	25
Balaghat	Others (pl. specify)	

Research paper /Review paper published

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
Balaghat					

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Balaghat	CD	Mashroom	
Balaghat	CD	Paddy Cultivation	
Balaghat	CD	soil testing	

8. Production and supply of Technological products**8.1 SEED production**

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Balaghat	Cereals	Paddy	JR 81				
			Chinnor				
	Cereals	Chickpea	JG 12				

8.2 Planting Material production

Crop Category	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to no. of Farmers/Society	Expected area coverage (ha.)
Vegetable	Chilli	Hybrid				
Vegetable	Tomato	Arkarakasha				
Vegetable	Brinjal	Harshita				
Vegetable	Cucurbits	Hybrid				
Vegetable	Onion	Hybrid				
Grass	Napier	Co 4				
Fertilizers						
Bio-fertilizers						
Bio-Products						
Saplings						

Crop Category	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to no. of Farmers/Society	Expected area coverage (ha.)
Value Added Products						
Livestock / Bio Agents						
Fingerlings						
Poultry						
Horticulture items						

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost					
	Azolla					
	Earthworms					
	Compost					
	Blue green algae					
	NADEP					
	Sanjeewani Khad					
	Acetobactor					
	Aspergillius					
	Azatobactor					
	Azospirillum					
	Phosphate solublizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					
Bio-Food	Spirulina					
	Honey					
	Any Other (pl. sp.)					
Bio Pesticides	Neem extract					
	Neem powder					
	Tobacco extract					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Trichoderma viride					
	Trichoderma harjinum					
	Trichogramma chilonis					
	Beauveria bassiana					
	Metarhizium anisopliae					
	Pseudomonas fluorescens					
	SINPV					
	HaNPV					
	GF1					
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea					
	Tricho card					
	Any other (Pl. Specify) West decomposer					
Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis					
	Epiricania melanolauca					
Bio Agents(Worms)	Assinia foetida					
	Eudrilus eugeniae					
	Euclnia Uginae					
	Eisenia foetida					
	Earth worm					
	Any other (pl. specify)					
Others	Mushroom spawn					
	Mineral Mixture					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Cow dung (dry)					
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				Unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow						
	Calves						
	Goats						
	Buffaloes						
	Sheep						
	Breeding bull						
	Other (pl specify)						
Poultry	Poultry	Kadaknath		number			
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
	Other						
Piggery	Piglets						
	Boar						
	Sow						
	Other (pl specify)						
Fisheries	Indian carp						
	Exotic carp						
	Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020:

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
	Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	by KVKs		By Department	By KVK		By Department			Through Mini Soil Testing kit	Through Soil testing laboratory
					Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory					
Yes														

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Balaghat	0	0	0	0	0

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants								Total
				SC		ST		Other		General		
				Male	Female	Male	Female	Male	Female	Male	Female	
11.07.2020	Rainwater Harvesting	RY	1									
10.08.2020	Rainwater Harvesting	RY	1									

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Balaghat	2				

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
04.07.2020	Drip and Sprinkler	Farmer	1									
14.08.2020	Drip and Sprinkler	Farmer	1									
12.09.2020	Drip and Sprinkler	Farmer	1									
07.11.2020	Drip and Sprinkler	Farmer	1									

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/farmers/visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Balaghat	March	2020	60	75	-	

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Balaghat	1999	1999	Nil	-	Proposed for dismantle

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Balaghat	09 November 2020	54	

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Balaghat				

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology					
		Integrated Farming					
		Field Preparation					
		Any Other (Specify)					
2	Weather	Advisory					
		Change in variety					
		Change in Sowing technique					
		Climate forecast					
		Any Other (Specify)					
3	Soil Management	Soil Testing					
		INM					
		Fertilizer Application					
		Vermicomposting/ bio-waste recycling					
		Bio-fertilizer					
		Any Other (Specify)					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
4	Disease & Pest Management	Disease Management					
		Pest Management					
		Preventive Advisory Disease Management					
		Preventive Advisory Pest Management					
		Bio-pesticides					
		Any Other (Specify)					
5	Nutrition Security & Women Empowerment	Nutrition Awareness					
		Kitchen garden					
		Value Addition and Processing					
		Drudgery Reduction					
		Entrepreneurship & Income Generation					
		Advisory					
6	Horticulture	Any Other (Specify)					
		Vegetable					
		Fruit					
		Hi Tech Horticulture					
7	Livestock	Any Other (Specify)					
		Feed and Fodder					
		Dairy Management					
		Fisheries					
		Poultry Management					
		Vaccination & Disease management					
		Any Other(Specify)					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
8	Farm Mechanization						
9	Extension						
10	Organic Farming						
11	Marketing						
12	Awareness						
13	Other Enterprise						
14	Any Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
ATMA	State		Mushroom spawn production unit	Rural youth, whole district	under construction

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Balaghat		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify) RHS Jayanti			
		Others (Pl. Specify) Contingency Expenditure			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01.01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Balaghat	3716865531			

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/Regional/National)	Awarding Organizations	Amount received
Balaghat					

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
250	Cereals	Paddy	आई.आर.-64, संकर-200017, ओम-3, दप्तरी, चांदनी गोल्ड, एम.टी.यू.-1011, आर.पी.एन., तेजा-55, प्रशाना, जे.के.आर.एच.-3333, पायो-27च31, उन्नत चिन्नौर, जे.आर.-81, जे.आर.बी.-1, वी.एस.-382, फोर्ड-140, एम.टी.यू.-1010, शिवजोत, जे.आर.एच.-19, नाथ तहलका, जलपोंगा, आर-2, एन.पी.टी.-11, जे.आर.-503, तेजा-55, माहेश्वरी, महामाया, स्वर्णा, पायो-27च31, शिवजोत, आई.आर.-64, काली कामों, आई.आर.-36, दंतेश्वरी, पूजा, धानया एम.आर.-8333, जे.आर.-201, जीराशंकर, लोकनाथ-505, एम.टी.यू.-1001, जे.एन.पी.टी.-81, जे.आर.बी.-1, जे.आर.-81, उन्नत जीराशंकर, उन्नत चिन्नौर	
	Pulses	Pigeon pea	टी.जे.टी.-501	
	Cereals	Wheat	एच.आई.-8713, एच.आई.-8737, एच.आई.-1544, एच.आई.-1605, जी.डब्ल्यू-322, जे.डब्ल्यू-1202, एच.आई.-8627, एच.आई.-8759, एच.आई.-8627, जे.डब्ल्यू-1202, एच.डी.-2932, एच.आई.-8777, जी.डब्ल्यू-366, जे.डब्ल्यू-3211, जी.डब्ल्यू-147, सी.-306	
	Pulses	Gram	जे.जी.-412, जे.जी.-14, जे.जी.-130, जे.जी.के.-2, जाकी-9218, जे.जी.-322, जे.जी.-315,	

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
			जे.जी.-11,	
	Oilseed	Linseed	जे.एल.एस.-27, जे.एल.एस.-148, जे.एल.एस.-95, इन्द्रा-32, जे.एल.एस.-79, जे.एल.एस.-66, के.बी.ए.-4, जे.एल.एस.-67	
	Pulses	Pea	अरकल	
	Oilseed	Mustard	पूसा जयकिशन, साकेत-555	
	Vegetables	Vegetables – Garlic, Chilli, Brinjal, Tomato, Bottle gourde and onion	अरका रक्षक, एन.एस.-1701, हर्षिता, नासिक रेड, समर प्रोलिफक राउंड,	

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1	Balaghat	JiyaLalRahangdale	One bull drawn weeder	Bagadmara, Kirnapur	8817972028
2	Balaghat	Hirapanchtilak	Vegetable Grover	Saletekari , Birsha, balaghat	8719951015
3	Balaghat	ManiramPanche	Hybrid seed production	Koste, Kirnapur	8959294250
4	Balaghat	YograjSuryawanshi	Hybrid seed production	Nakshi,Kirnapur	9926779374
5	Balaghat	ChamanlalSuryawanshi	Hybrid seed production	Nakshi,Kirnapur	9926779374
6	Balaghat	Mahesh Pallare	Hybrid seed production	Bambhangaon, Kirnapur	8817880244
7	Balaghat	Shiv Shankar Matre	Hybrid seed production	Bambhangaon, Kirnapur	9303661256
8	Balaghat	DasharamPanche	Hybrid seed production	Datta, Kirnapur.	7828487208
9	Balaghat	D L Rahangdale	Hybrid seed production	Budbuda, Waraseoni	9926868549
10	Balaghat	Chaian Singh Bais	Water chest nut-Paddy farming	Rampayali, Waraseoni	9754430298

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
			system		
11	Balaghat	TarachandBisen	SRI in Paddy	SalheTeka, Balaghat	9479478517
12	Balaghat	BhivraoDamahe	Makhana Cultivation	Aonlajhiri, Balaghat	8251893204
13	Balaghat	Krishna Patle	Water chest nut-Paddy farming system	Ballarpur, Lalbarra	9754444690
14	Balaghat	PankajBisen	Improvement in Paddy transplanter	Miregaon, Lalbarra	9424335989
15	Balaghat	Vishal Katre	Crop production with full mechanization	Paraswada, Balaghat	9424906808

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
Balaghat		

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Balaghat	10	1272	3	10	17	1272 (100%)

Intensive- OFTS, FLDS etc; Extensive- Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Balaghat	KVK, Seoni	Regarding seed, Skill based training, and Innovative farmers (Singhara cultivation)			
Balaghat	KVK, Mandla	Regarding seed			

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Balaghat						

28. Status of KVK Website during Jan to Dec. 2020

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Balaghat				

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Balaghat		

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programmed attended (Nos)	Remarks
Balaghat				

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Balaghat		

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Balaghat					

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Balaghat		

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
Balaghat				

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Balaghat	Gosthies	38		Paddy, Pigeon pea, , Poultry, Niger, Chickpea ,
Balaghat	Lectures organised	22		
Balaghat	Exhibition	8		NADEP, Vermicompost, Vermiwash, Light trap, seed germination, etc.
Balaghat	Film show	30		Paddy, Poultry, Maize, Dairy, nursery management, storage, IPM, INM, Pigeon pea

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Balaghat	Fair	6		
Balaghat	Farm /Field Visit	25		Various aspect covered related to agril.
Balaghat	Diagnostic Practicals	27		As per requirement Various aspect
Balaghat	Animal health camp	2		Vaccination, Animal care and treatmen
Balaghat	Cashless Transaction Week			
Balaghat	Celebration of important days (Parthenium eradication week, Swachhata Abhiyan and Soil Health Day,International Women Day,National Integrity Day,World environment day,World forestry day,World Water Day)	10		Farm waste utilization
Balaghat	Demonstration	2		Crop production technology, Soil Science, Plant breeding, Horticulture, Extension, Plant protection
Balaghat	Exposure visit	7		
Balaghat	Extension activity			
Balaghat	Ex-trainees Meet	10		Feed back of adopted technology and KVK activities
Balaghat	Field Day	16		Paddy, Chickpea , Wheat, okra, chilli. brinjal, Linseed Pangasius fish culture
Balaghat	Gajarghans Unmulan Pakhwada			
Balaghat	Group Meeting	27		Assessment of agril. Problem and their causes
Balaghat	News Paper/Mass Media	43		Various aspect covered related to agril.
Balaghat	Scientists visits in farmers field	209		Various aspect covered related to agril.
Balaghat	Seed treatment campaign			
Balaghat	Self Help Group convener meet	5		Various aspect covered related to agril. Based income generation activities
Balaghat	Soil health Camp	5		NADEP, Vermicompost, Vermiwash, Light trap, seed germination, etc.

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Balaghat	Paddy			

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants
Balaghat	Feeding, Health, Housing		

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Balaghat			

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Balaghat	-	-	-	-

Seedlings and Saplings distributed

Name of KVK	Crops	Type (Seedling/Sapling)	Quantity (Nos)	Coverage of area (ha)	Number of farmers
Balaghat	Brinjal	10000	-	-	
Balaghat	Chilli	10000	-	-	
Balaghat	Tomato	10000	-	-	
Balaghat	Onion	20000	-	-	
Balaghat	Drum stick	2000	-	-	
Balaghat	Papaya	1000	-	-	
Balaghat	Hybrid Napier	5000	-	-	

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Balaghat				

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Balaghat	PSB, Rhizobium	6000	1200	

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Balaghat	Icenia	0.25	-	

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Balaghat	SRI			100000	
Balaghat	use use of paddy transplanter			5000	
Balaghat	Use of Power weeder			1000	
Balaghat	SPI			200	
Balaghat	Drip Irrigation system			50	

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Balaghat	22		11		15		6		7		13	

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village
Balaghat		

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Watercest nut cultivation	Watercest nut	5	61		

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
SRI	Rice	205	56		
SPI	Pigeonpea	45	14.5		

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Krishak Sangosthi				

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Farmers Training				

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies

2. KVK, Betul

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	25	115+90+400			
FLDs – Oilseeds (activity in ha)	50	125			
FLDs – Pulses (activity in ha)	50	125			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	-	-			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	2	10			
Training-Farmers and farm women	72	1800			
Training-Rural youths	9	270			
Training- Extension functionaries	8	160			
Extension Activities	336	18000			
Seed Production (Number of activity as seeds in quintal)	2	300			
Planting material ((Number of activity as quantity of planting material in quintal)	50	75000			
Seedling Production (Number of activity as number of seedlings in numbers)	50	50000			
Sapling Production (Number of activity as number of sapling in numbers)	50	5000			
Other Bio- products (No. of quantity)	500	500			
Live stock products	200	200			
Activities of Soil and Water Testing Laboratory	1000	1000			
Rainwater Harvesting System	02	10			
Kisan Mobile Advisory (KVK-KMA)	1	65000			
SAC Meeting (Date & no. of core/ official members)	2	60			
Literature to be Developed/Published	4	4000			
Convergence programmes / Sponsored programmes	2	-			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel	-	-			
Utilization of Staff Quarters	6	5			
Details of KVK Agro-technological Park	10	2000			
Crop Cafeteria-	2	10000			
Farm Innovators- list of 10 farm innovators from the District	10	10			
Status of Revolving Funds	-	-			
Awards and Recognitions	02	02			
Case study / Success Story to be developed	6	6			
KVK Progressive Farmers interaction	50	50			
Outreach of KVK in the District (No. of blocks, no. of villages)	10	75			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	3	3			
Important visitors to KVK	5	5			
Status of KVK Website	1	1			
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	1	1000			
Interventions on Drought Mitigation	-	-			
Sansad Adarsh Gram	1	200			
Other Activities	3	400			

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Betul	16	1	1	6	5	3	2	6	3	16	11

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Dr. V.K. Verma	Agril. Extension	Ph.D.(Ext. Edu.)	Agril. Extension	37400-67000+ AGP 9000	64130	01.06.2000	OBC
SMS/ Scientist 1	Sh. R.D. Barpete	Plant Protection	M.Sc.(Ag) (PP)	Plant Protection	15600-39100+GP (6000)	29070	24.02.2007	OBC
SMS/ Scientist 2	Ku. Riya Thakur	Horticulture	M.Sc.	Vegetable Science	15600-39100	21600	28.08.17	OBC
SMS/ Scientist 3	Dr. Anil Shinde Tamboli	Veterinary	Ph.D.	Poultry Science	15600-39100	21600	12.09.17	OBC
SMS/ Scientist 4	Dr. Sanjeev Verma	Agril. Extension	Ph.D.	Agril. Extension	15600-39100	21600	28.09.17	OBC
SMS/ Scientist 5	Dr. Megha Dubey	Agronomy	Ph.D.	Agronomy	15600-39100	21600	03.10.17	Gen.
SMS/ Scientist 6								
Programme Assistant	Dr. Sanjay Jain	Plant Breeding	Ph.D.	Plant Breeding	9300-34800+GP (4200)	18900	29/10/2011	Gen.
Programme Assistant	Er. Kumar Soni	Agricultural Engineering	M.Tech.	Soil and Water Engineering	9300-34800+GP (4200)	13500	25/01/2019	OBC
Farm Manager	-	-	-	-	-	-	-	-
Computer Programmer	-	-	-	-	-	-	-	-
Accountant / superintendent	-	-	-	-	-	-	-	-
Stenographer	Shri Sourabh Makwana	Ju. Steno	12 th	-	5220-20200	7440	04.10.17	OBC
Stenographer	Shri Dev Karan Dharwal	Ju. Steno	B.Com.	-	5220-20200	7440	04.10.18	OBC
Driver	Sh. R.S. Yadav	Driver	12th	-	5200-20200+GP (1900)	9644	14-7-2008	OBC
Driver	-	-	-	-	-	-	-	-
Supporting staff, if	-	-	-	-	-	-	-	-

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
any								
Supporting staff, if any	-	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Satpura Plateau	10	556	13,45,175	62%	5,44,118	2,24,916	0.31 ha

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Betul	Selgaon	2020	Betul	20	1029	805
Betul	Ghoghri	2020	Betul	22	636	395
Betul	Gondigawla	2020	Betul	14	826	635
Betul	Redhwa	2020	Betul	16	1266	1075

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Betul	➤ Integrated Crop Management ❖ Varietal replacement ❖ Integrated nutrient management ❖ Integrated pest management ❖ Integrate disease management ❖ Diversification
Betul	➤ Natural Resource Management ❖ Soil health management ❖ Soil moisture conservation ❖ Seed Conservation ❖ Utilization of resources

Betul	➤ Women in Agriculture ❖ Drudgery reduction ❖ Mal-nutrition reduction ❖ Income generation
Betul	➤ Live-stock Production Management ❖ Ecto-parasite, De-worming ❖ Animal nutrition and Feed management ❖ Poultry production
Betul	➤ Income Generation Activities ❖ Mushroom Cultivation ❖ Seed production ❖ Mix farming
Betul	➤ Farm Mechanization ➤ Small Farm implements ➤ Resource conservation Technology ➤ Post-Harvest Management ➤ Storage loss minimization Technology

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Betul	Low income due to pest and disease in soybean, wheat gram and vegetable	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Non availability of improved varieties.	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Non judicious use of agrochemicals in field crops	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Imbalanced use of fertilizer in crops and vegetables	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Low yield due to traditional method of sowing in Wheat, gram and soybean	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Non availability of technical information.	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
			(Betul), Redhwa (Betul)
Betul	Low availability of labour	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Low income, unemployment and migration due to small holdings and poor resources	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Non availability of improved farm machinery	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Non availability of agriculture literature	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	No balanced nutritional diet in livestock	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Low egg as well meat production from local colored bird	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Wormload and ecto-parasite infestation in animals	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Decreased milk production, Fat and SNF%	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Poor quality of planting material in vegetable	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Lack of audio-visual mode of transfer of technology in due time	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Reduction in yield due to infestation of weeds	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)
Betul	Poor knowledge about SHG recommendation	PRA and Group Discussion	Selgaon (Betul), Ghoghri (Betul), Gondigawla (Betul), Redhwa (Betul)

2. On Farm Testing (OFT)

2.1 Information about OFT:

*Ongoing OFT

Title of on-farm trial:	Assessment of high yielding onion variety Bhima kiran for high keeping quality and more income
Year/Season:	2019-20/ Rabi
Farming situation:	Irrigated (tomato-coriander-onion)
Problem diagnosis:	Onion variety (Gulmohar) having low storage ability and yield
Thematic area:	Varietal evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of low yielding and poor storable variety (Gulmohar – Light red in color & stored up to 2-3 months)
T2 –Recommended Practice-	High storage capable onion variety Bhima Kiran
Date of sowing:	-
Date of harvesting:	-
Source of technology:	DOGR, 2010
Characteristics of technology:	Light red bulb, 125-130 DAT maturity, stored up to 5-6 months
Name of Crop/Enterprises:	Onion
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1(Farmers Practice)	Keeping duration (days), Bulb weight (g), bulb yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-

Title of on-farm trial:	Assessment of short duration wheat variety HD 2967 of wheat followed by summer green gram by happy seeder
Year/Season:	2019-20/ Rabi
Farming situation:	Irrigated (Soybean –Wheat-Green gram)
Problem diagnosis:	Long duration variety of wheat leads to late sowing of summer green gram and farmers use total weed killer for early maturity of summer green gram
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of long duration variety of wheat JW 273
T2 –Recommended Practice-	Use of wheat variety of wheat HD 2967 for successful summer moong production
T3- Recommended Practice-	Sowing of summer green gram by happy seeder
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV 2016
Characteristics of technology:	Variety matures in 100-105 days, bold grain, good appearance and high protein content, yield 45q/ha It has resistant to rust and suitable for irrigated condition
Name of Crop/Enterprises:	Wheat

Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of tillers/plant, Yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial:	Assessment of thermo-insensitive improved disease resistant chickpea variety JG -14
Year/Season:	2019-20/ Rabi
Farming situation:	Rainfed (Soybean –Gram)
Problem diagnosis:	Non availability of thermo-insensitive variety
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of old variety of chickpea JG 130
T2 –Recommended Practice-	Improved chickpea variety JG -14
T3- Recommended Practice-	Sowing of chickpea variety JG -14 in R&F method
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV 2016

Characteristics of technology:	Maturity in 110-115 days, thermo insensitive, profuse branching, medium bold, attractive seed
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of pods/plant, No. of branches/plant, Yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial:	Assessment of Raised bed (RB) seed drill in chickpea
Year/Season:	2019-20/ Rabi
Farming situation:	Irrigated (Soybean-Gram)
Problem diagnosis:	Low yield of chickpea due to dense plant population, heavy wilt incidence in compact soil and poor nitrogen fixation
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Conventional seed drill
T2 –Recommended Practice-	Raised bed seed drill
T3- Recommended Practice-	Sowing by Ridge and Furrow Seed drill

Date of sowing:	-
Date of harvesting:	-
Source of technology:	CIAE, 2009
Characteristics of technology:	Use of raised bed seed drill make proper aeration of soil and to help the N-Fixation
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Field capacity (ha/hr),Irrigation saving %, yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial:	Assessment of conservation agriculture practices with happy seeder technology for rice-wheat system
Year/Season:	2019-20/ Rabi
Farming situation:	Irrigated (Rice-wheat)
Problem diagnosis:	Less availability of labour and water in winter, burning of crop stubble caused low carbon content in soil.
Thematic area:	Resource Conservation Technology
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Cultivator and Planker + Seed drill
T2 –Recommended Practice-	Sowing by Happy seeder
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	PAU, Ludhiana 2012
Characteristics of technology:	To save labour requirement , field moisture and crop residue management
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Field capacity(ha/hr), Irrigation saving % ,Labour saving (man-hr/ha), yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial:	Assessment of <i>Pseudomonas fluorescence</i> for management of soil borne pathogens in chickpea.
Year/Season:	2019-20/ Rabi
Farming situation:	Rainfed/ (Soybean –Gram)
Problem diagnosis:	Root rot, Collar rot & wilt in chickpea are major disease complex, causing severe yield loss in the crop.
Thematic area:	Integrated Disease Management

No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Seed treatment with carbendazim (2.5g/kg seed)
T2 –Recommended Practice-	Basal application of <i>P. fluorescence</i> @ 2.5kg/ha
T3- Recommended Practice-	Basal application of <i>P. fluorescence</i> @ 2.5kg/ha + foliar application 2.5kg/ha at 45-50 DAE
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV 2012
Characteristics of technology:	The <i>P. fluorescence</i> is a eco-friendly bio agent highly effective in management of many soil born pathogenic fungi
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of infected plant per 5 sq. meter, test weight of the grain (g), yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial:	Assessment of waste decomposer for farm waste
Year/Season:	2019-20/ Rabi
Farming situation:	Rainfed/ (Soybean –Gram)

Problem diagnosis:	Open pit requires 1-2 years to decompose the farm waste, partially decomposed material is also used by farmer
Thematic area:	Soil Fertility Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of open pit for decomposing farm waste. (Decomposing duration : 1-2 yrs)
T2 –Recommended Practice-	NADEP Composting (Decomposing duration : 90 days)
T3- Recommended Practice-	T ₂ +Waste decomposer 200gm + 200 litres of water + Jaggery 2 kg
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV 2016
Characteristics of technology:	The bio-agent used as decomposer will enhance the process of decomposing the farm waste. It is low cost and eco-friendly technology
Name of Crop/Enterprises:	Farm waste
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Decomposing duration (days), Decomposition (%)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial:	Assessment of bypass fat supplementation for milk production in lactating cattle
Year/Season:	2019-20/ Round the year
Farming situation:	-
Problem diagnosis:	Low fat % in milk, Low milk production
Thematic area:	Animal Nutrition Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of any Bypass fat supplementation in lactating cattle
T2 –Recommended Practice-	Bypass fat supplementation @ 100 gm /day /cattle
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	NDDDB-2012
Characteristics of technology:	Feeding Bypass fat supplementation in lactating cattle recovers fat deficiency and improves milk production
Name of Crop/Enterprises:	Dairy- Cattle
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk yield/day, Milk fat percentage	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial:	Assessment of Azolla feeding for milk production in lactating cattle
Year/Season:	2019-20/ Round the year
Farming situation:	-
Problem diagnosis:	Use of protein deficient diet causes low milk production
Thematic area:	Animal Nutrition Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of any protein supplementation in lactating cattle
T2 –Recommended Practice-	Feeding of Azolla @ 1.5 kg/day/ lactating cattle
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	NDDDB-2012
Characteristics of technology:	Feeding of Azolla in lactating cattle recovers protein deficiency and improves milk production
Name of Crop/Enterprises:	Dairy- Cattle
Recommendations for Farmers	-

Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk yield/day	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Action plan 2020

Title of on-farm trial: 1	Assessment of feeding of green fodder and mineral mixture for milk production in dairy cattle
Year/Season:	2019-20/ Round the year
Farming situation:	-
Problem diagnosis:	No use of green fodder caused low milk production and fat%
Thematic area:	Animal Feed Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of wheat straw @ 8 kg / cattle/day + 2 kg Cotton seed cake
T2 –Recommended Practice-	Use of wheat straw @ 5 kg / cattle/day + Green fodder @ 15 kg/day
T3- Recommended Practice-	T2 +Mineral mixture @ 50 gm/ animal /day
Date of sowing:	-
Date of harvesting:	-

Source of technology:	IGFRI , Jhansi, 2012
Characteristics of technology:	Feeding of green fodder and mineral mixture are essential component for increasing milk production
Name of Crop/Enterprises:	Dairy- cattle
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk yield/day, Milk fat percentage	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 2	Assessment of Kadaknath in backyard rearing system for income generation through egg production.
Year/Season:	2019-20/ Round the year
Farming situation:	-
Problem diagnosis:	Low cost of eggs of local birds, high mortality.
Thematic area:	Poultry Production and Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of local cross birds
T2 –Recommended Practice-	Backyard rearing of Kadaknath birds

T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	ICAR-IVRI, 2016-17
Characteristics of technology:	High market potential/price of eggs, Low mortality rate, native breed of MP.
Name of Crop/Enterprises:	Poultry
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Egg production, Survivability %, Economics	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 3	Assessment of chelated calcium supplement on milk production in dairy cattles
Year/Season:	2020/Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low milk production from cattles due to lack of calcium
Thematic area:	Animal feed management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No supplementation of ca rich feed in early lactation and or after parturition
T2 –Recommended Practice-	Supplementation of Chelated ca @ 100 ml / animal / day in early lactation and or after parturition
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	ICAR-NDRI, karnal : 2012
Characteristics of technology:	Calcium supplements improves the milk production in dairy cattle
Name of Crop/Enterprises:	Dairy cattle
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk yield/day -	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 4	Assessment of Narmda Nidhi poultry bird in back yard system poultry farming for higher income
Year/Season:	2020/Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low egg as well meat production from local colored bird

Thematic area:	Poultry Production and management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Rearing of local colored bird
T2 –Recommended Practice-	Rearing of Narmda Nidhi birds
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	NDVSU-Jabalpur, 2016
Characteristics of technology:	Narmadha nidhi is dual purpose breed for egg and meat production developed in madhya pradesh
Name of Crop/Enterprises:	Enterprise: Poultry Production
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Egg Production	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 5	Assessment of resource conservation technology with waste decomposer + Happy seeder in Rice-Wheat Cropping system
Year/Season:	2020/ Summer
Farming situation:	Irrigated (Soybean-Wheat-Summer green gram)
Problem diagnosis:	Reduction in yield due to infestation of weeds and burning of crop residue
Thematic area:	Resource Conservation Technology
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Sowing of wheat after burning of crop residue by ordinary seed drill and imbalance fertilizer without proper weed management
T2 –Recommended Practice-	Sowing by happy seeder
T3- Recommended Practice-	T ₂ +Waste decomposer 200 gm + 200 litres of water + Jaggery 2 kg
Date of sowing:	-
Date of harvesting:	-
Source of technology:	PAU Ludhiana, 2012
Characteristics of technology:	To save labour requirement , field moisture and crop residue management
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Weed density /sq meter, plant	-	-	-	-	-
T2(Recommended		-	-	-	-	-

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Practice)	density of Wheat					
T3(Recommended Practice)	/sqm, Yield (q/ha)	-	-	-	-	-

Title of on-farm trial: 6	Assessment of <i>Beauveria bassiana</i> for management of leaf defoliator (green semilooper, tobacco caterpillar, gram pod borer) in soybean.
Year/Season:	2020/ kharif
Farming situation:	Rainfed (Soybean- Wheat)
Problem diagnosis:	Leaf defoliators are severe problem in soybean, reducing the soybean yield by 20-35 %
Thematic area:	Integrated Pest Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Non-judicious use of chemical pesticide (quinalphos, chloropyriphos)
T2 –Recommended Practice-	Application of <i>B. bassiana</i> @ 1 L/ha at 35-40 DAE
T3- Recommended Practice-	Application of <i>B. bassiana</i> @ 1 L/ha at 35-40 DAE & 1.0 L/ha at 50-55 DAE
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, 2012
Characteristics of technology:	The <i>B. bassiana</i> is a eco-friendly bio agent highly effective in management of many larvae of major soybean pest. The bio agent is economically more beneficial as compare to chemical pesticide.
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pest population, No. of pods /plant, test weight of grain (g), yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 7	Assessment of IDM module for management of Root rot & Collar rot in soybean
Year/Season:	2020/ kharif
Farming situation:	Rainfed (Soybean- Wheat)
Problem diagnosis:	Low yield due to root-rot
Thematic area:	Integrated Disease Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Seed treatment with thiram or thiram + carbendazim @ 2.5 gm /kg seed
T2 –Recommended Practice-	Seed treatment @ 5 gm/kg + Soil treatment with <i>T. viride</i> @ 5 kg/ha
T3- Recommended Practice-	T2 + Sowing on R & F
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IISR- 2010
Characteristics of technology:	Eco friendly, cost effect bio agent with broad adaptive range against many soil borne pathogen
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	-

Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Disease intensity	-	-	-	-	-
T2(Recommended Practice)	(%), No. of pods /plant, test weight	-	-	-	-	-
T3(Recommended Practice)	of grain (g), yield (q/ha)	-	-	-	-	-

Title of on-farm trial: 8	Assessment of improved, medium duration variety of soybean JS 20-98 under different sowing method
Year/Season:	2020/ kharif
Farming situation:	Rainfed (Soybean-Wheat)
Problem diagnosis:	Low yield due long duration and disease infestation in old variety in JS 335
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety JS 335 matured in 110 days and affected due to early or timely cease of monsoon and also become prone to insect pests
T2 –Recommended Practice-	Use of improved and disease resistant variety JS 20-98
T3- Recommended Practice-	Sowing of JS 20-98 in R&F method
Date of sowing:	-
Date of harvesting:	-

Source of technology:	JNKVV-2017
Characteristics of technology:	Medium height, flower white, maturity 95 days , average branching 6 to 8
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of pods/ Plant, yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 9	Assessment of improved and high yielding sunhemp variety M-19
Year/Season:	2020/ kharif
Farming situation:	Rainfed/ (Green manure-Wheat)
Problem diagnosis:	Unavailability of sunhemp seed
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No green manuring due to unavailability of seed
T2 –Recommended Practice-	Use of improved , fibrous wilt resistant variety M-19
T3- Recommended Practice-	-

Date of sowing:	-
Date of harvesting:	-
Source of technology:	CSA, Kanpur, 2005
Characteristics of technology:	High yielding, good-quality, fibrous resistant to wilt
Name of Crop/Enterprises:	Sunhemp
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of branches /plant, No. of pods/ Plant, yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 10	Assessment of different methods for raising vegetable nursery to get healthy seedlings
Year/Season:	2020/ kharif
Farming situation:	Irrigated (vegetable nursery)
Problem diagnosis:	High mortality, very thin seedlings due to faulty method of nursery raising.
Thematic area:	Integrated Crop Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Sowing of seed on flat bed by broadcasting method

T2 –Recommended Practice-	Line sowing on solarized raised bed
T3- Recommended Practice-	Pro tray technology
Date of sowing:	-
Date of harvesting:	-
Source of technology:	ICAR-IIVR 2016-17
Characteristics of technology:	Raised bed, line sowing method produce healthy seedlings and very low mortality, pro tray technology
Name of Crop/Enterprises:	Nursery
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Germination %, Mortality %	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 11	Assessment of INM in cauliflower for sustainable production and to maintain soil health.
Year/Season:	2020/ kharif
Farming situation:	Irrigated (cauliflower-tomato)
Problem diagnosis:	Low yield due to imbalance use of chemical fertilizer.
Thematic area:	Integrated Nutrient Management
No of trials:	05
No. of farmers involved	05

Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Imbalanced use of fertilizers (180-210:60-80:0-30 NPK/ha)
T2 –Recommended Practice-	75% STV based fertilizer application + FYM @ 2t/ha+ Azotobacter @ 5kg/ha + PSB @ 5kg/ha
T3- Recommended Practice-	50% STV based fertilizer application + FYM @ 3t/ha+ Azotobacter @ 5kg/ha + PSB @ 5kg/ha
Date of sowing:	-
Date of harvesting:	-
Source of technology:	Vasantrao Naik Marathawada Krishi Vidhyapeeth, Parbhani (2016)
Characteristics of technology:	Assessed INM module will increase productivity, improve soil health and minimize the production cost.
Name of Crop/Enterprises:	Cauliflower
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Weight of curd (g), yield (q/ha), % of disease & pest incidence	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 12	Assessment of dolichos bean variety Kashi Haritima for higher yield
Year/Season:	2020/ kharif
Farming situation:	Irrigated (dholichos bean-tomato)
Problem diagnosis:	Low yield due to disease & pest susceptible variety

Thematic area:	Varietal evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of variety which are susceptible to disease and pest
T2 –Recommended Practice-	Use of improved variety Kashi Haritima
T3- Recommended Practice-	Use of improved variety Kashi Haritima + RDF (30:60:40) with 100q FYM
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IIVR 2010
Characteristics of technology:	Kashi Haritima is high yielding and have good pod quality. It is moderately resistant to dolichos yellow mosaic virus, moderately tolerant to jassid, aphid and pod borer under field condition
Name of Crop/Enterprises:	Dolichos bean
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pod length (cm), yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 13	Assessment of seed treatment drum for helping uniform mixing of chemical in seeds
Year/Season:	2020/Kharif
Farming situation:	Rainfed
Problem diagnosis:	Manual seed treatments not uniform manner and less efficient
Thematic area:	Small Farm Implements
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Seed treatment manually
T2 –Recommended Practice-	Seed treatments by seed drum
Date of sowing:	-
Date of harvesting:	-
Source of technology:	OUAT-2016
Characteristics of technology:	Uniform mixing of chemical in seed for seed treatments
Name of Crop/Enterprises:	Soybean/Seed treatment drum
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio
T1(Farmers)	Capacity (kg/hr)	-	-	-	-	-
T2 Recommended Practice	Energy expenditure (kJ/min), economic benefits (Rs) per unit operation	-	-	-	-	-

Title of on-farm trial: 14	Assessment of Hand wheel hoe to reduce drudgery in farm operation
Year/Season:	Kharif / 2020
Farming situation:	Rainfed
Problem diagnosis:	Use of hand hoe required more time in weeding operation
Thematic area:	Small Farm Implements
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of hand hoe for weeding operation
T2 –Recommended Practice-	Using the wheel hand hoe for weeding operation
Date of sowing:	-
Date of harvesting:	-
Source of technology:	Inventory on Women friendly tool-ATARI –IX Jabalpur
Characteristics of technology:	To save labour requirement and increasing weeding efficiency
Name of Crop/Enterprises:	Wheel hand hoe
Recommendations for Farmers	-
Recommendations for Deptt.	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio
T1(Farmers)	Weeding Capacity(kg/hr)	-	-	-	-	-
T2 –Recommended Practice	Economic benefits (Rs) / unit operation					

Title of on-farm trial: 15	Assessment of spiral seed grader for cleaning and grading of all round shaped grain
Year/Season:	Kharif / 2020
Farming situation:	Rainfed
Problem diagnosis:	Manual grading and cleaning required more time and it less efficient
Thematic area:	Small Farm Implements
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Manual grading and cleaning of soybean seed
T2 –Recommended Practice-	Cleaning and grading of soybean by spiral seed grader
Date of sowing:	-
Date of harvesting:	-
Source of technology:	PAU Ludhiana, 2010
Characteristics of technology:	To save labour requirement and increasing cleaning and grading efficiency
Name of Crop/Enterprises:	Soybean/spiral seed grader
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio
T1(FP)	Capacity(kg/hr)	-	-	-	-	-
T2 –Recommended Practice	Economic benefits / unit quantity of seed					

Title of on-farm trial: 16	Assessment of summer deep ploughing in Soybean-Wheat crop system
Year/Season:	2020/ kharif
Farming situation:	Rainfed
Problem diagnosis:	Occurrence of hard pan at shallow depth responsible crop, denied full use of soil fertility and nutrients
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Soybean cultivation without summer deep ploughing
T2 –Recommended Practice-	Soybean cultivation after summer deep ploughing
Date of sowing:	July 2020
Date of harvesting:	September 2020
Source of technology:	
Characteristics of technology:	Turn out the large clods and expose the soil so that rhizomes and tuber of perennial weeds die due to exposes to hot sun
Name of Crop/Enterprises:	Soybean/ M.B. Plough
Recommendations for Farmers	-
Recommendations for Deptt.	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio
T1(FP)	Field capacity(ha/hr), Bulk density(kg/m ³) and yield (q/ha)	-	-	-	-	-
T2 –Recommended Practice						

Title of on-farm trial: 17	Assessment of conservation agriculture practices with happy seeder technology for rice-wheat system
Year/Season:	2020-21/ Rabi
Farming situation:	Irrigated (Rice-wheat)
Problem diagnosis:	Less availability of labour and water in winter, burning of crop stubble caused low carbon content in soil.
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Cultivator and Planker + Seed drill
T2 –Recommended Practice-	Sowing by Happy seeder
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	PAU, Ludhiana 2012
Characteristics of technology:	To save labour requirement , field moisture and crop residue management
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio
T1(Farmers	Field capacity(ha/hr), Fuel consumption(l/ha)Labour saving (man-hr/ha), yield (q/ha)	-	-	-	-	-
T2		-	-	-	-	-
T3		-	-	-	-	-

Title of on-farm trial: 18	Assessment of waste decomposer for farm waste
Year/Season:	2020-21/ Rabi
Farming situation:	Rainfed/ (Soybean –Gram)
Problem diagnosis:	Open pit requires 1-2 years to decompose the farm waste, partially decomposed material is also used by farmer
Thematic area:	Soil Fertility Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of open pit for decomposing farm waste. (Decomposing duration : 1-2 yrs)
T2 –Recommended Practice-	NADEP Composting (Decomposing duration : 90 days)
T3- Recommended Practice-	T ₂ +Waste decomposer 200gm + 200litres of water + Jaggery 2 kg
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV 2016
Characteristics of technology:	The bio-agent used as decomposer will enhance the process of decomposing the farm waste. It is low cost and ecofriendly technology
Name of Crop/Enterprises:	Farm waste
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Decomposing duration (days), Decomposition (%)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 19	Assessment of <i>Beauvaria Bassiana</i> for management of termite in wheat
Year/Season:	2020-21/ Rabi
Farming situation:	Rainfed/ (Soybean –Wheat)
Problem diagnosis:	Yield loss due to termite in wheat
Thematic area:	Integrated Pest Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No treatment
T2 –Recommended Practice-	Seed treatment with chloropyriphos TC @ 5ml/kg seed
T3- Recommended Practice-	T ₂ + soil application of <i>Beauvaria Bassiana</i> termotorium and soil @ 5l/ha
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV 2012
Characteristics of technology:	The bio-agent is a eco-friendly and effective for management of soil born pest.
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	-

Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of infested plant/ 5 sq. m., yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 20	Assessment of IDM module in chickpea for management of Ascochyta blight
Year/Season:	2020-21/ Rabi
Farming situation:	Rainfed/ (Soybean –Gram)
Problem diagnosis:	Yield loss in chickpea due to Ascochyta blight
Thematic area:	Integrated Disease Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No treatment
T2 –Recommended Practice-	Blight tolerant variety RVG-202
T3- Recommended Practice-	T ₂ + foliar application of carbendazim + mancozeb @ 1kg/ha
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV 2014

Characteristics of technology:	RVG-202 is a high yielding and tolerant variety for major disease. Carbendazim + mancozeb is readily available cost effective broad spectrum fungicide for effective management of foliar disease.
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Disease intensity / 5 sq. m., yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 21	Introduction of marigold crop for higher returns
Year/Season:	2020-21/ Rabi
Farming situation:	Irrigated / (Soybean –Gram)
Problem diagnosis:	Low income due to cultivation of cereal or pulse crop
Thematic area:	Crop diversification
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Cultivation of crop like chickpea

T2 –Recommended Practice-	Cultivation of marigold variety Pusa Arpita
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IARI 2009
Characteristics of technology:	Pusa Arpita is high yielding variety 18-20 t/ha, produces medium sized light orange flowers during mid December to mid February in northern plains of India
Name of Crop/Enterprises:	Marigold
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield (q/ha)	-	-	-	-	-
T2(Recommended Practice)		-	-	-	-	-
T3(Recommended Practice)		-	-	-	-	-

Title of on-farm trial: 22	Assessment of wilt resistant chickpea variety JG -36 under different sowing method
Year/Season:	Rabi 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to wilt
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05

Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use old variety susceptible for wilt i.e. JG 63 /JG 315 without RDF
T2 –Recommended Practice-	Wilt resistant variety JG 36 with RDF (20N:60P:20K)
T3- Recommended Practice-	Wilt resistant variety JG 36 with RDF (20N:60P:20K) + R&F
Date of sowing:	15 th Nov 2020 (Expected)
Date of harvesting:	30 th March 2021 (Expected)
Source of technology:	JNKVV 2017
Characteristics of technology:	Wilt resistant chickpea JG 36, high yielding and semi spreading type variety
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	Kg/ha	-	-	-	-
T2(Recommended Practice)	No. of pod/plant	Number	-	-	-	-
T3(Recommended Practice)	wilt affected plant MRL	Number	-	-	-	-

Title of on-farm trial: 23	Assessment of high yielding wheat variety HI 8759 (Pua Tejas) for optimum seed rate
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated and heavy soil
Problem diagnosis:	Low yield due to high seed rate (100 q/acre)
Thematic area:	Varietal Evaluation
No of trials:	05

No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	High seed rate (100 q/acre), No RDF
T2 –Recommended Practice-	Wheat variety HI 8759 with RDF @ 100 kg/ha seed rate
T3- Recommended Practice-	Wheat variety HI 8759 with RDF @ 80 kg/ha seed rate
Date of sowing:	15 th Nov 2020 (Expected)
Date of harvesting:	30 th April 2021 (Expected)
Source of technology:	IARI 2018
Characteristics of technology:	High yielding, timely sown irrigated wheat, high level of rust resistance and dual purpose
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	Kg/ha				
T2(Recommended Practice)	No. tillers/plant	Number/sqm				
T3(Recommended Practice)	No. of grains/ear head	Number (Count)				

2.2. Information about Extension OFT:

Title 24	Assessment of WhatsApp Tech. for dissemination of Agri- Tech. in Due time
Season & Year	Round the year/ 2020
Problem identified	Lack of audio-visual mode of transfer of technology in due time
Thematic Area	ICT
Farming situation	All crops and allied sectors
Name of Technology under study	WhatsApp
Farmers Practice	No use of WhatsApp for Agriculture information
No. of replication (Farmers)	40

Results / findings

Performance indicators/ parameters	Unit/ details
Effectiveness of source of IT, Utility of messages, Understanding of Messages	

Title 25	Assessment of knowledge & adoption of soil health card based fertilizer application
Season & Year	Round the year/ 2020
Problem identified	Poor knowledge about SHG recommendation
Thematic Area	CBD
Farming situation	All crops
Name of Technology under study	Testing the knowledge and adoption of soil health card for SHC based recommendation by farmers
Farmers Practice	Farmers are not using fertilizers as per SHG recommendation
No. of replication (Farmers)	4 panchayat from each block will be selected randomly. Twenty five respondents from each panchayat will also be selected at random bases. The primary data will be collected with the help of structured interview schedule by involving RAWA students and extension workers of the district, after collection the data, they will be analyze statistically

Results / findings

Performance indicators/ parameters	Unit/ details
Age, Education, Family size, Social Participation, Extension Participation, Mass media Exposure, Land holding, Family Income, Feed back	

2.3. Information about Home Science OFT:

Title of on-farm trial:	
Year/Season:	
Problem diagnosis:	
Thematic area:	
No of trials:	
No. of farmers/farm women involved	
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
Source of technology:	
Characteristics of technology:	
Name of Crop/Enterprises:	
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
*2019-20	Rabi	Integrated Nutrient Management	Demonstration of WSF (water soluble fertilizer) for productivity enhancement	Vegetable	Tomato	Abhilash	Irrigated	Ongoing	1.0	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
			ent on tomato														
*2019-20	Rabi	Integrated Crop Management	Demonstration of chickpea variety JG 14 under R&F (CFLD)	Pulse	Chick pea	JG 14	Rainfed	Ongoing	5.0								
*2019-20	Rabi	Integrated Crop Management	Demonstration of chickpea variety JG 14 under BBF (CFLD)	Pulse	Chick pea	JG 14	Rainfed	Ongoing	5.0								
*2019-20	Rabi	Integrated Crop Management	Demonstration of chickpea variety JG 14 under improved technology (CFLD)	Pulse	Chick pea	JG 14	Rainfed	Ongoing	20.0								
2020	Kharif	Integrated	Demonstration of	Oilseed	Soybean	Basal applica	Rainfed	Ongoing	2.0	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
		Disease Management	<i>Pseudomonas</i> <i>fluorescence</i> for management of Root rot, Collar rot in soybean			tion of <i>P. fluorescence</i> @ 2.5kg/ha + foliar application 2.5kg/ha at 45-50 DAE											
2020	Kharif	Varietal Evaluation	Demonstration of improved short duration and disease resistant variety of soybean NRC 86 in late sown condition	Oilseed	Soybean	NRC 86	Rainfed	Ongoing	2.0	-	-	-	-	-	-	-	-
2020	Kharif	Integra	Demonstra	Veget	Tom	Abhilas	Irrigated	Ongoing	1.0								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
	rif	ted pest Manag ement	tion of eco-friendly practices for manageme nt of white fly in tomato.	able	ato	h											
2020	Kharif	Integrated Crop Manag ement	Demonstration of soybean under R&F (CFLD)	Oilseed	Soybean	JG 20-69	Rainfed	Ongoing	5.0	-	-	-	-	-	-	-	-
2020	Kharif	Integrated Crop Manag ement	Demonstration of soybean under BBF (CFLD)	Oilseed	Soybean	JG 20-69	Rainfed	Ongoing	5.0	-	-	-	-	-	-	-	-
2020	Kharif	Integrated Crop Manag ement	Demonstration of soybean under improved technology (CFLD)	Oilseed	Soybean	JG 20-69	Rainfed	Ongoing	20.0	-	-	-	-	-	-	-	-
2020-21	Rabi	Integrated	Demonstration	Pulse	Chick	-	Rainfed	Ongoing	5.0	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
	i	ted Crop Manag ement	tion of chickpea under R&F (CFLD)		pea												
*2019-20	Rabi	Integrated Crop Manag ement	Demonstration of chickpea variety under BBF (CFLD)	Pulse	Chick pea	-	Rainfed	Ongoing	5.0	-	-	-	-	-	-	-	-
*2019-20	Rabi	Integrated Crop Manag ement	Demonstration of chickpea variety under improved technology (CFLD)	Pulse	Chick pea	-	Rainfed	Ongoing	20.0	-	-	-	-	-	-	-	-

*- ongoing FLD's

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of WSF (water soluble fertilizer) for productivity enhancement on tomato	Tomato	Fruit weight (gm), fruit yield (kg/plant), total yield (q/ha)										
Demonstration of chickpea variety JG 12 under R&F (CFLD)	Chickpea	No. of branches/plant , No. of pod/plant , yield (q/ha)										
Demonstration of chickpea variety JG 12 under BBF (CFLD)	Chickpea	No. of branches/plant , No. of pod/plant , yield (q/ha)										
Demonstration of chickpea variety JG 12 under improved technology (CFLD)	Chickpea	No. of branches/plant , No. of pod/plant , yield (q/ha)										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of <i>Pseudomonas fluorescens</i> for management of Root rot, Collar rot in soybean	Soybean	No. of infected plant per 5 sq. meter, test weight of the grain (g), yield (q/ha)										
Demonstration of improved short duration and disease resistant variety of soybean NRC 86 in late sown condition	Soybean	No. of branches /plant, No. of pods/ Plant, plot yield (q/ha)										
Demonstration of eco-friendly practices for management of white fly in tomato.	Tomato	White fly population, incidence of leaf curl (%), weight of fruit (g), total yield (q/ha)										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of soybean variety JG 20-69 under R&F (CFLD)	Soybean	No. of branches/plant , No. of pod/plant , yield (q/ha)										
Demonstration of soybean variety JG 20-69 under BBF (CFLD)	Soybean	No. of branches/plant , No. of pod/plant , yield (q/ha)										
Demonstration of soybean variety JG 20-69 under improved technology (CFLD)	Soybean	No. of branches/plant , No. of pod/plant , yield (q/ha)										
Demonstration of chickpea under R&F (CFLD)	Chickpea	No. of branches/plant										
Demonstration of chickpea variety under BBF (CFLD)	Chickpea	No. of branches/plant										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of chickpea variety under improved technology (CFLD)	Chickpea	No. of branches/plant										

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop/ Enterprise	Name of Variety/Tech nology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/O ngoing	Crop-Area (ha) / Entr ep - No.	Results (q/ha)		% change	No. of farmers				
										F P (T ₁)	R P (T ₂)		SC	ST	Oth ers	Gene ral	Tot al

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
*2019-20	-	Animal Nutrition Management	Demonstration of mineral salt lick/brick in lactating cattle	Live stock	Lives tock	Mineral salt lick/brick in lactating cattle	-	Ongoing	5	-	-	-	-	-	-	-	-
2020	-	Animal Disease Management	Demonstration of Lactifence liquid (DeLaval) for prevention	Live stock	Lives tock	Use of lactifence liquid for only mammary glands	-	Ongoing	5	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/ Technology/ Enterprise	Farming Situation (rainfed/ irrigated /semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
			of infection in mammary gland (Subclinical mastitis)														

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of mineral salt lick/brick in lactating cattle	Livestock	Milk yield/day, Body weight.	-	-	-	-	-	-	-	-	-	-

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of Lactifence liquid (DeLaval) for prevention of infection in mammary gland (Subclinical mastitis)	Livestock	Milk production (lit/day), Occurance of infection(%)	-	-	-	-	-	-	-	-	-	-

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Betul	All the technology demonstrated were appropriate and appreciated by	Personal Contact, Field day, group discussion	-	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Betul	Will submitted based on results of OFT and farmers feed back

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Betul	Farmers & Farmwomen (on campus)	Interface, Training	In May & October – Selgaon, Ghoghri, Gondigawla, Redhwa	100
Betul	Farmers & Farmwomen (off campus)	Training, Sangosthi	In May & October – Selgaon, Ghoghri, Gondigawla, Redhwa	100
Betul	Extension Functionaries	Interface, Training	In May & October – Selgaon, Ghoghri, Gondigawla, Redhwa	50
Betul	Rural Youth	Sangosthi, Training	In May & October – Selgaon, Ghoghri, Gondigawla, Redhwa	50

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes to be conducted by the KVKs for Farmers

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F & FW	OFC	Crop Production	Weed Management	Training on weed management in Kharif season	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Crop Production	Weed Management	Training on weed	1	1	3	2	3	2	3	2	5	5

Category (F &FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				management in rabiseason										
F &FW	OFC	Crop Production	Resource Conservation Technologies	Training on happy seeder technology	1	1	3	2	3	2	3	2	5	5
F &FW	OFC	Crop Production	Cropping Systems	Training on different cropping systems	1	1	3	2	3	2	3	2	5	5
FW	OFC	Crop Production	Integrated Farming	Training on integrated farming system	1	1	3	2	3	2	3	2	5	5
F &FW	ONC	Crop Production	Micro irrigation/irrigation	Training on different irrigation methods	1	1	3	2	3	2	3	2	5	5
F &FW	ONC	Crop Production	Integrated Crop Management	Training on Integrated Crop Management	1	1	3	2	3	2	3	2	5	5
FW	OFC	Crop Production	Soil & water conservation	Training on Soil & water conservation	1	1	3	2	3	2	3	2	5	5
F &FW	ONC	Crop Production	Integrated nutrient Management	Training on INM	1	1	3	2	3	2	3	2	5	5
FW	OFC	Crop Production	Others(production technology)	Training on production technology of kharif crops	1	1	3	2	3	2	3	2	5	5
FW	ONC	Crop Production	Others(production technology)	Training on production technology of rabi crops	1	1	3	2	3	2	3	2	5	5
F &FW	OFC	Horticulture (Vegetable Crops)	Off season vegetables	Training on production technology of Off season vegetables	1	1	3	2	3	2	3	2	5	5
FW	OFC	Horticulture (Vegetable Crops)	Nursery raising	Training on nursery management	1	1	3	2	3	2	3	2	5	5
F &FW	ONC	Horticulture (Vegetable Crops)	Protective cultivation	Training on protected cultivation	1	1	3	2	3	2	3	2	5	5

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F & FW	OFC	Horticulture (Vegetable Crops)	Others(production technology)	Training on production technology of khraif season vegetables	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Horticulture (Vegetable Crops)	Others(production technology)	Training on production technology of rabi season vegetables	1	1	3	2	3	2	3	2	5	5
F & FW	ONC	Horticulture (Fruits)	Training and Pruning	Training on Training and Pruning	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Horticulture (Fruits)	Layout and Management of Orchards	Training on Layout and Management of Orchards	1	1	3	2	3	2	3	2	5	5
FW	OFC	Horticulture (Fruits)	Cultivation of Fruit	Training on Cultivation of Fruit	1	1	3	2	3	2	3	2	5	5
F & FW	ONC	Horticulture (Fruits)	Rejuvenation of old orchards	Training on Rejuvenation of old orchards	1	1	3	2	3	2	3	2	5	5
FW	ONC	Horticulture (Fruits)	Plant propagation techniques	Training on Plant propagation techniques	1	1	3	2	3	2	3	2	5	5
F & FW	ONC	Horticulture (Ornamental Plants)	Propagation techniques of Ornamental Plants	Training on Propagation techniques of Ornamental Plants	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Horticulture(Tuber crops)	Production and Management technology	Training on Production and Management technology	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Horticulture(Spices)	Production and Management technology	Training on Production and Management technology	1	1	3	2	3	2	3	2	5	5
F & FW	ONC	Horticulture(Medicinal and Aromatic Plants)	Production and management technology	Training on Production and management technology	1	1	3	2	3	2	3	2	5	5

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW	ONC	Horticulture(Medicinal and Aromatic Plants)	Post harvest technology and value addition	Training on Post harvest technology and value addition	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Soil Health and Fertility Management	Soil fertility management	Training on Soil fertility management	1	1	3	2	3	2	3	2	5	5
FW	OFC	Soil Health and Fertility Management	Integrated water management	Training on Integrated water management	1	1	3	2	3	2	3	2	5	5
F & FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	Training on Integrated Nutrient Management	1	1	3	2	3	2	3	2	5	5
FW	ONC	Soil Health and Fertility Management	Production and use of organic inputs	Training on Production and use of organic inputs	1	1	3	2	3	2	3	2	5	5
FW	OFC	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Training on Micro nutrient deficiency in crops	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Training on balance use of fertilizer by using SHC	1	1	3	2	3	2	3	2	5	5
F & FW	ONC	Soil Health and Fertility Management	Organic Farming	Training on organic farming	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Livestock Production and Management	Dairy Management	Training on Dairy Management	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Livestock Production and Management	Poultry Management	Training on Poultry Management	1	1	3	2	3	2	3	2	5	5

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW	OFC	Livestock Production and Management	Animal Nutrition Management	Training on Animal Nutrition Management	1	1	3	2	3	2	3	2	5	5
F & FW	ONC	Livestock Production and Management	Disease Management	Important of vaccination of FMD & HS.	1	1	-	-	-	-	-	-	-	-
FW	OFC	Livestock Production and Management	Disease Management	Training on Management of Reproductive disorder	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Livestock Production and Management	Feed & fodder technologies	Training on azolla production	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Livestock Production and Management	Feed & fodder technologies	Training on Feed & fodder technologies	1	1	3	2	3	2	3	2	5	5
FW	ONC	Livestock Production and Management	Production of quality animal products	Training on Production of quality animal products	1	1	3	2	3	2	3	2	5	5
FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Training on nutritional kitchen garden	1	1	3	2	3	2	3	2	5	5
FW	OFC	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Training on nutritional value of fruit and vegetable crops	1	1	3	2	3	2	3	2	5	5
FW	OFC	Home Science/Women empowerment	Gender mainstreaming through SHGs	Training on Gender mainstreaming through SHGs	1	1	3	2	3	2	3	2	5	5
FW	ONC	Home Science/Women empowerment	Value addition	Training on value addition of vegetable and fruit crops	1	1	3	2	3	2	3	2	5	5
FW	ONC	Home Science/Women empowerment	Women empowerment	Training on women empowerment	1	1	3	2	3	2	3	2	5	5

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW	ONC	Home Science/Women empowerment	Women and child care	Training on personal hygiene management	1	1	3	2	3	2	3	2	5	5
FW	ONC	Home Science/Women empowerment	Women and child care	Training on importance of breast feeding	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Training on Farm machinery & its maintenance	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Agril. Engineering	Installation and maintenance of micro irrigation systems	Training on Installation and maintenance of micro irrigation systems	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Agril. Engineering	Use of Plastics in farming practices	Training on Use of Plastics in farming practices	1	1	3	2	3	2	3	2	5	5
FW	ONC	Agril. Engineering	Production of small tools and implements	Training on Production of small tools and implements	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Agril. Engineering	Repair and maintenance of farm machinery and implements	Training on Repair and maintenance of farm machinery and implements	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Plant Protection	Integrated Pest Management	Training on Integrated Pest Management of Kharif crops	1	1	3	2	3	2	3	2	5	5

Category (F &FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F &FW	OFC	Plant Protection	Integrated Pest Management	Training on plant protection in brinjal and tomato	1	1	3	2	3	2	3	2	5	5
F &FW	OFC	Plant Protection	Integrated Pest Management	Training on pest management of soybean	1	1	3	2	3	2	3	2	5	5
F &FW	OFC	Plant Protection	Integrated Pest Management	Training on Integrated Pest Management of rabi crops	1	1	3	2	3	2	3	2	5	5
F &FW	ONC	Plant Protection	Integrated Disease Management	Training on Integrated Disease Management of Kharif crops	1	1	3	2	3	2	3	2	5	5
F &FW	ONC	Plant Protection	Integrated Disease Management	Training on disease management in summer moong	1	1	3	2	3	2	3	2	5	5
F &FW	OFC	Plant Protection	Integrated Disease Management	Training on Integrated Disease Management of rabi crops	1	1	3	2	3	2	3	2	5	5
F &FW	OFC	Plant Protection	Integrated Disease Management	Training on seed and soil treatment for Rabi crops	1	1	3	2	3	2	3	2	5	5
F &FW	ONC	Plant Protection	Integrated Disease Management	Training on pest and disease management in soybean and maize	1	1	3	2	3	2	3	2	5	5
F &FW	ONC	Plant Protection	Bio-control of pests and diseases	Training on biocontrol management of pest	1	1	3	2	3	2	3	2	5	5
F &FW	OFC	Production of Input	Seed Production	Training on seed	1	1	3	2	3	2	3	2	5	5

Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		at site		production technology										
F & FW	ONC	Production of Input at site	Bio0agents production	Training on production technology of biofertilizer & biopesticide	1	1	3	2	3	2	3	2	5	5
F & FW	ONC	Production of Input at site	Vermi0compost production	Training on vermicomposting	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Production of Input at site	Mushroom production	Training on mushroom production	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Capacity Building and Group Dynamics	Leadership development	Training on Leadership development	1	1	3	2	3	2	3	2	5	5
F & FW	OFC	Capacity Building and Group Dynamics	Group dynamics	Training on Capacity building and group formation	1	1	3	2	3	2	3	2	5	5
FW	ONC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Training on group formation	1	1	3	2	3	2	3	2	5	5
FW	OFC	Capacity Building and Group Dynamics	Mobilization of social capital	Training on Mobilization of social capital	1	1	3	2	3	2	3	2	5	5
F & FW	ONC	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths	Training on Entrepreneurial development of farmers/youths	1	1	3	2	3	2	3	2	5	5

Table 5.2. Details of Training Programmes to be conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OF C)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY	ONC	Nursery Management of Horticulture crops	Training on nursey management of Horticulture crops	1	1	3	2	3	2	3	2	5	5
RY	ONC	Training and pruning of orchards	Training on Training and pruning of orchards	1	1	3	2	3	2	3	2	5	5
RY	ONC	Protected cultivation of vegetable crops	Training on Protected cultivation of vegetable crops	1	1	3	2	3	2	3	2	5	5
RY	ONC	Seed production	Training on Seed production	1	1	3	2	3	2	3	2	5	5
RY	ONC	Production of organic inputs	Training on Production of organic inputs	1	1	3	2	3	2	3	2	5	5
RY	ONC	Mushroom Production	Training on Mushroom Production	1	1	3	2	3	2	3	2	5	5
RY	ONC	Repair and maintenance of farm machinery and implements	Training on Repair and maintenance of farm machinery and implements	1	1	3	2	3	2	3	2	5	5
RY	ONC	Dairying	Training on Dairy farming	1	1	3	2	3	2	3	2	5	5
RY	ONC	Poultry production	Training on Poultry production	1	1	3	2	3	2	3	2	5	5

Table 5.3. Details of Training Programmes to be conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS	ONC	Productivity enhancement in field crops	Training on Productivity enhancement in field crops	1	2	3	2	3	2	3	2	5	5

Category (IS)	Training Type (ONC/OFC)	Thematic area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS	ONC	Integrated Pest Management	Training on Integrated Pest Management	1	2	3	2	3	2	3	2	5	5
IS	ONC	Protected cultivation technology	Training on Protected cultivation technology	1	2	3	2	3	2	3	2	5	5
IS	ONC	Care and maintenance of farm machinery and implements	Training on Care and maintenance of farm machinery and implements	1	1	3	2	3	2	3	2	5	5
IS	ONC	Formation and Management of SHGs	Training on Formation and Management of SHGs	1	1	3	2	3	2	3	2	5	5
IS	ONC	Women and Child care	Training on Women and Child care	1	1	3	2	3	2	3	2	5	5
IS	ONC	Management in farm animals	Training on Management in farm animals	1	2	3	2	3	2	3	2	5	5
IS	ONC	Livestock feed and fodder production	Training on Livestock feed and fodder production	1	2	3	2	3	2	3	2	5	5

Table 5.4. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Livestock and fisheries	Dairy farming	Dairy Farming	Livestock	Animal management	1	5	3	2	3	2	3	2	5	5
Livestock and fisheries	Poultry farming	Poultry rearing for Self employment.	Livestock	Poultry diseases	1	5	3	2	3	2	3	2	5	5
Income generation activities	Vermi-composting	Training on Vermi-composting	Vermicompost	organic farming	1	5	3	2	3	2	3	2	5	5

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Income generation activities	Mushroom cultivation	Training on mushroom production	Mushroom	Income generation	1	5	3	2	3	2	3	2	5	5
Income generation activities	Nursery, grafting etc.	Training on plant propagation	Horticultural crop	Income generation	1	5	3	2	3	2	3	2	5	5
Income generation activities	Nursery, grafting etc.	Training on nursery management	Horticultural crop	Income generation	1	5	3	2	3	2	3	2	5	5
Income generation activities	Seed production	Training on Seed production	Seed production	Income generation	1	5	3	2	3	2	3	2	5	5
Income generation activities	Repair and maintenance of farm machinery & implements	Training on Repair and maintenance of farm machinery & implements	Machinery	Income generation	1	5	3	2	3	2	3	2	5	5
Income generation activities	Production of bio-agents, bio-pesticides,	Training on Production of bio-agents, bio-pesticides,	Bio-products	Income generation	1	5	3	2	3	2	3	2	5	5
Agricultural Extension	Capacity building and group dynamics	Training on Capacity building and group dynamics	SHG's	Personality development	1	5	3	2	3	2	3	2	5	5

Table 5.5. Sponsored Training Programmes to be conducted

Client (F &FW/F W/ RY/ IS)	Titl e	Thematic area	Sub-theme	Traini ng Title	Durati on (days)	No. of cours es	No. of Participants								Sponsor ing Agency	Fund receiv ed for traini ng (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
FW	-	Crop production and management	Increasing production and productivity of crops	-	1	5	3	2	3	2	3	2	5	5	-	-
FW	-	Crop production and management	Commercial production of vegetables	-	1	5	3	2	3	2	3	2	5	5	-	-
FW	-	Post harvest technology and value addition	Processing and value addition	-	1	5	3	2	3	2	3	2	5	5	-	-
FW	-	Farm machinery	Farm machinery, tools and implements	-	1	5	3	2	3	2	3	2	5	5	-	-
FW	-	Livestock and fisheries	Livestock production and management	-	1	5	3	2	3	2	3	2	5	5	-	-
FW	-	Home Science	Household nutritional security	-	1	5	3	2	3	2	3	2	5	5	-	-
FW	-	Agricultural Extension	Capacity Building and Group Dynamics	-	1	5	3	2	3	2	3	2	5	5	-	-

Table 5.6. Details of training programme to be conducted for livelihood security in rural areas by the KVKs

Training title	Self employed after training			Number of persons employed else where
	Type of units	Number of units	Number of persons employed	
Training on Mushroom production	-	2	-	-
Training on seedling production	-	2	-	-
Training on seed Production	-	2	-	-
Training nursery management	-	2	-	-
Training on Poultry farming for Self employment.	-	3	-	-

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
Dairy Farming	Livestock and fisheries	-	-	1	1	3	2	3	2	3	2	5	5	-	-
Poultry rearing for Self employment.	Livestock and fisheries	-	-	1	1	3	2	3	2	3	2	5	5	-	-
Training on Vermi-composting	Income generation activities	-	-	1	1	3	2	3	2	3	2	5	5	-	-
Training on mushroom production	Income generation activities	-	-	1	1	3	2	3	2	3	2	5	5	-	-
Training on plant propagation	Income generation activities	-	-	1	1	3	2	3	2	3	2	5	5	-	-
Training nursery management	Income generation activities	-	-	1	1	3	2	3	2	3	2	5	5	-	-

Table 5.8 Subject area wise details of women farmer specific training programmes to be organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	2	50
Design and development of low/minimum cost diet	-	-
Designing and development for high nutrient efficiency diet	-	-
Minimization of nutrient loss in processing	-	-
Processing and cooking	-	-
Gender mainstreaming through SHGs	1	25
Storage loss minimization techniques	-	-
Value addition	2	50
Women empowerment	1	25

Area of Training	Jan-Dec-2020	
	Courses	Participants
Location specific drudgery reduction technologies	-	-
Rural Crafts	-	-
Women and child care	2	50
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	-	-

Table 5.9 Subject area wise details of other than women farmer specific training programmes to be organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Crop Production	1	25
Horticulture	1	25
Soil Health and Fertility Management	1	25
Livestock Production and Management	2	50
Agril. Engineering	1	25
Plant Protection	2	50
Fisheries	0	0
Production of Input at site	1	25
Capacity Building and Group Dynamics	1	25
Agro forestry	0	0

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
-	-	-	-	-	-	-	-	-	-	-

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic	1	-	10	10	5	5	8	2	5	5	-	-	-
Animal Health Camp	4	-	-	-	-	-	-	-	-	-	-	-	-
Awareness programme	3	-	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days	3	-	-	-	-	-	-	-	-	-	-	-	-
Diagnostic visits	30	-	-	-	-	-	-	-	-	-	-	-	-
Exhibition	8	-	-	-	-	-	-	-	-	-	-	-	-
Exposure visits	2	-	-	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	1	-	-	-	-	-	-	-	-	-	-	-	-
Farm advisory Services	100	-	-	-	-	-	-	-	-	-	-	-	-
Farmers visit to KVK	Mass	-	-	-	-	-	-	-	-	-	-	-	-
Field Day	8	-	-	-	-	-	-	-	-	-	-	-	-
Group meetings	10	-	-	-	-	-	-	-	-	-	-	-	-
Kisan Ghosthi/Sammelan	3	-	-	-	-	-	-	-	-	-	-	-	-
Kisan Mela	4	-	-	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	10	-	-	-	-	-	-	-	-	-	-	-	-
Mahila Mandals conveners meetings	2	-	-	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	6	-	-	-	-	-	-	-	-	-	-	-	-
Pradhanmantri phasal beema yojana	1	-	-	-	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	44	-	-	-	-	-	-	-	-	-	-	-	-
Self Help Group conveners meetings	2	-	-	-	-	-	-	-	-	-	-	-	-
Soil health Camp	2	-	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	4	-	-	-	-	-	-	-	-	-	-	-	-
Technology Week	1	-	-	-	-	-	-	-	-	-	-	-	-
Radio talks	8	-	-	-	-	-	-	-	-	-	-	-	-

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Extension literature	10	-	-	-	-	-	-	-	-	-	-	-	-
TV talks	8	-	-	-	-	-	-	-	-	-	-	-	-
Newspaper coverage	50	-	-	-	-	-	-	-	-	-	-	-	-
Film Show	10	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	10	Aakashwani	Bhopal, Betul	Local/ Regional
TV talks	10	Doordarshan	Bhopal, Betul	Local/ Regional
Newspaper coverage	50	Local News Paper	Bhopal, Betul	Local/ Regional
Internet (Youtube)	2	-	Bhopal, Betul	Local/ Regional
Social media (Whats App, Facebook, Instagram, Twitter etc.)	10	-	Bhopal, Betul	Local/ Regional

7. Literature to be Developed/Published

7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.)
Betul	January to March 2020	Q1	1000	-	-
Betul	April to June 2020	Q2	1000	-	-
Betul	July to September 2020	Q3	1000	-	-
Betul	October to December 2020	Q4	1000	-	-

7.2 Literature

KVK Name	Type	Number of copies
Betul	Abstract	-
Betul	Book	-
Betul	Book Chapter	-
Betul	Booklet	-
Betul	Leaflets/ Folder/ Pamphlet	-
Betul	Popular article	-
Betul	Technical Bulletin	-
Betul	Training Manual	-
Betul	Technical Report	-
Betul	Year Planner	-
Betul	Others (pl. specify)	-

Research paper /Review paper (Jan to Dec. 2020)

Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
-	KVK Scientist	-	National/International	-

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Betul	CD	Dairy technology	50
Betul	CD	IDM technology	50

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Betul	BS	Soybean	JS 20-98				
Betul	BS	Chickpea	JG 36				

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Betul	Vegetable seedlings	Tomato, Chilli, Brinjal, cucurbits etc.	-	150000	-	-	-

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter	-	-	-	-	-
	Vermicompost	5000	-	-	-	-
	Azolla	500	-	-	-	-
	Earthworms	-	-	-	-	-
	Compost	-	-	-	-	-
	Blue green algae	-	-	-	-	-
	NADEP	-	-	-	-	-
	Sanjeevani Khad	-	-	-	-	-
	Acetobacter	-	-	-	-	-
	Aspergillus	-	-	-	-	-
	Azotobacter	-	-	-	-	-
	Azospirillum	-	-	-	-	-
	Phosphate solubilizing Bacteria	-	-	-	-	-
	Rhizobium	-	-	-	-	-
	Other (pl. sp.)	-	-	-	-	-
Bio-Food	Spirulina	-	-	-	-	-
	Honey	-	-	-	-	-
	Any other	-	-	-	-	-
Bio Pesticides	Neem powder	-	-	-	-	-
	Tobacco extract	-	-	-	-	-
	Trichoderma viride	-	-	-	-	-

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Trichoderma harjinum	-	-	-	-	-
	Trichogramma chilonis	-	-	-	-	-
	Beauveria bassiana	-	-	-	-	-
	Metarhizium anisopliae	-	-	-	-	-
	Pseudomonas fluorescens	-	-	-	-	-
	SINPV	-	-	-	-	-
	HaNPV	-	-	-	-	-
	GF1	-	-	-	-	-
	Baco Lures	-	-	-	-	-
	Heli Lures	-	-	-	-	-
	Leucin Lures	-	-	-	-	-
	Paecilomyces	-	-	-	-	-
	Panchagavya	-	-	-	-	-
	Verticillium	-	-	-	-	-
Bio Agents (Tricho card)	Trichogramma chilonis	-	-	-	-	-
	Chrysoperla carnea	-	-	-	-	-
	Tricho card	-	-	-	-	-
	Any other (Pl. Specify)	-	-	-	-	-
Bio Agents (Pyrilla parasitoids)	Ooencyrtus papilionis	-	-	-	-	-
	Epiricania melanolauca	-	-	-	-	-
Bio Agents(Worms)	Assinia foetida	-	-	-	-	-
	Eudrilus eugeniae	-	-	-	-	-
	Euclina Uginiae	-	-	-	-	-
	Eisenia foetida	-	-	-	-	-
	Earth worm	-	-	-	-	-
	Any other (pl. specify)	-	-	-	-	-
Others	Mushroom spawn	-	-	-	-	-
	Mineral Mixture	-	-	-	-	-
	Cow dung (dry)	-	-	-	-	-

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Any other (pl. specify)	-	-	-	-	-

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow	H.F.	Milk	1500 litre	-	-	-
	Calves	-	-	-	-	-	-
	Goats	-	-	-	-	-	-
	Buffaloes	Kadaknath	Chicks (Meat purpose)	300	-	-	-
	Sheep	-	-	-	-	-	-
	Breeding bull	-	-	-	-	-	-
	Other (pl specify)	-	-	-	-	-	-
Poultry	Poultry	-	-	-	-	-	-
	Japanese quail	-	-	-	-	-	-
	Japanese quail eggs	-	-	-	-	-	-
	Ducks	-	-	-	-	-	-
	Turkey	-	-	-	-	-	-
	Other	-	-	-	-	-	-
Piggery	Piglets	-	-	-	-	-	-
	Boar	-	-	-	-	-	-
	Sow	-	-	-	-	-	-
	Other (pl specify)	-	-	-	-	-	-
Fisheries	Indian carp	-	-	-	-	-	-
	Exotic carp	-	-	-	-	-	-
	Other (pl specify)	-	-	-	-	-	-

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples to be analyzed during Jan to Dec. 2020:

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed		No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
												Through Mini Soil Testing kit	Through Soil testing laboratory
	Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	Mini Soil Testing kit	Soil testing laboratory	By Department	By KVK	By Department				
Yes 2012-13	-	-	-	-	-	-	-	-	-	-	-	-	-

9.2 Details of water samples to be analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Betul	-	-	-	-	-

10. Rainwater Harvesting

10.1. Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
-	-	-	-	-	-	-	-	-	-	-	-	-

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

No. of Training programmes under Rain water Harvesting	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
-	-	-	-	-

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
-	-	-	-	-	-	-	-	-	-	-	-	-

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Betul	-	-	-	-	-	-

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Betul	2010	2008, 2011 & 2017	5	1	One quarter use as store

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Betul	Pre-Kharif 2020	30	-
Betul	Pre-Rabi 2020	30	-

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Betul	10000	100	10	10110

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology	-	-	-	-	-
		Integrated Farming	-	-	-	-	-
		Field Preparation	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
2	Weather	Advisory	-	-	-	-	-
		Change in variety	-	-	-	-	-
		Change in Sowing technique	-	-	-	-	-
		Climate forecast	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
3	Soil Management	Soil Testing	-	-	-	-	-
		INM	-	-	-	-	-
		Fertilizer Application	-	-	-	-	-
		Vermicomposting/ bio-waste recycling	-	-	-	-	-
		Bio-fertilizer	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
4	Disease & Pest Management	Disease Management	-	-	-	-	-
		Pest Management	-	-	-	-	-
		Preventive Advisory Disease Management	-	-	-	-	-
		Preventive Advisory Pest Management	-	-	-	-	-
		Bio-pesticides	-	-	-	-	-

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Any Other (Specify)	-	-	-	-	-
5	Nutrition Security & Women Empowerment	Nutrition Awareness	-	-	-	-	-
		Kitchen garden	-	-	-	-	-
		Value Addition and Processing	-	-	-	-	-
		Drudgery Reduction	-	-	-	-	-
		Entrepreneurship & Income Generation	-	-	-	-	-
		Advisory	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
6	Horticulture	Vegetable	-	-	-	-	-
		Fruit	-	-	-	-	-
		Hi Tech Horticulture	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
7	Livestock	Feed and Fodder	-	-	-	-	-
		Dairy Management	-	-	-	-	-
		Fisheries	-	-	-	-	-
		Poultry Management	-	-	-	-	-
		Vaccination & Disease management	-	-	-	-	-
		Any Other(Specify)	-	-	-	-	-
8	Farm Mechanization	-	-	-	-	-	-
9	Extension	-	-	-	-	-	-
10	Organic Farming	-	-	-	-	-	-
11	Marketing	-	-	-	-	-	-
12	Awareness	-	-	-	-	-	-
13	Other Enterprise	-	-	-	-	-	-
14	Any Other(Specify)	-	-	-	-	-	-

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
ATMA	Central	-	Trainings, workshop	Betul District	Central
MNREGA	-	-	-	-	-
NHM	Central	-	Seedling production, Trainings	Betul	Central
RKVY	-	-	-	-	-
DRDA	-	-	-	-	-
Zila Panchyat	State	-	Trainings, workshop	Betul District	State
Seed Village	Central	-	Seed production programme at farmer's field, trainings. seed supply	Betul	Central
Climate Change	-	-	-	-	-
Haldhar Yojna	State	-	Summer deep ploughing	Betul district	State
FFS	Central	-	Trainings	Betul District	Central

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Betul	-	OFT	-	-	-
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01.01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Betul	325901010020018	-	-	-

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/ National)	Awarding organizations	Amount received
Betul	-	-	-	-	-

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
500m ² approx.	-	-	--	-

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1	Betul	-	-	-	-

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Betul	-	-

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
KVK Betul	10	1343	5	All 10 Blocks	136	953

Intensive- OFTS, FLDS etc; **Extensive-** Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation
Betul	-	-	-	-	-	-	-

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Betul	Betul, Chhindwara, Hoshangabad	Sharing Manpower and resources	-	-	-

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Betul	-	-	-	-	-	-

28. Status of KVK Website during Jan to Dec. 2020

S. No.	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
1	KVK Betul	7 June 2010 Revived in December 2017	Monthly	-	-

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Betul	-	-	-	-

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
1	KVK Betul	-	-	-

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
1	Betul	-	-	-

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Betul	-	-	--	-
-	Total	-	-	-

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Betul	-	-

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Betul	-	-	-	-

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Betul	-	-

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Betul	-	-	-	-	-

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Betul	-	-

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
Betul	-	-	-	-

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Betul	Gosthies	1	50	Related crop/livestock /technology
Betul	Lectures organized	1	50	Related crop/livestock /technology
Betul	Exhibition	1	50	Related crop/livestock /technology
Betul	Film show	1	150	Related crop/livestock /technology
Betul	Fair	1	500	Related crop/livestock /technology
Betul	Farm/ Field Visit	1	50	Related crop/livestock /technology
Betul	Diagnostic Practical's	1	50	Related crop/livestock /technology
Betul	Distribution of Literature (No.)	1	5000	Related crop/livestock /technology
Betul	Distribution of Seed (q)	1	50	Related crop/livestock /technology
Betul	Distribution of Planting materials (No.)	1	5000	Related crop/livestock /technology
Betul	Bio Product distribution (Kg)	1	50	Related crop/livestock /technology
Betul	Distribution of Bio Fertilizers (q)	1	50	Related crop/livestock /technology
Betul	Distribution of fingerlings	1	50	Related crop/livestock /technology
Betul	Distribution of Livestock specimen (No.)	1	500	Related crop/livestock /technology
Betul	Total number of farmers visited the technology week	1	500	Related crop/livestock /technology
Betul	Animal health camp	1	50	Related crop/livestock /technology
Betul	Awareness programme	1	50	Related crop/livestock /technology
Betul	Demonstration	1	50	Related crop/livestock /technology
Betul	Exposure visit	1	50	Related crop/livestock /technology
Betul	Ex-trainees Meet	1	50	Related crop/livestock /technology
Betul	Farmer scientist interaction	1	50	Related crop/livestock /technology
Betul	Farmers Training	1	50	Related crop/livestock /technology
Betul	Gajarghans Unmulan Pakhwada	1	50	Related crop/livestock /technology
Betul	Group Meeting	1	50	Related crop/livestock /technology
Betul	Jai Kisan Jai Vigyan Sangoshthi	1	50	Related crop/livestock /technology
Betul	Plant Protection Week	1	50	Related crop/livestock /technology
Betul	Seed treatment campaign	1	50	Related crop/livestock /technology
Betul	Self Help Group convener meet	1	50	Related crop/livestock /technology
Betul	Soil health Camp	1	50	Related crop/livestock /technology

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Betul	Swachha Bharat Abhiyan	1	50	Related crop/livestock /technology
Betul	Others (Pl. Specify)	1	50	Related crop/livestock /technology

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Betul	-	-	-	-

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants
Betul	-	-	-

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Betul	2	100	100

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
KVK Betul	Green gram, Black gram, etc.	-	-	-

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Betul	Tomato, Brinjal, Chilli and cucurbits	-	-	-
Saplings				
Betul	Drumstick	-	-	-

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Betul	-	-	-	-

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Betul	-	-	-	-

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Betul	-	-	-	-

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Betul	-	-	-	-	-

Awareness campaign

Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
-	-	-	-	-	-	-	-	-	-	-	-

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village
Betul	1	1

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Varietal	Soyabean- Gram	5	-	-	-

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
5	200	100	10	310

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
3	150	30	3	183

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	Betul
TITLE	-
Introduction	-
KVK intervention	-
Output	-
Outcome	-
Impact	-

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Betul	6	6

3. KVK, Chhatarpur

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Chattarpur	16	1	1	6	3	3	1	6	4	16	9

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Dr. Veena Pani Shrivastava	Horticulture	Ph.D.	Horticulture	37,400-67,000, 9,000 G..P.	58500	01.03.2007	Gen
SMS/ Scientist 1	Dr. Rajeev Singh	Agronomy	. Ph.D.	Agronomy	15,600-39,100, -6000 G.P.	29,700	10.10.2017	Gen
SMS/ Scientist 2	Dr. Kamlesh Ahirwar	Horticulture	. Ph.D.	Horticulture	15,600-39,100, -6000 G.P.	22920	18.08.2017	SC
SMS/ Scientist 3	Dr. Niharika Shukla	Genetics and Plant Breeding	Ph.D.	Genetics and Plant Breeding	15,600-39,100, -6000 G.P.	21,600	29.09.2017	Gen
SMS/ Scientist 4	Vacant*							
SMS/ Scientist 5	Vacant*							
SMS/ Scientist 6	Vacant*							
Programme Assistant	Dr. Gyan Chandra Ojha	Genetics & Plant Breeding	Ph.D.	Genetics & Plant Breeding	9300--34800, 4200 G.P.	9300	28.01.2019	Gen
Farm Manager								
Computer Programmer								
Accountant /	Mr. Shafique		M.A.	Economics	9300--34800,	22590	27.11.2006	other

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
superintendent	Ahmad				4200 G.P.			
Stenographer	Ramayani Gurjar		B.A,	Hindi, Socio.Poli.	5,200— 20,200, 2400 G.P.	7,600	09.10.2018	OBC
Driver	Sheikh Wahid Mansoori		10 th		5,200- 20,200 1,900 G.P.	7,580	07.07.2008	other
Driver	Mr. Narendra Kumar Raikwar		10 th		5,200- 20,200 1,900 G.P.	9,940	02.08.2017	other
Supporting staff, if any								
Supporting staff, if any								

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Chhatarpur	Bundelkhand	08	13 Nagar Panchayat and 558 Gram Panchayat	17,62,857	64.9	18436	2,62,346	1.55 (ha)

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Chhatarpur	Singrawankalan	2017	Nowgong	7 KM	2650	2560
Chhatarpur	Chaukada	2015	Nowgong	15 KM	951	910
Chhatarpur	Chandandanpura,shahgars,Badagaon	2018	Bijawar	95 KM	580	70

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Chhatarpur	To facilitate the availability of seed of improved varieties of major crops (Soybean/Gram/Wheat/Black gram/Mustard)
Chhatarpur	Better input use management-INM, IPM, IDM
Chhatarpur	To motivate farmers towards the cultivation of Vegetables/ Spices/ Medicinal crops
Chhatarpur	Balance feeding of milch animal and health management
Chhatarpur	Need to organize Agri-based Vocational trainings for Self-employment of Rural Youth
Chhatarpur	Conservation of natural resources and use of Organic and Bio-fertilizer
Chhatarpur	To create awareness regarding post harvest losses during storage and value additions to Agro-products
Chhatarpur	Women empowerment through training and farm mechanization

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Chhatarpur	Low production due to degenerated seeds	Field Visit, Observation, Farmers feedback and Group discussion	Rakhwara, Chhatarpur
Chhatarpur	Sub Optimal dose of Fertilizer in wheat	Field Visit, Observation, Farmers feedback and Group discussion	Chandrapura ,Chaukhada, Pannapura
Chhatarpur	Attack of semi looper and girdle beetle in Soybean	Field Visit, Observation, Farmers feedback and Group discussion	Tutka, Pahadiheeraju
Chhatarpur	Poor management of weed infestation in wheat and soybean	Field Visit, Observation, Farmers feedback and Group discussion	Pannapura , Nandlalgoan , Buxwaha
Chhatarpur	Natural resources Depletion	Field Visit, Observation, Farmers feedback and Group discussion	Chaukhada,Chandpura, Badgaon, Sahgarh Dharampura,
Chhatarpur	Low milk production of milch Animal	Field Visit, Observation, Farmers feedback and Group discussion	Pannapura,Rakhwara
Chhatarpur	No use of ICT application in agriculture	Field Visit, Observation, Farmers feedback	Hirdepur,singhrawankala
Chhatarpur	Nutritional insecurities of farm families	Field Visit, Observation, Farmers feedback	Jagara, jara,
Chhatarpur	Low income of farm families through traditional farming	Field Visit, Observation, Farmers feedback	Kishangrad, Nowgong
Chhatarpur	Migration of rural youth	Interaction with rural folk, Farmers feedback	Pannapura, Bijawar

2. On Farm Testing (OFT)

2.1 Information about OFT:

Title of on-farm trial:	Assessment of bio- decomposer for decomposition of wheat /blackgram crop residues .
Year/Season:	Kharif 2020-20
Farming situation:	Rainfed
Problem diagnosis:	No use of bio decomposer and create pollution through burning of crop residue.
Thematic area:	Resource conservation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers Practices (Decomposition of crop residue in open heap)
T2 –Recommended Practice-	Decomposition of crop residue through bacterial base decomposer @ 500ml for one ton raw material
T3- Recommended Practice-	T ₂ + Bio decomposer @ 500 ml Bio decomposer (<i>Bacterial base</i>) and 500 ml Bio decomposer (<i>Fungal base</i>).
Date of sowing:	Round the year
Date of harvesting:	-
Source of technology:	JNKVV, Jabalpur 2016-17
Characteristics of technology:	Decomposition of crop residue within 45 days through Bio decomposer @ 500 ml Bio decomposer (<i>Bacterial base</i>) and 500 ml Bio decomposer (<i>Fungal base</i>) for one ton raw material against to the farmers Practices (Open heap and 150 days)
Name of Crop/Enterprises:	-
Recommendations for Farmers	Cont. III rd year
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of days are required for decm. Recovery %					
T2(Recommended Practice)						
T3(Recommended Practice)						

Information about OFT:

Title of on-farm trial:	Assessment of sowing method on Ridge & Furrow in Blackgram (Var. Sekhar-2) under Blackgram- Chickpea cropping system
Year/Season:	Kharif 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Blackgram yield gets affects from either excess rainfall or deficient rainfall
Thematic area:	NRM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers Practices (Broad casting)
T2 –Recommended Practice-	Sowing of blackgram by Ridge and furrow technique
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	CIAE, Bhopal 2005
Characteristics of technology:	The technology is more suitable in medium to heavy soils in plain topography.
Name of Crop/Enterprises:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Number of pods/plant Number of grains/pods Yield q/ha					
T2(Recommended Practice)						
T3(Recommended Practice)						

Information about OFT:

Title of on-farm trial:	Assessment of knowledge & adoption of soil health card based fertilizer application
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Poor knowledge about SHC recommendation
Thematic area:	SFM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	assessment
T1 – Farmers Practice-	Farmer practice (No adaptation of recommended doses of fertilizers as per STV/SHC)
T2 –Recommended Practice	Adoption of recommended dose of fertilizers as per STV/SHC
- T3- Recommended Practice-	-
Date of sowing:	Round the year
Date of harvesting:	-
Source of technology:	-
Characteristics of technology:	The primary data will be collected with the help of structured interview schedule by involving ready students and extension workers of the district, after collection the data, they will analyze statistically tested for as are a result.

Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Information about OFT:

Title of on-farm trial:	Assesment of balance dose of fertilizers along with seed treatment by micronutrient (Ammonium hepta molybdenum) in chick pea under Blackgram/Greengram- Chicpea cropping
Year/Season:	Rabi 2020-21
Farming situation:	Limited Irrigation
Problem diagnosis:	Low yield of chickpea due to imbalance/ indiscriminate use of fertilizers
Thematic area:	Crop Production Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers Practices (40 kg DAP/ha)
T2 –Recommended Practice-	Recommended dose of fertilizers N:P:K (20:60:20 kg/ha)
T3- Recommended Practice-	T ₂ + seed treated with Ammonium molybdenum @ 1g/kg seeds.
Date of sowing:	
Date of harvesting:	

Source of technology:	RVSKVV 2009-10
Characteristics of technology:	Balance dose of fertilizers N:P:K (20:60:20 kg/ha) along with seed treated with Ammonium hepta molybdenum @ 1g/kg seeds
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Information about OFT:

Title of on-farm trial:	Assessment of kadaknath in backyard poultry farming
Year/Season:	Around the year 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Low income from desi breed
Thematic area:	
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Rearing of local colour bird with egg as well as meat production
T2 –Recommended Practice-	Balance feeding, timely vaccination, handling of feeder and drinkers, and proper housing in low cost poultry sheds of size 10 X 12 feet for rearing 100 birds.
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	

Source of technology:	RVSKVV 2009-10
Characteristics of technology:	Yearly Egg production, Body weight of male bird at the marketing age of 5 months, Net return
Name of Crop/Enterprises:	Enterprises
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Number of chicks/unit (10)					
T2(Recommended Practice)						
T3(Recommended Practice)						

Information about OFT:

Title of on-farm trial:	Assessment of Azolla cultivation and feeding to dairy animals on milk production
Year/Season:	Around the year 2020-21
Farming situation:	Rainfed
Problem diagnosis:	low milk yield due to lack of protein rich fodder in dairy animal
Thematic area:	Feed management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers Practices (No cultivation and feeding of protein rich fodder to milch animals)
T2 –Recommended Practice-	Azolla cultivation can produce about one kg of supplemental feed per day per milch animals
T3- Recommended Practice-	-

Date of sowing:	
Date of harvesting:	
Source of technology:	NDRI 2004
Characteristics of technology:	2 X 1X0.18 LBD meter for Azolla cultivation can produce about one kg of supplemental feed per day. Application of about one kg of cow dung and 100 grams of super phosphate once in two weeks will ensure for better growth of Azolla.
Name of Crop/Enterprises:	Azolla
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk Yield/animal/day Reduce cost Rs./animal/day					
T2(Recommended Practice)						
T3(Recommended Practice)						

Information about OFT:

Title of on-farm trial:	Assessment of Zero tillage with appropriate herbicide (Clodinofof+Metsulfuron) in wheat crop
Year/Season:	Rabi 2020-21
Farming situation:	irrigated
Problem diagnosis:	Low yield of wheat due to heavy infestation wild oat and <i>Vacia sativa</i> of late sowing of Rice wheat cropping system and no use of appropriate herbicide
Thematic area:	Energy saving/conservation technology
No of trials:	05
No. of farmers involved	05

Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	T ₁ -Sowing with traditional methods (Field preparation with broad casting)
T2 –Recommended Practice-	T ₂ - Line sowing with appropriate herbicide Metsulfuron @ 20 g a.i. /ha
T3- Recommended Practice-	T ₃ - T ₂ With sowing zero tillage along with appropriate herbicide (Clodinofof +Metsulfuron) or trade name Vesta @ 400 g/ha
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV 2008-09
Characteristics of technology:	Time ,Water and labor saving and timely weed management
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Information about OFT: Is Conduct at Sigravankala Village

Title of on-farm trial:	Assessment of Onion variety in Kharif Season
Year/Season:	2020-21
Farming situation:	Rainfed

Problem diagnosis:	Low yield of Onion due use of old/traditional variety
Thematic area:	Varietal evaluation
No of trials:	06
No. of farmers involved	06(Migrants labours)
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Local
T2 –Recommended Practice-	AGFDR
T3- Recommended Practice-	L-883
Date of sowing:	
Date of harvesting:	
Source of technology:	NHRDF
Characteristics of technology:	High yielding
Name of Crop/Enterprises:	Onion
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Bulb weight					
T2(Recommended Practice)	Bulb weight					
T3(Recommended Practice)	Bulb weight					

Information about OFT: Is Conduct at Sigravankala Village

Title of on-farm trial:	Assessment of Nursery Management in Tomato
Year/Season:	2020-21
Farming situation:	Rainfed
Problem diagnosis:	Low income due to high mortality of seedlings in open field and improper management
Thematic area:	Nursery Management
No of trials:	07
No. of farmers involved	07(Migrants labours)
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Local
T2 –Recommended Practice-	Abhilash
T3- Recommended Practice-	PH-4
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IARI
Characteristics of technology:	High yielding
Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Number of fruits per plant					
T2(Recommended	Number of fruits					

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Practice)	per plant					
T3(Recommended Practice)	Number of fruits per plant					

Information about OFT: is Conduct at Sigravankala Village

Title of on-farm trial:	Assessment of Marigold variety (Pusa Narangi) for its production and remuneration over farm practices
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield of flower due to adaptation of old variety
Thematic area:	HOV
No of trials:	07
No. of farmers involved	07(Migrants labours)
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment/ refinement: assessment	
T1 – Farmers Practice-	Pusa Dweep
T2 –Recommended Practice-	Pusa Bahar
T3- Recommended Practice-	Pusa Narangi
Date of sowing:	
Date of harvesting:	
Source of technology:	IARI
Characteristics of technology:	High yielding var.
Name of Crop/Enterprises:	Marigold
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Information about OFT:

Title of on-farm trial:	Assessment of Tomato Production under drip and polythene mulching
Year/Season:	2020-21
Farming situation:	Rabi Irrigated
Problem diagnosis:	Low yield of tomato due to lack of moisture and heavy infestation of weed at early crop growth stage
Thematic area:	HOV
No of trials:	07
No. of farmers involved	
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Local
T2 –Recommended Practice-	Abhilash
T3- Recommended Practice-	PH-4
Date of sowing:	
Date of harvesting:	
Source of technology:	IARI
Characteristics of technology:	High yielding and diseases tolerant
Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	

Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Information about OFT:

Title of on-farm trial:	Assessment of improved variety of Soybean JS 20-34
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Poor adoption of Soybean crop in the area
Thematic area:	CPM
No of trials:	5
No. of farmers involved	
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety
T2 –Recommended Practice-	JS 20-34
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, Jabalpur, 2013
Characteristics of technology:	Extra early high yielding variety most suitable for low to medium rain fall,. It has shown multiple resistance

	against major diseases like charcoal rot, Rhizoctonia aerial blight, bacterial pustules, Alternaria leaf spot, collar rot , pod blight and Indian bud blight and insect pests like stem fly, girdle beetle and defoliators.
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No.of pods/plant,yield/ha					
T2(Recommended Practice)	No.of pods/plant					
T3(Recommended Practice)	No.of pods/plant					

Information about OFT:

Title of on-farm trial:	Assessment of sowing method on BBF/RF in Sesame(TKG-308) under Sesame-Chickpea cropping system
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield of Sesame due to water scarcity during flowering to capsule formation stage
Thematic area:	CPM
No of trials:	5
No. of farmers involved	5 (Migrants labours)
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Broadcasting

T2 –Recommended Practice-	Line sowing
T3- Recommended Practice-	R&F Sowing
Date of sowing:	-
Date of harvesting:	-
Source of technology:	CIAE, Bhopal 2005
Characteristics of technology:	The technology is more suitable in medium to heavy soils in plain topography.
Name of Crop/Enterprises:	Sesame
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No.of capsules/plant. yield/plant, yield/ha					
T2(Recommended Practice)	No.of capsules/plant. yield/plant					
T3(Recommended Practice)	No.of capsules/plant. yield/plant					

Information about OFT: is conduct at Sigravankala Village

Title of on-farm trial:	Assessment of bold seeded Kabuli channa variety JGK-5 under Sesame-Chickpea cropping system
Year/Season:	Rabi 2020-21
Farming situation:	Limited irrigation
Problem diagnosis:	Low yield of Kabuli channa due to unavailability of improved seeds

Thematic area:	CPM
No of trials:	5
No. of farmers involved	5 (Migrants labours)
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety
T2 –Recommended Practice-	JGK-5
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, Jabalpur,2015
Characteristics of technology:	Maturs in 100-110 days, high yielding (8-10q ha-1), Bold seeded like Kabuli channa with tolerant to diseases
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No.of Pods/plant, yield/ha					
T2(Recommended Practice)	No.of Pods/plant, yield/ha					
T3(Recommended Practice)						

Information about OFT:

Title of on-farm trial:	Assessment of nutritive improved variety of Wheat JW3382
Year/Season:	Rabi 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Low yield of Wheat and deficiency of Nutrient value
Thematic area:	CPM
No of trials:	5
No. of farmers involved	5 (Migrants labours)
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	WH 147
T2 –Recommended Practice-	-
T3- Recommended Practice-	JW 3382
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, Jabalpur, 2015
Characteristics of technology:	High yielding (59.75 q ha ⁻¹), multiple resistance and heat tolerant. Rich in Iron, zinc and protein and suitable for chapatti making.
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	--
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No.of spikelets per plant, spikelets per panicle,					

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	yield/ha					
T2(Recommended Practice)						
T3(Recommended Practice)	No.of spikelets per plant, spikelets per panicle, yield/ha					

Information about OFT:

Title of on-farm trial:	Assessment of Blackgram (var JU-3) under R&F in Blackgram-Chickpea cropping system
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield of Blackgram due to water scarcity during flowering to pod formation stage
Thematic area:	CPM
No of trials:	5
No. of farmers involved	5 (Migrants labours)
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Broadcasting
T2 –Recommended Practice-	Line sowing
T3- Recommended Practice-	R&F Sowing
Date of sowing:	-
Date of harvesting:	-
Source of technology:	CIAE, Bhopal 2005
Characteristics of technology:	The technology is more suitable in medium to heavy soils in plain topography.
Name of Crop/Enterprises:	Blackgram
Recommendations for Farmers	-

Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No.of pods per plant, yield/ha					
T2(Recommended Practice)	No.of pods per plant					
T3(Recommended Practice)	No.of pods per plant					

Information about OFT:

Title of on-farm trial:	Assessment of different weedicides in Blackgram(var.JU-3) in Blackgram-Chickpea cropping system
Year/Season:	Kharif 2020
Farming situation:	rainfed
Problem diagnosis:	Imazathapor +Pendimethalin in premix 1000gm/ha
Thematic area:	CPM
No of trials:	5
No. of farmers involved	5 (Migrants labours)
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Inappropriate method and dose of weedicide
T2 –Recommended Practice-	Imazathapor + Pendimethalin (premix) @ 1000gm/ha
T3- Recommended Practice-	-
Date of sowing:	-

Date of harvesting:	-
Source of technology:	Directorate of weed Research, 2016 Jabalpur
Characteristics of technology:	Management of weeds through Broad spectrum weedicide
Name of Crop/Enterprises:	Enterprise
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Weed density/m ² , yield/ha					
T2(Recommended Practice)	Weed density/m ² , yield/ha					
T3(Recommended Practice)	-					

Information about OFT:

Title of on-farm trial:	Assessment of varietal performance of Wheat variety JW 3382 under late sown condition
Year/Season:	Rabi 2020-21
Farming situation:	Limited irrigation
Problem diagnosis:	Low yield of Wheat crop due to adoption of old varieties by the farmers
Thematic area:	CPM
No of trials:	5
No. of farmers involved	5 (Migrants labours)
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety
T2 –Recommended Practice-	JW 3382
T3- Recommended Practice-	
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Maturs in 119days, high yielding (59.75 q ha ⁻¹), bold seeded, multiple resistance and heat tolerant.
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No.of. spikelets per plant, no.of spikelets per panicle, yield/ha					
T2(Recommended Practice)	No.of. spikelets per plant, no.of spikelets per panicle, yield/ha					
T3(Recommended Practice)						

Information about OFT:

Title of on-farm trial:	Assessment of weedicide Sulphosulphuron+metasulphuron application in Wheat crop.
Year/Season:	Rabi 2020-21
Farming situation:	Limited irrigation
Problem diagnosis:	Low yield of the wheat crop due to weed infestation during crop growth period
Thematic area:	CPM
No of trials:	5
No. of farmers involved	5 (Migrants labours)
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Inappropriate use of weedicide
T2 –Recommended Practice-	Sulphosulphuron+metasulphuron
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IIWBR,2012, Karnal Haryana
Characteristics of technology:	Management of all types of weeds
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Weed density /m ² , no.of					

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	tillers/plant					
T2(Recommended Practice)						
T3(Recommended Practice)						

2.2. Information about Extension OFT:

Title	
Season & Year	
Problem identified	
Thematic Area	
Farming situation	
Name of Technology under study	
Farmers Practice	
No. of replication (Farmers)	

Results / findings

Performance indicators/ parameters	Unit/ details

2.3. Information about Home Science OFT:

Title of on-farm trial:	
Year/Season:	
Problem diagnosis:	
Thematic area:	
No of trials:	

No. of farmers/farm women involved	
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
Source of technology:	
Characteristics of technology:	
Name of Crop/Enterprises:	
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

***Kindly use Unit as per the machine/implement/equipment used for drudgery reduction**

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

Is Conduct at Sigravankala Village

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha)
2020	Kharif	HOV	Demonstration of Papaya Variety (Red Lady) along with drip irrigation	Vegetable	Papaya	Red Lady	Rainfed	Completed	1.0
2020	Kharif	HOV	Demonstration of hybrid variety of Brinjal (PH-9) along with mulching under drip condition	Vegetable	Brinjal	PH-9	Rainfed	Completed	0.4
2020-21	kharif	NRM	Demonstration of sowing method of R&F in Groundnut (JL-3)	Oilseed	Groundnut	JL-3	Rainfed	ongoing	2.0
2020-21	kharif	CPM	Demonstration of Line sowing with improved variety in Sesame (TKG-22)	Oilseed	Sesame	TKG-22	Rainfed	ongoing	2.0
2020-21	Rabi	CPM	Demonstration of improved variety of Mustard RVM-2	Oilseed	Mustard	RVM-2	Rainfed	ongoing	2.0

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha)
2020-21	Rabi	CPM	Demonstration of Heat Tolerant variety of Chickpea JG-14	Pulse	Chickpea	JG-14	Limited Irrigation	ongoing	2.0
2020-21	Rabi	CPM	Demonstration of improved package of practices of Chickpea variety JGK-5	Pulse	Chickpea	JGK-5	Limited irrigation	-	2.0
2020-21	Rabi	CPM	Package Demonstration of improved mustard variety PM 30/RH 0749	Oilseed	mustard	PM-30/RH 0749	rainfed	-	20
2020-21	kharif	CPM	Demonstration of insitu moisture conservation (BBF&R/F) practices in Blackgram and Linseeds	Pulses	Blackgram/Linseed	IPU2-43	rainfed	-	2.5
2020-21	kharif	NRM	Demonstration of waste decomposer to manage crop residue	Enterprise	-	-	Around the year	-	24.0
2020-21	Rabi	CPM	Demonstration of drought	Cereal	Wheat	JW 3288	rainfed		8.0

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha)
			tolerant limited irrigation wheat varieties						
2020-21	Rabi	CPM	Demonstration of drought /heat tolerant Chickpea varieties	Pulses	Chickpea	JG/14/JG12	rainfed		8.0

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop - Area (ha) / Entr ep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop - Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.9 Information about Home Science FLDs - (For All Thematic Area)

year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-20	Kharif	Nutritional Security	Regular supply of Nutritious vegetable	Kitchen garden PKT	Kitchen garden PKT from IIVR Varanasi	100								100

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)						Anthropometric measurements							
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m))))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks
Sesame	Input distribution ,training and			
Wheat	Training			
Mustard	Input distribution ,training and CD show			
Chickpea	Input distribution ,training and			
Greengram	Input distribution ,training and CD show			
Groundnut	Distribution of weedicide, methods demonstration and Training			
Tomato	Training			
Brinjal	Training			
Marigold	Training			
Vermicompost	Methods demonstration and Training			

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Chhatarpur	Need to emphasize use of seed drill when sowing started
Chhatarpur	Improved varieties of crops
Chhatarpur	Resource conservation technologies
Chhatarpur	Use of Short duration varieties
Chhatarpur	Use of Resistant and tolerant varieties

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/ FW)	Training Type (ONC /OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
PF	ONC	Crop Production	Weed Management	Spray technique, calculation and method of herbicide application in wheat crop.		2								22
F	OFC	Crop Production	Weed Management	Use of appropriate weedicide of Imazathapyr +Quizalofop ethyl to manage of weeds in groundnut crop		2								25
F	OFC	Crop Production	Weed Management	Maximization of weed control through application of weedicide at suitable time,methods,, source and suitable dose .		2								20
F	OFC	Crop Production	Weed Management	Safe application of weedicide in the field		2								22
F	OFC	Crop Production	Weed Management	Safe application of insecticides in the field		2								23
F	OFC	Crop Production	Resource Conservation Technologies	Importance of in situ mulching of weeds in blackgram/Pigeonpea		2								25
FW	ONC	Crop Production	Cropping Systems	Maximum utilization of given or available resource by Intercropping		2								25
FW	ONC	Crop Production	Crop Diversification	Production technique of Zaid crops		2								20
F	OFC	Crop Production	Crop Diversification	Varietal replacement for reduce the risk and maximize the production		2								22
F	OFC	Crop Production	Integrated Farming	Integrated farming system approaches for increasing famers income		2								23
F	ONC	Crop Production	Micro irrigation/irrigation	Sprinkler irrigation in wheat crop		2								25

Category (F & FW/ FW)	Training Type (ONC /OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F	ONC	Crop Production	Seed production	Seed production technique		2								20
F	OFC	Crop Production	Seed production	Importance of quality seed		2								22
F	OFC	Crop Production	Seed production	Methods demonstration of seed sampling and germination test		2								25
F	OFC	Crop Production	Seed production	Quality seed production on various crops		2								25
F	OFC	Crop Production	Seed production	Seeds processing and seed storage		2								25
F	OFC	Crop Production	Seed production	Seed treatment and its application		2								25
F	OFC	Crop Production	Seed production	Quality seed testing		2								25
F	OFC	Crop Production	Seed production	Protection of Plant variety and farmers right act		2								25
F	OFC	Crop Production	Seed production	Awareness programme on climate resilient crops in Bundelkhand region		2								25
F	OFC	Crop Production	Seed production	Production techniques in rabi and Kharif crops		2								25
F	OFC	Crop Production	Seed production	Use of biofortified crops in daily diet		2								25
F	OFC	Crop Production	Seed production	Application of various tools and machineries		2								23
F	ONC	Crop Production	Seed production	Hands on Nutrition Garden preparation in rural Area		2								25
F	ONC	Crop Production	Seed production	Training on Improve techniques for production of Vermi compost and Vermivash		2								20
F	ONC	Crop Production	Seed production	Application of agrochemicals and safety measures		2								20
F	ONC	Crop Production	Seed production	Training organic seed production in		2								20

Category (F & FW/ FW)	Training Type (ONC /OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				cereals and pulses										
F	ONC	Crop Production	Seed production	Hands on summer deep ploughing		2								25
F	ONC	Crop Production	Seed production	Techniques involved in use of Biofertilizers in different crops		2								20
F	ONC	Crop Production	Seed production	Drumstick based multilayer farming		2								20
F	OFC	Crop Production	Seed production	Training on various methods of fertilizer application		2								20
F	OFC	Crop Production	Seed production	Awareness of Biofortified crops in rural areas										20
F	OFC	Crop Production	Seed production	Agronomic practices in seasonal crops										25
F	OFC	Crop Production	Seed production	Awareness Programme for climatic resilient agriculture										25
F	OFC	Crop Production	Nursery management											20
FW & F	ONC	Crop Production	Integrated Crop Management	Enhance the production of Chickpea through varietal replacement.										25
FW & F	ONC	Crop Production	Integrated Crop Management	Production Technique of Chickpea										25
FW & F	ONC/ OFC	Crop Production	Integrated Crop Management	Advance production technique of Mustard										20
FW & F	ONC/ OFC	Crop Production	Integrated Crop Management	Production technique of Field pea										25
F	ONC	Crop Production	Soil & water conservation	Importance of soil and water conservation in agriculture										25
FW	ONC	Crop Production	Integrated nutrient Management	Importance of balance dose of fertilizer in pulse crop.										25
F	OFC	Crop Production	Integrated nutrient	Importance of balance dose of										25

Category (F & FW/ FW)	Training Type (ONC /OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
			Management	fertilizers in pulse crop.										
F	OFC	Crop Production	Integrated nutrient Management	Preventive measure against the frost injury during winter season										20
F	OFC	Crop Production	Integrated nutrient Management	Production technique of wheat and barley										25
F	ONC	Crop Production	Integrated nutrient Management	Nutrient Management through Soil Health card										20
F	OFC	Crop Production	Production of organic inputs	Preparation of organic manure through crop residue										25
F	ONC	Crop Production	Production of organic inputs	Vermi Composting										25
F	OFC	Crop Production	Others(Pl. Specify) Fodder production	Advance production technique of fodder for around the year.										20
F	OFC	Crop Production	Calculation of fertilizers	Calculation and application of fertilizers as per STV value										25
F	OFC	Crop Production	Calculation of fertilizers	Methods of fertilizers calculation as per STV value										25
F	OFC	Crop Production	Soil Sampling	Soil Sampling										22
F	ONC	Horticulture (Vegetable Crops)	Production of low volume and high value crops	Production technique of Onion										25
F	ONC	Horticulture (Vegetable Crops)	Off season vegetables	Production technique of cucumber in Net house										25
F	ONC	Horticulture (Vegetable Crops)	Nursery raising	Advance nursery raising technique										20
F	ONC	Horticulture (Vegetable	Exotic vegetables	Training in Cool season vegetable cultivation										20

Category (F & FW/ FW)	Training Type (ONC /OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Crops)												
F	ONC	Horticulture (Vegetable Crops)	Export potential vegetables											25
F	ONC	Horticulture (Vegetable Crops)	Grading and standardization	Production technique of tomato										25
F	OFC	Horticulture (Vegetable Crops)	Grading and standardization	Production technique of Brinjal										25
F	ONC	Horticulture (Vegetable Crops)	Grading and standardization	Production technique of Okra										20
F	OFC	Horticulture (Vegetable Crops)	Protective cultivation	Vegetable production under Green net house										20
F	OFC	Horticulture (Vegetable Crops)	Protective cultivation	Off season vegetable production under poly house										25
F	OFC	Horticulture (Vegetable Crops)	Others(Pl. Specify)											25
F	ONC	Horticulture (Fruits)	Training and Pruning	Training pruning of meadow orchard of Guava										25
F	ONC	Horticulture (Fruits)	Layout and Management of Orchards											20
F	ONC	Horticulture (Fruits)	Cultivation of Fruit											20

Category (F & FW/ FW)	Training Type (ONC /OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F	OFC	Horticulture (Fruits)	Management of young plants/orchards	Water and Nutrients management of Young fruits plant										25
F	OFC	Horticulture (Fruits)	Rejuvenation of old orchards	Training in old mango orchard										25
F	OFC	Horticulture (Fruits)	Export potential fruits											20
F	OFC	Horticulture (Fruits)	Micro irrigation systems of orchards	Training In drip irrigation system at orchard										20
F	OFC	Horticulture (Ornamental Plants)	Nursery Management	Nursery Management of Fuits plants										25
F	OFC	Horticulture (Ornamental Plants)	Propagation techniques of Ornamental Plants	Training in type of propagation at orchard										20
F	OFC	Horticulture(Spices)	Production and Management technology	Training in spices cultivation crops										20
F	OFC	Horticulture(Medicinal and Aromatic Plants)	Nursery management	Nursery Management of medicinal plants										20
F	OFC	Horticulture(Medicinal and Aromatic Plants)	Post harvest technology and value addition	Training in PHM at vegetables and fruit plants										20
F	OFC	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Management of Micronutrients in vegetable crops										20
F	ONC	Soil Health and Fertility Management	Nutrient Use Efficiency	How can Increase NUE										20

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Nursery Management of Horticulture crops	Nursery Management in vegetable and fruits plants	1	7								15
RY		Training and pruning of orchards											
RY		Protected cultivation of vegetable crops											
RY		Commercial fruit production											
RY		Integrated farming											
RY		Seed production											
RY		Production of organic inputs											
RY		Planting material production											
RY		Vermi culture											
RY		Mushroom Production											
RY		Bee keeping											
RY		Sericulture											
RY		Repair and maintenance of farm machinery and implements											
RY		Value addition											
RY		Small scale processing											
RY		Post Harvest Technology											
RY		Tailoring and Stitching											
RY		Rural Crafts											
RY		Production of quality animal products											

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Dairying											
RY		Sheep and goat rearing											
RY		Quail farming											
RY		Piggery											
RY		Rabbit farming											
RY		Poultry production											
RY		Ornamental fisheries											
RY		Composite fish culture											
RY		Freshwater prawn culture											
RY		Shrimp farming											
RY		Pearl culture											
RY		Cold water fisheries											
RY		Fish harvest and processing technology											
RY		Fry and fingerling rearing											
RY		Others(Pl. Specify)											

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS	ONC		Productivity enhancement in field crops	1	2								15
IS	ONC		Integrated Pest Management	1	2								15
IS	ONC		Integrated Nutrient management	1	2								15

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS	ONC		Rejuvenation of old orchards	1	2								20
IS	ONC		Protected cultivation technology	1	2								15
IS	ONC		Production and use of organic inputs	1	2								15
IS	ONC		Care and maintenance of farm machinery and implements	1	2								15
IS	ONC		Gender mainstreaming through SHGs	1	2								20
IS	ONC		Formation and Management of SHGs	1	2								20
IS	ONC		Women and Child care	1	2								20
IS	ONC		Low cost and nutrient efficient diet designing	1	2								15
IS	ONC		Group Dynamics and farmers organization	1	2								15
IS	ONC		Information networking among farmers	1	2								15
IS	ONC		Capacity building for ICT application	1	2								15
IS	ONC		Management in farm animals	1	2								15
IS	ONC		Livestock feed and fodder production	1	2								20
IS	ONC		Household food security	1	2								20
IS	ONC		Others (Pl. Specify)										20

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Traini ng title	Name of Crop / Enterpri se	Identifi ed Thrust Area	No of Cours es	Durati on of trainin g (days)	Number of Beneficiaries							
							Gen		SC		ST		Other s	
							M	F	M	F	M	F	M	F
Crop production and management	Commercial floriculture													
Crop production and management	Commercial fruit production													
Crop production and management	Commercial vegetable production													
Crop production and management	Integrated crop management													
Crop production and management	Organic farming													
Crop production and management	Others(Pl. Specify)													
Post harvest technology and value addition	Value addition													
Post harvest technology and value addition	Others(Pl. Specify)													
Livestock and fisheries	Dairy farming													
Livestock and fisheries	Composite fish culture													
Livestock and fisheries	Sheep and goat rearing													
Livestock and fisheries	Piggery													
Livestock and fisheries	Poultry farming													
Livestock and fisheries	Others(Pl. Specify)													
Income generation	Vermi-composting													

Thematic Area	Sub Theme	Traini ng title	Name of Crop / Enterpri se	Identifi ed Thrust Area	No of Cours es	Durati on of trainin g (days)	Number of Beneficiaries							
							Gen		SC		ST		Other s	
							M	F	M	F	M	F	M	F
activities														
Income generation activities	Production of bio-agents, bio-pesticides,													
Income generation activities	Bio-fertilizers etc.													
Income generation activities	Repair and maintenance of farm machinery & implements													
Income generation activities	Rural Crafts													
Income generation activities	Seed production													
Income generation activities	Sericulture													
Income generation activities	Mushroom cultivation													
Income generation activities	Nursery, grafting etc.													
Income generation activities	Tailoring, stitching, embroidery, dying etc.													
Income generation activities	Agril. para0workers, para0vet training													
Income generation activities	Others(Pl. Specify)													
Agricultural Extension	Capacity building and group dynamics													
Agricultural Extension	Others(Pl. Specify)													

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Titl e	Thematic area	Sub-theme	Traini ng Title	Durati on (days)	No. of cours es	No. of Participants								Sponsor ing Agency	Fund receiv ed for traini ng (Rs.)
							Gen		Oth		SC		ST			
							M	F	M	F	M	F	M	F		
		Crop production and management	Increasing production and productivity of crops													
		Crop production and management	Commercial production of vegetables													
		Crop production and management	Production and value addition													
		Crop production and management	Fruit Plants													
		Crop production and management	Ornamental plants													
		Crop production and management	Spices crops													
		Crop production and management	Soil health and fertility management													
		Crop production and management	Production of Inputs at site													
		Crop production and management	Methods of protective cultivation													
		Crop production and management	Others(Pl. Specify)													
		Post harvest technology and value addition	Processing and value addition													
		Post harvest technology and value addition	Others(Pl. Specify)													
		Farm machinery	Farm machinery, tools and													

Client (F &FW/F W/ RY/ IS)	Titl e	Thematic area	Sub-theme	Traini ng Title	Durati on (days)	No. of cours es	No. of Participants								Sponsor ing Agency	Fund receiv ed for traini ng (Rs.)
							Gen		Oth		SC		ST			
							M	F	M	F	M	F	M	F		
			implements													
		Farm machinery	Others(Pl. Specify)													
		Livestock and fisheries	Livestock production and management													
		Livestock and fisheries	Animal Nutrition Management													
		Livestock and fisheries	Animal Disease Management													
		Livestock and fisheries	Fisheries Nutrition													
		Livestock and fisheries	Fisheries Management													
		Livestock and fisheries	Others(Pl. Specify)													
		Home Science	Household nutritional security													
		Home Science	Economic empowerment of women													
		Home Science	Drudgery reduction of women													
		Home Science	Others(Pl. Specify)													
		Agricultural Extension	Capacity Building and Group Dynamics													
		Agricultural Extension	Others(Pl. Specify)													

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening		
Design and development of low/minimum cost diet		
Designing and development for high nutrient efficiency diet		
Minimization of nutrient loss in processing		
Processing and cooking		
Gender mainstreaming through SHGs		
Storage loss minimization techniques		
Value addition		
Women empowerment		
Location specific drudgery reduction technologies		
Rural Crafts		
Women and child care		
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture		

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Crop Production		
Horticulture		

Area of Training	Jan-Dec-2020	
	Courses	Participants
Soil Health and Fertility Management		
Livestock Production and Management		
Agril. Engineering		
Plant Protection		
Fisheries		
Production of Input at site		
Capacity Building and Group Dynamics		
Agro forestry		

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Advance production technique of Wheat crops	20									
Production technique of Sesame crop	20									
Production technique of Groundnut crop	30									

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Importance of seed treatment in various field crops	25									
Production technique of Field pea crop	30									
Importance of quality seed production	20									

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.)								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic	05												
Animal Health Camp	05												
Awareness programme	05												
Celebration of important days	15												
Diagnostic visits	2												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.)								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Exhibition	1												
Exposure visits													
Ex-trainees Sammelan	16												
Farm advisory Services	80												
Farmers visit to KVK	08												
Field Day	01												
Group meetings	5												
Kisan Ghosthi/Sammelan	2												
Kisan Mela	1												
Krishi Mahotsav	25												
Lectures delivered as resource persons													
Mahila Mandals conveners meetings	02												
Method Demonstrations													
Pradhanmantri phasal beema yojana	12												
Scientific visit to farmers field	22												
Self Help Group conveners meetings	04												
Soil health Camp	05												
Soil test campaigns	-												
Technology Week	1												
Radio talks	4												
Extension literature	4												
TV talks	2												
Newspaper coverage	10												
Film Show	25												
Others													

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	05			
TV talks	01			
Newspaper coverage	20			
Internet (Youtube)	03			
Social media (Whats App, Facebook, Instagram, Twitter etc.)				

7. Literature Developed/Published**7.1 KVK Newsletters (Jan to Dec. 2020)**

Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
January to March 2020	Q1	1000	1000	Farmers and block level officers
April to June 2020	Q2	1000	1000	Farmers and block level officers
July to September 2020	Q3	1000	1000	Farmers and block level officers
October to December 2020	Q4	1000	1000	Farmers and block level officers

7.2 Literature developed/published

KVK Name	Type	Number of copies
Chhattarpur	Abstract	5
Chhattarpur	Book	2
Chhattarpur	Book Chapter	2
Chhattarpur	Booklet	2
Chhattarpur	Leaflets/ Folder/ Pamphlet	5
Chhattarpur	Popular article	5
Chhattarpur	Technical Bulletin	03
Chhattarpur	Training Manual	1
Chhattarpur	Technical Report	02
Chhattarpur	Year Planner	35
Chhattarpur	Others (pl. specify)	-

Research paper /Review paper published during Jan to Dec. 2020

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
Chhattarpur					

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Chattarpur			

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Chattarpur	Breeder seed	Sesame Blackgram	TKG 308 IPU 2-43				
Chattarpur	Breeder seed	Wheat Chickpea Linseed	JW 3288 JG 12 JLS 73				

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Chhattarpur	Farmers	Tomato, Brinjal and marigold					

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

* Name of product should follow same pattern

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost					
	Azolla					
	Earthworms					
	Compost					
	Blue green algae					
	NADEP					
	Sanjeevani Khad					
	Acetobacter					
	Aspergillus					
	Azotobacter					
	Azospirillum					
	Phosphate solubilizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					
Bio-Food	Spirulina					
	Honey					
	Any Other (pl. sp.)					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Pesticides	Neem extract					
	Neem powder					
	Tobacco extract					
	Trichoderma viride					
	Trichoderma harjinum					
	Trichogramma chilonis					
	Beauveria bassiana					
	Metarhizium anisopliae					
	Pseudomonas fluorescens					
	SINPV					
	HaNPV					
	GF1					
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea					
	Tricho card					
	Any other (Pl. Specify)					
Bio Agents (Pyrilla parasitoids)	Ooencyrtus papilionis					
	Epiricania melanolauca					
Bio Agents(Worms)	Assinia foetida					
	Eudrilus eugeniae					
	Euclnia Uginae					
	Eisenia foetida					
	Earth worm					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Any other (pl. specify)					
Others	Mushroom spawn					
	Mineral Mixture					
	Cow dung (dry)					
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow						
	Calves						
	Goats						
	Buffaloes						
	Sheep						
	Breeding bull						
	Other (pl specify)						
Poultry	Poultry						
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
	Other						
Piggery	Piglets						
	Boar						
	Sow						
	Other (pl specify)						
Fisheries	Indian carp						

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
	Exotic carp						
	Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villag es cover ed	Amou nt realiz ed	Soil health card distributed to the farmers by KVK (Nos)	
	Sanction ed	Procur ed	Collect ed by KVKs	Provid ed by Dept./ DDA	by KVKs		By Departm ent	By KVK		By Departm ent			Throu gh Mini Soil Testin g kit	Throu gh Soil testing laborat ory
Yes	1000		1000		Mini Soil Testi ng kit	Soil testing laborat ory		Mini Soil Testi ng kit	Soil testing laborat ory				1000	

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								Total
				SC		ST		Other		General		
				Male	Female	Male	Female	Male	Female	Male	Female	

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Chhatarpur					

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Chhatarpur	2005	2005	6	Nil	-

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Chhatarpur	700	50	02	752

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology					
		Integrated Farming					
		Field Preparation					
		Any Other (Specify)					
2	Weather	Advisory					
		Change in variety					
		Change in Sowing technique					
		Climate forecast					
		Any Other (Specify)					
3	Soil Management	Soil Testing					
		INM					
		Fertilizer Application					
		Vermicomposting/ bio-waste recycling					
		Bio-fertilizer					
		Any Other (Specify)					
4	Disease & Pest Management	Disease Management					
		Pest Management					
		Preventive Advisory Disease Management					
		Preventive Advisory Pest Management					
		Bio-pesticides					
		Any Other (Specify)					
5	Nutrition	Nutrition Awareness					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
	Security & Women Empowerment	Kitchen garden					
		Value Addition and Processing					
		Drudgery Reduction					
		Entrepreneurship & Income Generation					
		Advisory					
		Any Other (Specify)					
6	Horticulture	Vegetable					
		Fruit					
		Hi Tech Horticulture					
		Any Other (Specify)					
7	Livestock	Feed and Fodder					
		Dairy Management					
		Fisheries					
		Poultry Management					
		Vaccination & Disease management					
		Any Other(Specify)					
8	Farm Mechanization						
9	Extension						
10	Organic Farming						
11	Marketing						
12	Awareness						
13	Other Enterprise						
14	Any Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/ National)	Awarding Organizations	Amount received

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
Kharif-2019				
Rabi-2019-2020				

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1.	Chhatarpur	Baburam Prajapati	Honey Production- a source of additional income"	Baburam Prajapati Village - Deri Road Chhatarpur District – Chhatarpur (M.P.)	7089254813
2.	Chhatarpur	Salim Khan	Integrated farming System	Salim Khan Village - Nowgong District – Chhatarpur (M.P.)	9826222561
3.	Chhatarpur	Dr.Suman Das	Integrated Farming System and Rearing of Kadaknath	Dr.Suman das Ranefall Block –Rajnagar District.- Chhatarpur	9630592929
4.	Chhatarpur	Mr. Saurabh harsh Bhatnagar	Recycling of west material (Vermi compost)	Mr.Saurabh harsh Bhatnagar Near-SBI, AliganjMuhalla, Ward No.-4 Block- Bijawar District.- Chhatarpur	9993480948

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive

Intensive- OFTS, FLDS etc ; **Extensive-** Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*

26. KVK Ring

S. No.	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
1	Panna	Technology			
2	Tikamgarh	Technology			
3.	Damoh	Technology			

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks

28. Status of KVK Website during Jan to Dec. 2020

S.No.	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
1.	Chhatarpur	nil		

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Chhatarpur			02	

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Chhatarpur	Gosthies	02	125	
Chhatarpur	Lectures organized			
Chhatarpur	Exhibition	04	275	
Chhatarpur	Film show	05	Mass	
Chhatarpur	Fair			
Chhatarpur	Farm/ Field Visit	10	82	
Chhatarpur	Diagnostic Practical's	3	13	
Chhatarpur	Distribution of Literature (No.)	05	225	
Chhatarpur	Distribution of Seed (q)			
Chhatarpur	Distribution of Planting materials (No.)			
Chhatarpur	Bio Product distribution (Kg)			
Chhatarpur	Distribution of Bio Fertilizers (q)			
Chhatarpur	Distribution of fingerlings			
Chhatarpur	Distribution of Livestock specimen (No.)			
Chhatarpur	Total number of farmers visited the technology week			
Chhatarpur	Animal health camp	02	15	
Chhatarpur	Awareness programme	15	100	
Chhatarpur	Demonstration	10	535	
Chhatarpur	Exposure visit			
Chhatarpur	Ex-trainees Meet			
Chhatarpur	Farmer scientist interaction	01	33	
Chhatarpur	Farmers Training	39	300	
Chhatarpur	Gajarghans Unmulan Pakhwada			
Chhatarpur	Group Meeting	02	65	
Chhatarpur	Jai Kisan Jai Vigyan Sangoshthi			
Chhatarpur	Plant Protection Week			
Chhatarpur	Seed treatment campaign			
Chhatarpur	Self Help Group convener meet			
Chhatarpur	Soil health Camp	01	28	

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Chhatarpur	Swachha Bharat Abhiyan	19	853	
Chhatarpur	Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Chhatarpur	03	25	15

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Chhatarpur	Tomato and Brinjal	2000	500 m ²	20
Saplings				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Chatarpur	Trichoderma	0.05	20	50

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Chhatarpur	Biofertilizers PSB, KSB and Rhizobium	5.67	212	500

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Chhatarpur	-		Recycling of west material by West decomposer	Distribution of digester of 300 farmers for decomposition of west material in NADEP Under KKA-I	4700 bottle

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Chhatarpur	15	500	02	110	02	33	-	-	04	275	03	Mass

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies

4. KVK, Chhindwara-I

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	23	125			
FLDs – Oilseeds (activity in ha)	2(6.2)	15			
FLDs – Pulses (activity in ha)	1(5.2)	13			
FLDs – Cotton (activity in ha)	1(5.2)	13			
FLDs – Other than Oilseed and pulse crops(activity in ha)	7(6.6)	35			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	2	15			
Training-Farmers and farm women	84	1860			
Training-Rural youths	19	450			
Training- Extension functionaries	06	135			
Extension Activities	29	Mass			
Seed Production (Number of activity as seeds in quintal)	-	-			
Planting material ((Number of activity as quantity of planting material in quintal)	-	-			
Seedling Production (Number of activity as number of seedlings in numbers)	3	5500			
Sapling Production (Number of activity as number of sapling in numbers)	-	-			
Other Bio- products (No. of quantity)	-	-			
Live stock products	-	-			
Activities of Soil and Water Testing Laboratory	1	480			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	48	100000			
SAC Meeting (Date & no. of core/ official members)	2	50			
Literature to be Developed/Published	40	5500			
Convergence programmes / Sponsored programmes	-	-			
Utilization of Farmers Hostel	-	800			
Utilization of Staff Quarters	-	06			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Details of KVK Agro-technological Park	-	-			
Crop Cafeteria-	36	16520			
Farm Innovators- list of 10 farm innovators from the District	1	11			
Status of Revolving Funds	-	-			
Awards and Recognitions	-	-			
Case study / Success Story to be developed	2	2			
KVK Progressive Farmers interaction	1	40			
Outreach of KVK in the District (No. of blocks, no. of villages)	11,1115	5000			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	-	-			
Important visitors to KVK	-	-			
Status of KVK Website	-	-			
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	-	-			
Interventions on Drought Mitigation	-	-			
Sansad Adarsh Gram	-	-			
Other Activities	-	-			

1. GENERAL INFORMATION

1.1. Staff Position (as on date 20.01.2020)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Chhindwara	16	1	1	6	4	3	3	6	3	16	11

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Dr. Surendra Pannase	Agronomy	Ph. D	Agronomy	37400 - 67000 + 10000 GP	73380	01.01.2009	OBC
SMS/ Scientist 1	Sh. P. L. Ambulkar	Plant Protection	M. Sc.	Entomology	15600 – 39100 + 7000 GP	30850	21.09.2017	SC
SMS/ Scientist 2	Dr. D.C. Shrivastava	Food Science	Ph. D	Food Science	15600 – 39100 + 7000 GP	28480	24.08.2018	OBC
SMS/ Scientist 3	Dr. R. K. Jhade	Horticulture	Ph. D.	Fruit Science	15600 – 39100 + 6000 GP	21600	18.08.2017	OBC
SMS/ Scientist 4	Dr. Sarita Singh	Agril. Ext	Ph. D.	Agril. Ext.	15600 – 39100 + 6000 GP	21600	28.09.2017	Gen.
SMS/ Scientist 5	Vacant	-	-	-	-	-	-	-
SMS/ Scientist 6	Vacant	-	-	-	-	-	-	-
Computer Programmer	Sh. Nitesh K. Gupta	Computer Science	M. Sc.	Computer Sc.	Level10, Index 10	60900	14.08.2008	Gen.
Programme Assistant	Sh. Sunderlal Alawa	Agril. Ext.	M. Sc.	Agril. Ext.	Level10, Index 06	54100	20.11.2012	ST
Farm Manager	Smt. Chanchal Bhargava	PB&G	M. Sc.	PB&G	Level10, Index 01	42700	11.02.2019	Gen.
Programme Assistant *Attached from KVK-II Tamia	Dr. S. K. Ahirwar	Agronomy	Ph. D.	Agronomy	Level10, Index 06	54100	19.11.2015	SC
Accountant / superintendent	Smt. Madhu Jaiswal	Asstt. Gr.II	M. Com.	-	Level 08, Index16	49500	23.10.1984	OBC
Stenographer	Vacant	-	-	-	-	-	-	-
Driver	Sh. B.L. Shukla	Driver	B.A.	-	Level 04, Index08	27800	10.07.2008	Gen.
Driver	Sh. S. K. Vishwakarma	Driver	12 th	-	Level 04, Index08	27800	26.06.2019	OBC
Supporting staff	Vacant	-	-	-	-	-	-	-
Supporting staff	Vacant	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Chhindwara	Satpura plateau	11	784	2090922	1294198 (71.16%)	891335	1032938	2.80 ha

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Chhindwara	Thuepani	2020	Bichhua	65 Km.	1200	350
Chhindwara	Rajna	2020	Chhindwara	30 Km.	760	488
Chhindwara	Godhara	2020	Chhindwara	25 Km.	750	602
Chhindwara	Umreth	2020	Parasia	35 Km.	6885	1486
Chhindwara	Tansara	2020	Mohkhed	33 Km.	960	370
Chhindwara	Chhindi	2020	Tamia	82 Km.	1731	431
Chhindwara	Sidholi	2020	Tamia	78 Km.	822	167
Chhindwara	Hiwra	2020	Sausar	61 Km.	723	241
Chhindwara	Nimni	2020	Sausar	58 Km.	1842	357
Chhindwara	Khedi	2020	Pandhurna	98 Km.	970	124
Chhindwara	Sayra	2020	Sausar	66 Km.	1430	64
Chhindwara	Tigaon	2020	Pandhurna	112 Km.	10112	2000

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Chhindwara	Cropping System & Plant Disease Management
Chhindwara	Cropping System & Integrated Pest Management
Chhindwara	Cropping System & Drudgery reduction
Chhindwara	Cropping System, Drudgery reduction & Weed control
Chhindwara	Value addition & processing and marketing
Chhindwara	Awareness
Chhindwara	Plant Disease Management
Chhindwara	Cropping System
Chhindwara	Cropping System & Integrated Nutrient Management
Chhindwara	Micro Irrigation
Chhindwara	Drainage System
Chhindwara	Fodder Management

KVK Name	THRUST AREA
Chhindwara	Cropping System & Integrated Nutrient Management
Chhindwara	Farm Machinery
Chhindwara	Fodder Management

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block	
			Village	Block
Chhindwara	Pest infestation	Participatory Rural Appraisal	Rajna Godhara Umreth Palamau Temnikhurd Gaildubba Chhindi Hiwra Nimni Borgaon Khedhi Tigaon	Chhindwara Chhindwara Parasia Mohkhed Mohkhed Tamia Tamia Sausar Sausar Sausar Pandhurna Pandhurna
Chhindwara	Insect infestation	Participatory Rural Appraisal		
Chhindwara	Low yield	Participatory Rural Appraisal		
Chhindwara	Disease infestation	Participatory Rural Appraisal		
Chhindwara	Low productivity	Participatory Rural Appraisal		
Chhindwara	Lack of income generation activities	Participatory Rural Appraisal		
Chhindwara	Malnutrition	Participatory Rural Appraisal		
Chhindwara	Much time and energy expended by farm women in agricultural work i.e. intercultural operations	Participatory Rural Appraisal		
Chhindwara	Non availability of technical know-how in critical time	Participatory Rural Appraisal		
Chhindwara	Poor survival of nursery	Participatory Rural Appraisal	Umreth Palamau Temnikhurd Gaildubba Chhindi Hiwra Nimni Borgaon Tigaon	Parasia Mohkhed Mohkhed Tamia Tamia Sausar Sausar Sausar Pandhurna

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block	
			Village	Block
Chhindwara	Perishability of fruits and vegetables	Participatory Rural Appraisal	Rajna Godhara Umreth Palamau Temnikhurd Khedi Tigaon	Chhindwara Chhindwara Parasia Mohkhed Mohkhed Pandhurna Pandhurna
Chhindwara	Low yield due to imbalance use of nutrients	Participatory Rural Appraisal	Rajna Godhara Umreth Palamau Temnikhurd Hiwra Nimni Borgaon Khedi Tigaon	Chhindwara Chhindwara Parasia Mohkhed Mohkhed Sausar Sausar Sausar Pandhurna Pandhurna
Chhindwara	Non availability of green fodder round the year	Participatory Rural Appraisal	Rajna Godhara Umreth Palamau Temnikhurd Gaildubba Chhindi Hiwra Nimni Borgaon	Chhindwara Chhindwara Parasia Mohkhed Mohkhed Tamia Tamia Sausar Sausar Sausar
Chhindwara	Introduction of kadaknath poultry for tribal farmers	Participatory Rural Appraisal	Rated Rangari Hiwra Tendni Khapa Jamunia	Tamia Sausar Amarwara Harrai JunnardeoBichhua
Chhindwara	Use of Azolla as protein diet for milch animals	Participatory Rural Appraisal	Khajri, Sarrai	ChhindwaraParasia Mohkhed

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block	
			Village	Block
			Lehgadua Umrana Delakhari Jobnikhapa Bhutra Surrewani Boregaon Karaboh Sukhari Kevlari	Tamia Sausar JunnardeoBichhuaPandhurnaChouraiAmarwara Harrai

2. On Farm Testing(OFT)

2.1 Information about OFT: 1 (Horticulture)

Title of on-farm trial:	Assessment of Nursery raising for vegetable seedlings in insect proof net tunnel (50 mash)
Year/Season:	Kharif, 2020
Farming situation:	Rainfed
Problem diagnosis:	Low germination %, disease incidence and virus infested plants
Thematic area:	Nursery raising
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Broadcast of seeds in Flat bed
T2 –Recommended Practice-	Sowing of treated seeds in Raised nursery bed
T3- Recommended Practice-	Sowing of seeds in pro tray with coco pit under insect proof net (50 mash)
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IIVR, Varansi, 2014
Characteristics of technology:	Pro tray with coco pit under insect proof net (50 mash)
Name of Crop/Enterprises:	Tomato/Chillies
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Germination (%) Healthy plants	Percent change
T1 (Farmers Practice)	Germination and Healthy seedlings	%		
T2(Recommended Practice)				
T3(Recommended Practice)				

OFT: 2 (Horticulture)

Title of on-farm trial:	Assessment of fruit retention and fruit size in Nagpur mandarin.
Year/Season:	Annual 2021 (<i>Mrigbahar</i>)
Farming situation:	Rainfed
Problem diagnosis:	Fruit drop and small fruit size in Nagpur mandarin.
Thematic area:	PGR's
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of balance fertilizers and PGR spray
T2 –Recommended Practice-	Foliar application of 2,4-D @ 10 ppm + Urea @ 1% + Carbendazim 1 g/ltr
T3- Recommended Practice-	Foliar application of GA ₃ @ 10 ppm + 0:52:34 @ 1% + Carbendazim 1 g/ltr
Date of sowing:	One month after fruit set and in the month of Oct and November
Date of harvesting:	In the month of March
Source of technology:	ICAR-CCRI, Nagpur (MS)
Characteristics of technology:	No. of fruits/meter of shoot, No. of fruits/plant, Fruit size, Yield kg/plant
Name of Crop/Enterprises:	Fruits/Nagpur mandarin
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Fruit retention /m shoot length (%), No.	Tonnes/ha				
T2(Recommended Practice)						

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T3(Recommended Practice)	of fruits/plant, Yield					

OFT: 3 (Horticulture)

Title of on-farm trial:	Assessment of NRCfBA 44 (<i>Trichoderma harizanium</i>) to mitigate the incidence of Phytophthora/gummosis in Nagpur mandarin
Year/Season:	Annual 2020
Farming situation:	Rainfed
Problem diagnosis:	Heavy incidence of Phytophthora and gummosis (Intensity – 70-80%)
Thematic area:	Integrated Disease Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of Bordeaux paste and spray after harvesting
T2 –Recommended Practice-	Paste + spraying + drenching Mefenoxam MZ @2.5g/li (twice during Aug. to Oct. at 40 days interval)
T3- Recommended Practice-	Soil application of NRCfBA 44 (<i>Trichoderma harizanium</i>) pre and post monsoon 100g/tree with well fermented FYM
Date of sowing:	Pre and post monsoon
Date of harvesting:	-
Source of technology:	ICAR-CCRI, Nagpur (MS)
Characteristics of technology:	Disease incidence (%),
Name of Crop/Enterprises:	Fruits/Nagpur mandarin
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Disease incidence(%)	(%) change
T1 (Farmers Practice)	Disease incidence	%		
T2(Recommended Practice)				
T3(Recommended Practice)				

OFT : 4 (Plant Protection)

Title of on-farm trial:	Assessment of <i>Agniastra</i> against shoot and fruit borer in Brinjal.
Year/Season:	2020
Farming situation:	Limited Irrigation
Problem diagnosis:	Low yield and fruit quality deterioration due to shoot and fruit borer in brinjal.
Thematic area:	Integrated Pest Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Refinement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Indiscriminate use of insecticides and pesticides.
T2 –Recommended Practice-	Two foliar application of NSKE 5% at 15 days interval
T3- Recommended Practice-	Two foliar application of <i>Agniastra</i> at 15 days interval
Date of sowing:	-
Date of harvesting:	-
Source of technology:	SPRI, Amrawati , 2015
Characteristics of technology:	NSKE and agniastra is a botanical pesticide, it is suitable for the Management of shoot and fruit borer
Name of Crop/Enterprises:	Brinjal
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pest infestation	%				
T2(Recommended Practice)	Pest infestation	%				
T3(Recommended Practice)	Pest infestation	%				

OFT :5 (Plant Protection)

Title of on-farm trial:	Assessment of IPM modules for the Management of Pod borer in Pigeon Pea (2nd Year)
Year/Season:	2020
Farming situation:	Limited Irrigation
Problem diagnosis:	Low yield due to infestation of Pod borer in Pigeon Pea (affected area ha.)
Thematic area:	Integrated Pest Management

No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Limited use of Plant Protection measures
T2 –Recommended Practice-	Light Trap , Pheromone Trap (10/ha.)
T3- Recommended Practice-	Two Spray of Profenophos 1.5 lit/ha. First at 40-45 DAS and Second 60-65 DAS
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVVV2010
Characteristics of technology:	Solar Light Trap is a best device for monitoring of Insect in remote area which is not covered under electrification and application of Profenophos is suitable insecticide for the Management of Pod borer
Name of Crop/Enterprises:	Pigeon Pea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of Larvae	Meter row length				
T2(Recommended Practice)	No. of Larvae	Meter row length				
T3(Recommended Practice)	No. of Larvae	Meter row length				

OFT :6 (Plant Protection)

Title of on-farm trial:	Assessment of Imidachloprid for the management of YVM in Okra (2nd Year)
Year/Season:	2020
Farming situation:	Limited Irrigation
Problem diagnosis:	Low yield due Infestation of YVM in Okra (affected area 225 ha.)
Thematic area:	Integrated Pest Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Limited use of plant protection measures
T2 –Recommended Practice-	Spray of Imidachloprid @3ml/10 lit of Water30-35DAS
T3- Recommended Practice-	Spray of Thiomethaxam 200 ml/ha. 50-55DAS
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV 2010
Characteristics of technology:	Imidachloprid and Thiomethaxam is a Sucking Insecticide, So It is suitable for the Management of YVM in Okra
Name of Crop/Enterprises:	Okra
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Infestation	%				
T2(Recommended Practice)	Infestation	%				
T3(Recommended Practice)	Infestation	%				

OFT :7 (Plant Protection)

Title of on-farm trial:	Assessment of IPM modules for the management of fruit borer in Tomato (2nd Year)
Year/Season:	2020
Farming situation:	Limited Irrigation
Problem diagnosis:	Low yield due to infestation of fruit borer in Tomato (affected area ha.)
Thematic area:	Integrated Pest Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Limited use of plant protection measures
T2 –Recommended Practice-	Use of Bird Perchers 50 /ha
T3- Recommended Practice-	Two Spray of Profenophos @ 1.5 lit/ha. first at 35 days after planting and second 50-55 Days
Date of sowing:	-

Date of harvesting:	-
Source of technology:	JNKVV 2010
Characteristics of technology:	Bird perchers is a natural management for fruit borer and Profenophos is a suitable for the Management of fruit borer in Tomato
Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of Larvae	Meter row length				
T2(Recommended Practice)	No. of Larvae	Meter row length				
T3(Recommended Practice)	No. of Larvae	Meter row length				

OFT : 8 (Agronomy)

Title of on-farm trial:	Assesment of improved variety of soybean
Year/Season:	Kharif, 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to yellow mosaic virus, disease incidence and virus infested plants (70%)
Thematic area:	Variatel Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	JS – 9560
T2 –Recommended Practice-	JS – 2098
T3- Recommended Practice-	JS – 2069
Date of sowing:	25 June 2020 expected
Date of harvesting:	25 Oct. 2020 expected
Source of technology:	JNKVV, 2018
Characteristics of technology:	HYV, disease resistant variety
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	

Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pod	No				
T2(Recommended Practice)	Infected plant	No				
T3(Recommended Practice)	Yield B:C	q/ha ratio				

OFT : 9 (Agronomy)

Title of on-farm trial:	Assessment of sowing with zero till seed drill in chickpea
Year/Season:	2020/ Rabi
Farming situation:	Rainfed
Problem diagnosis:	High cost of cultivation for land preparation
Thematic area:	Resources Conservation technology
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Seed sowing with normal seed drill after 3 cultivation
T2 –Recommended Practice-	Seed sowing with zero till seed drill after 1 cultivation
T3- Recommended Practice-	Seed sowing with zero till seed drill without cultivation
Date of sowing:	15, Nov. 2020
Date of harvesting:	25, Feb. 2020
Source of technology:	JNKVV, 2015
Characteristics of technology:	Low cost of cultivation
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pod	No				
T2(Recommended Practice)	Yield	q/ha				
T3(Recommended Practice)	B:C	ratio				

OFT : 10 (Agronomy)

Title of on-farm trial:	Assessment of wilt resistant variety of chick pea
Year/Season:	2020/Rabi
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to wilt, collar rot and root rot (Intensity 40-50 %)
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	JG 315
T2 –Recommended Practice-	JG 130
T3- Recommended Practice-	JG 14
Date of sowing:	15, Nov. 2020
Date of harvesting:	25, Feb 2020
Source of technology:	JNKVV, 2014
Characteristics of technology:	Use multi resistant varieties
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pod	No				
T2(Recommended Practice)	Yield	q/ha				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T3(Recommended Practice)	B:C	ratio				

OFT : 11 (Agronomy)

Title of on-farm trial:	Assessment of semi-irrigated variety of wheat
Year/Season:	2020/Rabi
Farming situation:	Semi irrigated
Problem diagnosis:	Low yield due to unsuitable variety in semi-irrigated situation (Intensity 40-50 %)
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	JW 366 / GW 322
T2 –Recommended Practice-	JW 3336
T3- Recommended Practice-	JW 3211
Date of sowing:	15, Nov. 2020
Date of harvesting:	5-10, March 2020
Source of technology:	JNKVV, 2016
Characteristics of technology:	Timely sowing under 2-3 three irrigating condition
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Tillers	No				
T2(Recommended Practice)	Yield	q/ha				
T3(Recommended Practice)	B:C	ratio				

OFT : 12 (Agronomy)**Information about OFT: 5 - Agronomy**

Title of on-farm trial:	Assessment of HYV of wheat under irrigated condition
Year/Season:	2020/Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to unsuitable variety in irrigated condition (Intensity 40-50 %)
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 - Farmers Practice-	Old variety/ JW - 366
T2 - Recommended Practice-	HI 1544
T3 - Recommended Practice-	JW 1203
Date of sowing:	15, Nov. 2020
Date of harvesting:	5-10, March 2020
Source of technology:	JNKVV, 2017
Characteristics of technology:	Required 6 Irrigating condition in timely sowing
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Tillers Yield B:C	No q/ha ratio				
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT : 12 (Agronomy)**Information about OFT: 6 - Agronomy**

Title of on-farm trial:	Assessment of SRI in low land area with improved Variety in rice
Year/Season:	Kharif, 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to old unidentified variety (90%)
Thematic area:	Sowing method with Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 -Farmers Practice-	Seed sowing through Broad casting and use Old variety (Unidentified)
T2 -Recommended Practice-	SRI with MTU 1010
T3 -Recommended Practice-	SRI
Date of sowing:	15 July 2020 expected
Date of harvesting:	25 Nov. 2020 expected
Source of technology:	JNKVV, 2016
Characteristics of technology:	HYV requirement of low seed, more tillers
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Tillers Yield B:C	No q/ha ratio				
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT : 13 (PB&G)

Title of on-farm trial:	Assessment of Baby corn variety in maize
Year/Season:	2020 / Kharif
Farming situation:	Irrigated

Problem diagnosis:	Low profit due to use of composite maize
Thematic area:	Varietal evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Maize Hybrid
T2 –Recommended Practice-	Sweet corn (Sugar 75)
T3- Recommended Practice-	Baby corn B-472
Date of sowing:	July first week
Date of harvesting:	September last week
Source of technology:	JNKVV, 2008
Characteristics of technology:	High yielding, 2-3 cobs/plant, male sterile.
Name of Crop/Enterprises:	Maize
Recommendations for Farmers	Manage harvesting time for proper marketing to get great financial outputs.
Recommendations for Deptt. Personnel	Popularization of cultivation Baby corn variety B-472 and 54-14.
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Cobs	No				
T2(Recommended Practice)	Yield	q/ha				
T3(Recommended Practice)	B:C	ratio				

OFT : 14 (PB&G)

Title of on-farm trial:	Assessment of improved variety of Linseed under semi irrigated condition.
Year/Season:	2020 / Rabi
Farming situation:	Semi-Irrigated
Problem diagnosis:	Low yield of Linseed due to traditional varieties (Intensity – 90%)
Thematic area:	Varietal evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	

T1 – Farmers Practice-	Traditional varieties
T2 –Recommended Practice-	JLS-66
T3- Recommended Practice-	JLS -67
Date of sowing:	October second-third week
Date of harvesting:	February last week
Source of technology:	JNKVV, 2010
Characteristics of technology:	High yielding, Early maturity (120days)
Name of Crop/Enterprises:	Linseed
Recommendations for Farmers	Linseed cultivation is suitable for Chhindwara district so it is recommended to cultivate Linseed varieties .
Recommendations for Deptt. Personnel	Popularization of cultivation of Linseed variety JLS-66, JLS-67
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield B:C	q/ha ratio				
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT : 15 (PB&G)

Title of on-farm trial:	Genetic diversification in Kodo millet.
Year/Season:	2020 / Kharif
Farming situation:	Rainfed
Problem diagnosis:	Poor yield due to old traditional varieties
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old traditional variety
T2 –Recommended Practice-	JK-141(2002)
T3- Recommended Practice-	JK-137(2015)
Date of sowing:	July first week
Date of harvesting:	October last week

Source of technology:	JNKVV 2010, 20
Characteristics of technology:	Dense brown colored grains, moderately resistant to head smut and shoot fly, expected yield 25 q/h
Name of Crop/Enterprises:	Kodo millet
Recommendations for Farmers	Farmers should replace old traditional varieties to improve yield parameters
Recommendations for Deptt. Personnel	Popularize cultivation of newly released varieties
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield B:C	q/ha ratio				
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT : 16 (PB&G)

Title of on-farm trial:	Extended cultivation of Chickpea in space and Time
Year/Season:	2020 / Rabi
Farming situation:	Irrigated
Problem diagnosis:	Sowing of Chick Pea on different date and place to evaluate yield fluctuations
Thematic area:	Varietal Evaluation on different date and place
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Deshi variety
T2 –Recommended Practice-	JG-14
T3- Recommended Practice-	JG-12
Date of sowing:	October second-third week
Date of harvesting:	February last week
Source of technology:	JNKVV 2010
Characteristics of technology:	The objectives schedules the ways of breeding cultivars suited for sowing under irrigated conditions.
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	Farmers should replace old traditional varieties to improve yield parameters
Recommendations for Deptt. Personnel	Popularize cultivation of newly released varieties in different space and time
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pods	No				
T2(Recommended Practice)	Yield	q/ha				
T3(Recommended Practice)	B:C	ratio				

2.2.1 Information about Extension OFT:

Title	Assessment of happy seeder for resource of conservation in wheat- Gram cropping system.
Season & Year	Kharif-Rabi, 2020-21
Problem identified	Reduction in yield due to infestation of weeds
Thematic Area	Crop Production
Farming situation	Irrigated
Name of Technology under study	Resource Conservation
Farmers Practice	T ₁ :Sowing of summer green gram after burning of crop residue by ordinary seed drill and imbalance fertilizer without proper weed management.
No. of replication (Farmers)	T ₂ : Spray of herbicide T ₃ : Sowing by happy seeder + Use of waste decomposer

Results / findings

Performance indicators/ parameters	Unit/ details
Weed density /sq meter, plant density of green gram /sq meter, yield and B:C ratio	kg/ ha

2.2.2 Information about Extension OFT:

Title	Assessment of knowledge & adoption of soil health card based fertilizer application.
Season & Year	2020-21
Problem identified	Poor knowledge about SHG recommendation
Thematic Area	CBD
Farming situation	-
Name of Technology under study	Testing the knowledge and adoption of soil health cardfor SHC based recommendation by farmers.
Farmers Practice	T ₁ -Farmers are not using fertilizers as per SHG recommendation
No. of replication (Farmers)	T ₂ : To find out the awareness, knowledge and adoption of farmers toward soil health card practices. -To study the opinion/ attitude of farmers towards soil health card practices and to study the Constraints perceived by the farmers in adoption of soil health card recommendation

Results / findings

Performance indicators/ parameters	Unit/ details
Age, Education, Family size, Social Participation, Extension Participation, Mass media Exposure, Land holding, Family Income, Feed back	(%)

2.2.3 Information about Extension OFT:

Title	Assessment of waste decomposer for farm waste.
Season & Year	2020-21
Problem identified	T ₁ : Use of open pit for decomposing farm waste.(Decomposing duration : 1-2 yrs)
Thematic Area	Crop Production
Farming situation	Open pit requires 1-2 years to decompose the farm waste, partially decompose material is also used by farmer
Name of Technology under study	Waste decomposer for farm waste
Farmers Practice	T ₁ : Use of open pit for decomposing farm waste. (Decomposing duration : 1-2 yrs)
No. of replication (Farmers)	T ₂ : NADEP Composting (Decomposing duration : 90 days) T ₃ : T ₂ +Waste decomposer 200gm + 200litres of water + Jaggery 2 kg.

Results / findings

Performance indicators/ parameters	Unit/ details
Decomposing duration, Decomposition	(%)

2.2.4 Information about Extension OFT:

Title	Assessment of WhatsApp Tech. for dissemination of Agri-Tech. in Due time in maize crop
Season & Year	2020-21
Problem identified	Lack of audio-visual mode of transfer of technology in due time.
Thematic Area	ICT
Farming situation	Messaging to Contact Farmers through Whatsapp with the help of Smart mobile
Name of Technology under study	WhatsApp
Farmers Practice	T ₁ : No use of WhatsApp for Agriculture information
No. of replication (Farmers)	T ₂ : Messaging to Contact Farmers through Whatsapp with the help of Smart mobile

Results / findings

Performance indicators/ parameters	Unit/ details
Use of messages, Sometime use of messages, No any use of messages, Change in yield, Production Cost and B:C ratio	(q/ha)

2.3. Information about Home Science OFT:
Information about Home Science OFT: OFT-1

Title of Technical intervention/ OFT	Assessment of income generation from marigold
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Income generation
No of trials:	10
No. of farmers/farm women involved:	10
Name of Variety/Technology/Enterprises	PusaNarangi
Details of technology selected for assessment:	
T1 – Farmers Practice-	Use local variety
T2 –Recommended Practice-	Pusanaragi and hybrid
Source of technology:	IARI 2002
Characteristics of technology:	Pusanaragi are bold flower and less attack of Insect and Pest
Name of Crop/Enterprises:	Merigold
Farming situation:	Irrigated
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Information about Home Science OFT: 2

Title of on-farm trial:	Assessment of Processing and Value Addition of Small Millet to Achieve Nutritional and Financial Security
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Nutritional Security
No of trials:	10
No. of farmers/farm women involved:	10
Name of Variety/Technology/Enterprises	Value addition of small millets
Details of technology selected for assessment:	
T1 – Farmers Practice-	100 % millet
T2 –Recommended Practice-	50% millet + 50% other flour
Source of technology:	CIAE, Bhopal (2016),
Characteristics of technology:	Threshing, de-husking and pearling by millet threshing machine and developed low cost value added minerals rich product rice, chakoli& Instant Mix
Name of Crop/Enterprises:	Small millet

Farming situation:	Irrigated
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Information about Home Science OFT: OFT-3

Title of on-farm trial:	Assessment on storage and keeping quality of custard apple pulp
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Value addition
No of trials:	10
No. of farmers/farm women involved:	10
Name of Variety/Technology/Enterprises	Local
Details of technology selected for assessment:	
T1 – Farmers Practice-	Sale and direct consumption
T2 –Recommended Practice-	Use of separated wooden boxes with cardboard packing
Source of technology:	Improved practices-Custard apple pulp packed in HDPE bags and stored at - 16 OC temprature
Characteristics of technology:	CIPHET Ludhiana 2014
Name of Crop/Enterprises:	Custard apple pulp separated by Pulper . Custard apple pulp packed in HDPE bags and stored at - 16 OC
Farming situation:	Custard apple
Date of sowing:	Unirrigated
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/ enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3.Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Rabi	Crop diversification	Demonstration of alternate crop pomegranate Var.– Bhagwaagainst Nagpur mandarin.	Fruit crop	Pomegranate	Bhagwa	Irrigated	Ongoing	0.1 ha								
2020	Rabi	Resource Conservation Technology	Demonstration of Fertigation with plastic mulching in Tomato crop.	Vegetable	Tomato	Abhilash	Irrigated	Ongoing	0.1 ha								
2020	Kharif	Varietal Evaluation	Demonstration of HYV of Garlic (G 282)	Spices	Garlic	G-282	Rainfed	Completed	0.1 ha								
2020	Kharif	IPM	Management of Fall army worm	Cereal	Maize	-	Semi-Irrigated		2.0								05
2020	Kharif	IPM	Management of girdle beetle in soybean	Oilseed	soybean	-	Semi-Irrigated		2.0								05

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Rabi	IPM	Management of Shoot and fruit borer in Okra	Vegetable	Okra		Semi-Irrigated		0.05								05
2020	Rabi	IPM	Management of DBM in Cauliflower	Vegetable	Cauliflower		Semi-Irrigated		0.05								05
2020	Kharif	Varietal Evaluation	Demonstration of BG II Cotton variety -2	Fiber crop	Cotton	BG -II	Irrigated	Ongoing	5.2 ha								
2020	Kharif	Varietal Evaluation	Demonstration of Improved variety of maize	Cereal	Maize	Composite variety	Rainfed	New started	5.2 ha								
2020	Rabi	Resource conservation Technology	Demonstration of seed cum fertilizer drill for line sowing	Pulse	Chickpea		Rainfed	Ongoing	5.2 ha								
2020	Rabi	Varietal Evaluation	Demonstration of Improved variety of mustered	Oilseed	Mustard	PM - 28	Rainfed	New started	5.2 ha								

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Pomegranate cultivation	Pomegranate	Yield, No of fruits/tree										
Fertigation with plasting mulching	Tomato	Yield (q/ha), B:C ratio										
High yielding variety	Garlic (G 282)	Yield (q/ha), B:C ratio										
Management of Fall army worm	Maize	No.of larvae/m. row length										
Management of girdle beetle in soybean	soybean	Damage %										
Management of Shoot and fruit borer in Okra	Okra	Damage %										
Management of DBM in Cauliflower	Cauliflower	Damage %										
Demonstration of BG II Cotton variety -2	Cotton	No. of bolls Yield (q/ha) B:C ratio										
Demonstration of Improved variety of maize	Maize	Yield (q/ha), B:C ratio										
Demonstration of seed cum fertilizer drill for line sowing	Chick pea	No. of Pod Yield (q/ha) B:C ratio										
Demonstration of Improved variety of mustard	Mustard	No. of Capsules Yield (q/ha) B:C ratio										

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed /Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed /Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Annual	Nutritional security	Assessment of backyard nutritional kitchen garden	Nutritional vegetable and Fruits Production	Vegetables 1.Okra- VRO-6 2.Brinjal- Kanhaiya 3.Tomato- JK-Deshi 4.Chilli- KA-2 5.Cowpea- CP-4 6.Sponge Gourd- Bejo F-1 7.Bottle Gourd- Varad 8.Palak- All Green 9.Amaranthus- Local 10.Radish- PusaChetiki Fruits 1.Drumstick 2.Papaya 3.Kagzi lime 4.Guava 5.Mango 6.Medicinal plant	250 sm	-	-	-	-	-	-	-	-
2020	Annual	Income generation	Demonstration of west decomposer	west decomposer	Liquid west decomposer	5 unit	FYM Heep method	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)						Anthropometric measurements							
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks

3.11 Details of FLD on crop hybrids.

S.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F &FW/FW)	Trainin g Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Cours es	Durati on (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F &FW	OFC	Horticulture (Vegetable Crops)	Production of low volume and high value crops	Capsicum production under polyhouse	1	1								
F &FW	OFC	Horticulture (Vegetable Crops)	Off season vegetables	Low tunnel vegetable production technology	1	1								
F &FW	ONC	Horticulture (Vegetable Crops)	Nursery raising	Pro-tray nursery production for vegetable crops	1	3								
F &FW	ONC	Horticulture (Vegetable Crops)	Protective cultivation	Seedling production under insect proof net tunnel	1	1								
F &FW	OFC	Horticulture (Fruits)	Training and Pruning	Training and Pruning in fruit crops	1	1								
F &FW	OFC	Horticulture (Fruits)	Management of young plants/orchards	Care and management of orchard	1	1								

Category (F &FW/FW)	Trainin g Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Cours es	Durati on (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F &FW	OFC	Horticulture (Fruits)	Rejuvenation of old orchards	Rejuvenation of old orchards	1	1								
F &FW	ONC	Horticulture (Fruits)	Micro irrigation systems of orchards	Drip irrigation technology	1	3								
F &FW	ONC	Horticulture (Fruits)	Plant propagation techniques	Vegetative propagation in fruit crops	1	3								
F &FW	ONC	Horticulture (Ornamental Plants)	Nursery Management	Ornamental plant nursery management										
F &FW	ONC	Horticulture (Ornamental Plants)	Management of potted plants	Care and management of potted plants	1	1								
F &FW	OFC	Horticulture (Spices)	Production and Management technology	Chilli production technology	1	1								
F &FW	OFC	Horticulture (Medicinal and Aromatic Plants)	Production and management technology	Production and management technology	1	1								
F &FW	ONC	Plant Protection	Integrated Pest Management	Management of red pumpkin beetle	1	1								
F &FW	OFC	Plant Protection	Integrated Pest Management	Management of IPM in Okra	1	1								
F &FW	ONC	Plant Protection	Integrated Pest Management	Management of Fall Army Worm in maize	1	1								
F &FW	OFC	Plant Protection	Integrated Pest Management	Management of stem borer in paddy	1	1								
F &FW	ONC	Plant Protection	Integrated Pest Management	Management of Plant hopper in Paddy	1	1								
F &FW	OFC	Plant Protection	Integrated Pest Management	Management of pod borer in pigeon pea	1	1								
F &FW	ONC	Plant Protection	Integrated Pest Management	Management of pod borer in chickpea	1	1								
F &FW	OFC	Plant Protection	Integrated Pest	Management of aphid in Lentil	1	1								

Category (F &FW/FW)	Trainin g Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Cours es	Durati on (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
			Management											
F &FW	ONC	Plant Protection	Integrated Pest Management	Management of Termite in Wheat	1	1								
F &FW	OFC	Plant Protection	Integrated Pest Management	Rodent Management in field.	1	1								
F &FW	ONC	Plant Protection	Integrated Pest Management	Management of Stored grain Pest	1	1								
F &FW	OFC	Plant Protection	Integrated Disease Management	Management of wilt in Pigeon pea.	1	1								
F &FW	ONC	Plant Protection	Integrated Disease Management	Management of wilt in Lentil	1	1								
F &FW	OFC	Plant Protection	Integrated Disease Management	Management of wilt in Chickpea	1	1								
F &FW	OFC	Agronomy (INM)	Use of soluble fertilizer	Use of soluble fertilizer in rabi crop	2	2								
F &FW	OFC	Agronomy (IFS)	IFS Model for marginal farmers	IFS Model for marginal farmers	2	2								
F &FW	OFC	Agronomy (Income generation through SHGs)	Income generation to marginal and small farmers	SHGs for round the year Income generation	2	3								
F &FW	OFC	Agronomy (weed management)	Integrated weed management in kharif crops	Integrated weed management in kharif crops	1	1								
F &FW	OFC	Agronomy (Organic farming)	Organic farming through Javik Culture	Importance of Jevik culture	1	1								
F &FW	OFC	Agronomy (Seed treatment)	Seed treatment with trichoderma	Importance of Seed treatment with trichodermaJevik fungicide	1	1								
F &FW	OFC	Agronomy (Fertigation)	Water soluble fertilizer	Use efficiency of water soluble fertilizer	2	2								

Category (F &FW/FW)	Trainin g Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Cours es	Durati on (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F &FW	ONC	Agronomy (Sowing method)	Use of happy seeder for seed sowing	Happy seeder a effective cost management	1	1								
F &FW	ONC	Agronomy (Pulse production and value management)	Pulse production and value management	Pulse production and value addition	1	1								
F &FW	OFC	Agronomy(ITK)	ITK in IPM	IPM in Chickpea, Pigeonpea etc.	2	2								
F &FW	ONC	Agronomy	Precision farming	Crop production with Precision farming	2	2								
F &FW	OFC	Agronomy	Crop rotation	Crop production with crop rotation	1	3								
F &FW	OFC	Agronomy	Intercropping and mixed cropping system	Intercropping and mixed cropping system in Indian agriculture	1	3								
F&FW	OFC	Crop Production	Resource Conservation Technologies	Conservation of Indeginous Germplasm of Minor Millets.	1	1								
F&FW	ONC	Crop Production	Cropping Systems	Intercropping of Maize with trailing type varieties of vegetables.	1	1								
F&FW	OFC	Crop Production	Production of organic inputs	Production and use of Vermi wash, agniastra, matkakhad, seed treatment with bioagents.	2	1								
F&FW	ONC	Crop Production	Others(Pl. Specify)	Varietal evaluation for Hybrid Maize.	2	1								
F&FW	OFC	Production of Input at site	Seed Production	Seed production technology for Hybrid Maize.	1	1								
F&FW	OFC	Production of Input at site	Seed Production	Seed production technology for Hybrid Paddy.	1	1								
F&FW	OFC	Production of Input at site	Seed Production	Seed production technology for Wheat.	1	1								
F&FW	ONC	Production of Input	Seed Production	Seed production technology for	1	1								

Category (F &FW/FW)	Trainin g Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Cours es	Durati on (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		at site		Gram.										
F&FW	OFC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Concept of SHG's, working objects and formation of seed production committee.	1	1								
F&FW	OFC	Capacity Building and Group Dynamics	WTO and IPR issues	Fundamental knowledge of IPR to the farmers.	1	1								
F&FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Backyard kitchen gardening	1	1								
F&FW	ONC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Development of low cost food	1	1								
F&FW	OFC	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Low cost food	2	2								
F&FW	ONC	Home Science/Women empowerment	Minimization of nutrient loss in processing	Food nutrient loss in processing	1	1								
F&FW	OFC	Home Science/Women empowerment	Processing & cooking		1	1								
F&FW	ONC	Home Science/Women empowerment	Gender mainstreaming through SHGs	Group Meeting with SHGs	1	1								
F&FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques	Self life of custard apple	1	1								
F&FW	ONC	Home Science/Women	Value addition		1	1								

Category (F &FW/FW)	Trainin g Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Cours es	Durati on (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		empowerment												
F&FW	OFC	Home Science/Women empowerment	Women empowerment	Mushroom production	1	1								
F&FW	ONC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Wheel hoe in maize	1	1								
F&FW	OFC	Home Science/Women empowerment	Rural Crafts	Handycraft craft training	1	1								
F&FW	ONC	Home Science/Women empowerment	Women and child care	Value addition of Moringa in sattu		1								
F&FW	OFC	Home Science/Women empowerment	Others (Pl. Specify)	Maize processing	2	2								
F&FW	OFC	Women empowerment	Capacity Building and Group Dynamics	Small farm implements and machines	1	1								
F&FW	ONC	Women empowerment	Integrated Management	Integrated models for doubling the farmer Income	1	1								
F&FW	OFC	Women empowerment	Integrated Management	Integrated Nutrient management in horticulture crops	1	1								
F&FW	ONC	Women empowerment	Custom Haring	Involvement of farm women in PHT	1	1								
F&FW	OFC	Women empowerment	Capacity Building and Group Dynamics	Production and use of organic inputs for safe and quality production in Vegetable crops.	1	1								
F&FW	OFC	Women empowerment	Cropping system	Hybrid maize production technology	1	1								
F&FW	OFC	Women	Women	Gender mainstreaming through	1	1								

Category (F & FW/FW)	Trainin g Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Cours es	Durati on (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		empowerment	empowerment	SHG										
F&FW	ONC	IFS	Crop Production	Integrated Farming system (IFS)	1	1								
F&FW	OFC	Women empowerment	Women and youth development	Development of Entrepreneur Through Agriculture	1	1								
F&FW	OFC	Capacity Building and Group Dynamics	Women and youth development	Fundamental knowledge of IPR to the farmers.	1	1								
F&FW	ONC	Capacity Building and Group Dynamics	Women and youth development	Development of Entrepreneur Through Agriculture	1	1								
F&FW	OFC	Crop Production	Cropping system	Organic Farming	1	1								
F&FW	ONC	Horticulture-Fruits	Production and Management technology	Nursery Management of Horticulture crops	2	1								
F&FW	OFC	Horticulture – Vegetable Crops	Production and Management technology	Protected cultivation of Vegetable crops	1	1								
F&FW	ONC	Capacity Building and Group	Livestock Production and Management	Azolla cultivation and vermicomposting	1	1								

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Durati on (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY	ONC	Nursery Management of Horticulture crops	Production of healthy planting material	1	3								
RY	ONC	Training and pruning of orchards	Training and pruning of fruit crops	1	3								
RY	ONC/OFC	Protected cultivation of vegetable crops	Off season cultivation of vegetable crops	1	3								
RY	ONC/OFC	Sericulture	Production techniques	01	05								

Category	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY	ONC	Vemicompost production	Vemicompost production management	1	5								
RY	ONC	Organic farming	Organic farming with Rhizobium culture	1	5								
RY	ONC/OFC	Irrigation management	Micro irrigation in field crop	2	3								
RY	ONC/OFC	Organic grower	Organic production management	1	5								
RY	ONC/OFC	Seed production	Seed Production technology of hybrid seeds.	1	2								
RY	ONC/OFC	Production of organic inputs	Production of Organic fertilizers and organic cultivation of crops	1	1								
RY	ONC/OFC	Planting material production	Strategies for Hybrid seed Production.	1	1								
RY	ONC/OFC	seed production	Fresh water Pearl cultivation	1	2								
RY	ONC/OFC	Value addition	Value addition of Aonla& Ber	1	1								
RY	ONC/OFC	Small scale processing	Processing of Potato chips & custard apple	1	1								
RY	ONC/OFC	Post Harvest Technology	Loss in Fruits & vegetables	1	1								
RY	ONC	Organic Farming	Double income farming	1	2								
RY	ONC	Development of Entrepreneur Through Agriculture	Women and youth development	1	2								
RY	ONC/OFC	Azolla cultivation and vermicomposting	Live stock production managment	1	2								

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS		Seed Production	Hybrid seed production technology for kharif and rabi crops.	1	1								

Category	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS		Seed Production	Seed germination and viability test	1	2								
IS		seed production	Fresh water Pearl cultivation	1	2								
IS		Formation and Management of SHGs	World food day	1	2								
IS		Women and Child care	Post Harvest technology of fruits	1	1								
IS		Low cost and nutrient efficient diet designing	Post Harvest technology of Vegetables	1	2								

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Income generation activities	seed production	Fresh water Pearl cultivation	Pearl											
Income generation activities	Seed production	Hybrid seed production technology for kharif and rabi crops.	Hybrid seed											

Table 5.5. Sponsored Training Programmes

Client (F &FW/FW/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
		Crop production and management	Increasing production and productivity of crops	1	2											
		Crop production and management	Commercial production of vegetables	1	2											
		Crop production and management	Production and value addition	1	2											

Client (F &FW/FW/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
		Crop production and management	Fruit Plants	-	-											
		Crop production and management	Ornamental plants	-	-											
		Crop production and management	Spices crops	-	-											
		Crop production and management	Soil health and fertility management	-	-											
		Crop production and management	Production of Inputs at site	-	-											
		Crop production and management	Methods of protective cultivation	1	2											
		Crop production and management	Others(Pl. Specify)													
		Post harvest technology and value addition	Processing and value addition	1	2											
		Post harvest technology and value addition	Others(Pl. Specify)	-	-											
		Farm machinery	Farm machinery, tools and implements	-	-											
		Farm machinery	Others(Pl. Specify)													
		Livestock and fisheries	Livestock production and management	1	2											
		Livestock and fisheries	Animal Nutrition Management	-	-											
		Livestock and fisheries	Animal Disease Management	-	-											
		Livestock and fisheries	Fisheries Nutrition	-	-											
		Livestock and fisheries	Fisheries Management	-	-											
		Livestock and fisheries	Others(Pl. Specify)													
		Home Science	Household nutritional	1	1											

Client (F &FW/FW/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
			security													
		Home Science	Economic empowerment of women	1	1											
		Home Science	Drudgery reduction of women	1	1											
		Home Science	Others(Pl. Specify)	-	-											
		Agricultural Extension	Capacity Building and Group Dynamics	1	1											
		Agricultural Extension	Others(Pl. Specify)	-	-											

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Training title	Self employed after training			Number of persons employed else where
	Type of units	Number of units	Number of persons employed	

Table 5.7 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/RY/ IS)	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	02	
Design and development of low/minimum cost diet	02	
Designing and development for high nutrient efficiency diet	01	
Minimization of nutrient loss in processing	01	
Processing and cooking	02	
Gender mainstreaming through SHGs	01	

Area of Training	Jan-Dec-2019	
	Courses	Participants
Storage loss minimization techniques	01	
Value addition	02	
Women empowerment	02	
Location specific drudgery reduction technologies	01	
Rural Crafts	01	
Women and child care	02	
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture		

Table 5.9 Subjectarea wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Crop Production	02	
Horticulture	01	
Soil Health and Fertility Management	01	
Livestock Production and Management	02	
Agril. Engineering	02	
Plant Protection	01	
Fisheries	02	
Production of Input at site	01	
Capacity Building and Group Dynamics	02	
Agro forestry	01	

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic	10												
Animal Health Camp	2												
Awareness programme	3												
Celebration of important days	5												
Diagnostic visits	25												
Exhibition	10												
Exposure visits	12												
Ex-trainees Sammelan	3												
Farm advisory Services	35												
Farmers visit to KVK	15												
Field Day	20												
Group meetings	10												
KisanGhoshthi/Sammelán	11												
Kisan Mela	2												
Krishi Mahotsav	1												
Lectures delivered as resource persons	25												
MahilaMandals conveners meetings	3												
Method Demonstrations	5												
Pradhanmantri phasal beema yojana	2												
Scientific visit to farmers field	18												
Self Help Group conveners meetings	10												
Soil health Camp	4												
Soil test campaigns	4												
Technology Week	3												
Radio talks	15												
Extension literature	12												
TV talks	4												
Newspaper coverage	12												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Film Show	10												
Others													

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	15			
TV talks	4			
Newspaper coverage	12			
Internet (Youtube)	15			
Social media (Whats App, Facebook, Instagram, Twitter etc.)	80			
Online trainings through google meet and other apps	24			

7. Literature Developed/Published

7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.)
Chhindwara	January to March 2020	Q1	500		
Chhindwara	April to June 2020	Q2	500		
Chhindwara	July to September 2020	Q3	500		
Chhindwara	October to December 2020	Q4	500		

7.2 Literature developed/published

KVK Name	Type	Number of copies
Chhindwara	Abstract	5
Chhindwara	Book	1
Chhindwara	Book Chapter	2
Chhindwara	Booklet	15
Chhindwara	Leaflets/ Folder/ Pamphlet	25
Chhindwara	Popular article	20
Chhindwara	Technical Bulletin	05
Chhindwara	Training Manual	03

KVK Name	Type	Number of copies
Chhindwara	Technical Report	15
Chhindwara	Year Planner	1
Chhindwara	Others (pl. specify)	

Research paper /Review paper published during Jan to Dec. 2020

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
Chhindwara					

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Chhindwara			

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Chhindwara							

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Chhindwara	Vegetables	Tomato	Abhilash	4000			
Chhindwara	Vegetables	Brinjal	Kanhaiya	1000			
Chhindwara	Vegetables	Chilli	KA-2	500			

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost					
	Azolla	30kg				
	Earthworms	10 kg				

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Compost					
	Blue green algae					
	NADEP					
	SanjeevaniKhad					
	Acetobactor					
	Aspergillus					
	Azatobactor	100kg				
	Azospirillum					
	Phosphate solublizing Bacteria					
	Rhizobium	100kg				
	Other (pl. sp.)					
Bio-Food	Spirulina					
	Honey					
	Any Other (pl. sp.)					
Bio Pesticides	Neem extract					
	Neem powder					
	Tobacco extract					
	Trichoderma viride					
	Trichoderma harjinum					
	Trichogrammachilonis					
	Beauveria bassiana					
	Metarhiziumanisopliae					
	Pseudomonas fluorescens					
	SINPV					
	HaNPV					
	GF1					
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					
Bio Agents (Tricho card)	Trichogrammachilonis	20kg				

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Chrysoperlacarnea					
	Tricho card					
	Any other (Pl. Specify)					
Bio Agents (Pyrilla parasitoids)	Ooincirtuspapilionis					
	Epiricaniamelanolauca					
Bio Agents(Worms)	Assiniafoetida					
	Eudriluseugeniae					
	EuclniaUginae					
	Eisenia foetida					
	Earth worm					
	Any other (pl. specify)					
Others	Mushroom spawn					
	Mineral Mixture					
	Cow dung (dry)					
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow						
	Calves						
	Goats						
	Buffaloes						
	Sheep						
	Breeding bull						
	Other (pl specify)						
Poultry	Poultry	Kadaknath	Chicks and Birds	No	2800		
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
	Other						

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Piggery	Piglets						
	Boar						
	Sow						
	Other (pl specify)						
Fisheries	Indian carp						
	Exotic carp						
	Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020:

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
	Sanctioned	Procured	Collect ed by KVKs	Provid ed by Dept./ DDA	by KVKs		By Departm ent	By KVK		By Departm ent			Throu gh Mini Soil Testin g kit	Through Soil testing laborat ory
Yes	-	Yes	500	2000	100	400	2000	600	2500	8000	1100			

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Chhindwara					

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

2012 Training Programmes Conducted by using Rainwater Harvesting Demonstration Unit												
Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Chhindwara					

11. Training Programmeson Micro irrigation (Drip and Sprinkler)

22. Training Programmes on Water Irrigation (Drip and Sprinkler)													
Name of KVK	Date	Title of the training course	Client	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	
Chhindwara													

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Chhindwara	NA	NA	NA	NA	NA	NA

13.Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Chhindwara	2006-07	2007	G-Type-4	Nil	
Chhindwara	2007-08	2008	H-Type-2	Nil	

14.Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting2020	No. of SAC members (only) attended	Major action points*
Chhindwara	April/May 2020	25	
Chhindwara	August/September 2020	25	

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Chhindwara	8000	160	20	8180

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology		4	96706	1950	1910
		Integrated Farming					
		Field Preparation					
		Any Other (Specify)					
2	Weather	Advisory		4	96706	1950	1910
		Change in variety					
		Change in Sowing technique					
		Climate forecast					
3	Soil Management	Any Other (Specify)		4	96706	1950	1910
		Soil Testing					
		INM					
		Fertilizer Application					
4	Disease & Pest Management	Vermicomposting/ bio-waste recycling		4	96706	1950	1910
		Bio-fertilizer					
		Any Other (Specify)					
		Disease Management					
5	Nutrition Security & Women Empowerment	Pest Management		4	96706	1950	1910
		Preventive Advisory Disease Management					
		Preventive Advisory Pest Management					
		Bio-pesticides					
		Any Other (Specify)		4	96706	1950	1910
		Nutrition Awareness					
		Kitchen garden					
		Value Addition and Processing					
		Drudgery Reduction					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
6	Horticulture	Entrepreneurship & Income Generation		4	96706	1950	1910
		Advisory					
		Any Other (Specify)					
		Vegetable					
7	Livestock	Fruit		4	96706	1950	1910
		Hi Tech Horticulture					
		Any Other (Specify)					
		Feed and Fodder					
8	Farm Mechanization	Dairy Management		4	96706	1950	1910
		Fisheries					
		Poultry Management					
		Vaccination & Disease management					
9	Extension	Any Other(Specify)		4	96706	1950	1910
10	Organic Farming			4	96706	1950	1910
11	Marketing			4	96706	1950	1910
12	Awareness			4	96706	1950	1910
13	Any Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Chhindwara	ATMA	State				
Chhindwara	Skill Development	Central				

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs.)	
		OFT			
		FLD(other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Chhindwara	-	125000	-	-

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/ National)	Awarding Organizations	Amount received

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
4000	Cereals	Wheat	JW 3211, JW 3288, Lok 1,JW 3336,MPO 1106, MP 1203, JW 273, HI 8627,MP 1201,MPO1215,JW 366, HI 8663, HI 1544	JW 3211, MPO 1215, HI 1544
	Pulses	Chickpea	JG 14, JG 12, JG 63, JG 14, Black gram	JG 14
		Pea	AP 3, Arkil, Polo, Golden	Golden
	Oilseeds	Linseed	JLS 23, JLS 27, JLS 65, JLS 66, JLS 79, PKDL 26, PKDL 148, KBA 4	JLS 65, 66
		Mustard	PusaJaikisan, Pusatarak	PusaJaikisan
	Other	Quinova	Quinova	Quinova

22. Farm Innovators

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1	Chhindwara	Smt. Uma Soni	Value addition in traditional food..	Chhindwara -	Chhindwara - 8770509921
2	Chhindwara	Sh Sharad Chavhan	Gerbera cultivation in poly house	Gadarwara, Linga, Mohkhed,-	Gadarwara, Linga, Mohkhed,-9425819830
3	Chhindwara	Sh Mer Singh Choudhary	Cabbage	Khirkapura , Chhindwara -	Khirkapura , Chhindwara -9424903062
4	Chhindwara	ShAvinash Gupta	Organic wheat and Vegetable production	Chandangaon, Chhindwara-	Chandangaon, Chhindwara-9424749122
5	Chhindwara	Sh Madhusudan Tonpe	Hi-Tech Papaya cultivation	Teegaon, Pandurna-	Teegaon, Pandurna-9425897457
6	Chhindwara	Sh Ranveer Ashok	Onion seed production, Garlic	Siregaon, Parasia-	Siregaon, Parasia-9893886744
7	Chhindwara	ShRamnarayan Maheshwari	Agro horticulture	Chand, Chouri-	Chand, Chouri- 9425838569
8	Chhindwara	Sh Narendra Thakre	Organic orange and Hy. Chilli	Borgaon, Pandurna-	Borgaon, Pandurna-9584158560
9	Chhindwara	Sh Sudhakar Thakre	BT cotton and orange production	TeegaonPandurna-	Teegaon Pandurna-9806418771
10	Chhindwara	Sh Subhash Charpe	Hi-Tech tomato	Umranal, Mohkhed-	Umranal, Mohkhed-9424362134
11	Chhindwara	Sh Santosh Dongre	Garlic and Tomato cultivation	Ajani, Mohkhed	Ajani, Mohkhed 9424362134

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Chhindwara	February 2020	50
Chhindwara	May 2020	52
Chhindwara	September 2020	45

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Chhindwara	08	11	5	11	41	1245

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, and Awarenessprogrammes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation
Chhindwara	Gram	10 ha	10		2	115	

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Chhindwara	Betul				

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks

28. Status of KVK Website during Jan to Dec. 2020

S.No.	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
1	Chhindwara	2010	http://jnkvv.org/JNKVV_EXTENSION/EXTENSION_KVK_Index.aspx?CC=2001		

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Chhindwara				

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	Gosthies			
	Lectures organized			
	Exhibition			

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	Film show			
	Fair			
	Farm/ Field Visit			
	Diagnostic Practical's			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Distribution of Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No.of participants

Animal health camps organized

Name of KVK	Number of camps	No.of animals Attended	No.of farmers Benefitted

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Saplings				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Chhindwara	5	-

5. KVK, Chhindwara-II

Proposed Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	08	40			
FLDs – Oilseeds (activity in ha)	-	-			
FLDs – Pulses (activity in ha)	-	-			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	-	-			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	-	-			
Training-Farmers and farm women	17	1400			
Training-Rural youths	12	2400			
Training- Extension functionaries	146	Mass			
Extension Activities	45	4580			
Seed Production (Number of activity as seeds in quintal)	50	-			
Planting material ((Number of activity as quantity of planting material in quintal)	1000				
Seedling Production (Number of activity as number of seedlings in numbers)	2500				
Sapling Production (Number of activity as number of sapling in numbers)	1000				
Other Bio- products (No. of quantity)	50				
Live stock products	-				
Activities of Soil and Water Testing Laboratory	-				
Rainwater Harvesting System	5	5			
Kisan Mobile Advisory (KVK-KMA)	48	20000			
SAC Meeting (Date & no. of core/ official members)	2				
Literature to be Developed/Published	5000	5000			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Convergence programmes / Sponsored programmes	5	250			
Utilization of Farmers Hostel	-	-			
Utilization of Staff Quarters	-	-			
Details of KVK Agro-technological Park	-	-			
Crop Cafeteria-	5	Mass			
Farm Innovators- list of 10 farm innovators from the District	-	-			
Status of Revolving Funds	-				
Awards and Recognitions	1				
Case study / Success Story to be developed	4				
KVK Progressive Farmers interaction	10				
Outreach of KVK in the District (No. of blocks, no. of villages)	200				
Technology Demonstration under Tribal Sub Plan	70				
KVK Ring	3				
Important visitors to KVK	-				
Status of KVK Website	-				
Status of RTI	-				
E-connectivity	-				
Details of Technology Week Celebrations	-				
Interventions on Drought Mitigation	-				
Sansad Adarsh Gram	-				
Other Activities	-				

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
KVK-II Tamia	16	1	1	6	0	3	2	6	0	16	3

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Dr. S. D. Sawarkar	Soil Sc.	Ph. D.	Soil Fertility	37400 - 67000 + 10000 GP	72860	01.08.2014	Permanent
SMS/ Scientist 1	Vacant	-	-	-	-	-	-	-
SMS/ Scientist 2	Vacant	-	-	-	-	-	-	-
SMS/ Scientist 3	Vacant	-	-	-	-	-	-	-
SMS/ Scientist 4	Vacant	-	-	-	-	-	-	-
SMS/ Scientist 5	Vacant	-	-	-	-	-	-	-
SMS/ Scientist 6	Vacant	-	-	-	-	-	-	-
Prog. Assist.	Shri R. P. Tripathi	-	-	BSc. (Sci)	-	-	-	Permanent
Prog. Assist./ Farm Manager (Attached in KVK, Chhindwara)	Dr. S. K. Ahirwar	Agronomy	Ph. D.	Agronomy	Level10, Index 05	52500	1.1.2020	Permanent
Computer Programmer	Vacant	-	-	-	-	-	-	-
Accountant / superintendent	Vacant	-	-	-	-	-	-	-
Stenographer	Vacant	-	-	-	-	-	-	-
Driver	Vacant	-	-	-	-	-	-	-
Driver	Vacant	-	-	-	-	-	-	-
Supporting staff, if any	Vacant	-	-	-	-	-	-	-
Supporting staff, if any	Vacant	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
KVK -II, Tamia	Satpura plateau	11	784	2090922	1294198 (71.16%)	891335	1032938	2.80 ha

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
KVK -II, Tamia	Kursidhana	2020	Tamia	20 Km.	825	552
KVK -II, Tamia	Lahgadua	2020	Tamia	15 Km.	680	488
KVK -II, Tamia	Tursi	2020	Parasia	25 Km.	750	602
KVK -II, Tamia	Kohka	2020	Parasia	35 Km.	885	486
KVK -II, Tamia	Mehloan	2020	Amarwara	33 Km.	680	570
KVK -II, Tamia	Simariya Multani	2020	Amarwara	82 Km.	850	500

1.4 THRUST AREAS identified by KVK

KVK Name	Thrust area
KVK -II, Tamia	Organic Farming
KVK -II, Tamia	Drudgery reduction
KVK -II, Tamia	Dairy farming
KVK -II, Tamia	Goat farming
KVK -II, Tamia	Kadaknath Farming
KVK -II, Tamia	Integrated Farming system
KVK -II, Tamia	Sericulture
KVK -II, Tamia	Micro Irrigation
KVK -II, Tamia	Fodder Management
KVK -II, Tamia	Integrated Nutrient Management
KVK -II, Tamia	Farm Machinery
KVK -II, Tamia	Fodder Management
KVK -II, Tamia	Basket and <i>Dona Pattal</i> making
KVK -II, Tamia	Medicinal crop production

KVK Name	Thrust area
KVK -II, Tamia	Traditional Varieties conservation
KVK -II, Tamia	Forest produce processing and value addition
KVK -II, Tamia	Bee keeping

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block	
			Village	Block
KVK -II, Tamia	Low yield due to shallow soil with poor fertility		Kursidhana Lahgadua Tursi Kohka Mehloan Simariya Multani	Tamia Tamia Parasia Parasia Amarwara Amarwara
KVK -II, Tamia	Non availability of green fodder round the year			
KVK -II, Tamia	Low productivity and			
KVK -II, Tamia	Lack of income generation activities			
KVK -II, Tamia	Perishability of fruits and vegetables			
KVK -II, Tamia	Non availability of green fodder round the year			
KVK -II, Tamia	Less Awareness of Poultry farming			
KVK -II, Tamia	Low Organic carbon content			
KVK -II, Tamia	Undulated/ sloppy Soil			
KVK -II, Tamia	Much time and energy expended by farm women in agricultural work i.e. intercultural operations			
KVK -II, Tamia	No use of biomass in soil			
KVK -II, Tamia	Use of substandard seed			
KVK -II, Tamia	No use of Value addition and food processing			
KVK -II, Tamia	Non availability of technical know-how in critical time			
KVK -II, Tamia	Lack of suitable Variety of crop			
KVK -II, Tamia	Low cropping intensity due to Mono cropping system			
KVK -II, Tamia	Poor draft Animal/ Low milching Animals			
KVK -II, Tamia	Poor living standard			

2. On Farm Testing (OFT)

2.1- On –Farm Testing

OFT: 1 - Agronomy

Title of on-farm trial:	Assessment of improved variety of Maize
Year/Season:	Kharif, 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to old unidentified variety (80%)
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety (Unidentified)
T2 –Recommended Practice-	JM – 216
T3- Recommended Practice-	JM – 218
Date of sowing:	15 July 2020 expected
Date of harvesting:	25 Oct. 2020 expected
Source of technology:	JNKVV, 2018
Characteristics of technology:	HYV, pest resistant
Name of Crop/Enterprises:	Maize
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Cob	No				
T2(Recommended	Infected plant	No				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Practice)	Yield	q/ha				
T3(Recommended Practice)	B:C	ratio				

OFT: 2 - Agronomy

Title of on-farm trial:	Assessment of SRI in low land area with improved Variety in rice
Year/Season:	Kharif, 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to old unidentified variety (90%)
Thematic area:	Sowing method with Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Seed sowing through Broad casting and use Old variety (Unidentified)
T2 –Recommended Practice-	SRI with MTU 1010
T3- Recommended Practice-	SRI
Date of sowing:	15 July 2020 expected
Date of harvesting:	25 Nov. 2020 expected
Source of technology:	JNKVV, 2016
Characteristics of technology:	HYV requirement of low seed, more tillers
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Capitula Yield B:C	No q/ha ratio				
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT: 3 – Agronomy

Title of on-farm trial:	Assessment of INM in Pigeon pea
Year/Season:	2020 / Kharif
Farming situation:	Rainfed
Problem diagnosis:	No use or Indiscriminate use of Fertilizers (Intensity 80-90 %)
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of fertilizer (Farmer Practices)
T2 –Recommended Practice-	2.5 tone FYM + : 15: 30:15 :: N: P: K (kg/ha)
T3- Recommended Practice-	2.5 tone FYM+ 10: 15: 10 :: N: P: K (kg/ha) + 2 kg PSB + 2kg Rhizobium Culture
Date of sowing:	10 June 2020
Date of harvesting:	15 Nov. 2020
Source of technology:	IGKV, 2014
Characteristics of technology:	Timely sowing
Name of Crop/Enterprises:	Pigeon pea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Branch Pod/Plant Yield B:C	No No q/ha ratio				
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT: 4- Agronomy

Title of on-farm trial:	Assessment of High Yielding Variety of Niger
Year/Season:	2020 / Kharif
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to unsuitable variety (Intensity 40-50 %)
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety (Unidentified)
T2 –Recommended Practice-	JNS- 28
T3- Recommended Practice-	JNS – 9
Date of sowing:	25 Sept. 2020
Date of harvesting:	30 Dec. 2020
Source of technology:	JNKVV, 2011
Characteristics of technology:	Late sown condition timely sowing
Name of Crop/Enterprises:	Niger
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Capitula Yield B:C	No q/ha ratio				
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT: 5 – Soil Science

Title of on-farm trial:	Assesment of <i>Tricoderma viride</i> in chick pea
Year/Season:	2020/rabi
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to witt, collar rot and root rot (Intensity 40-50 %)
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	JG 315
T2 –Recommended Practice-	JG 130
T3- Recommended Practice-	JG 14
Date of sowing:	15, Nov. 2020 expected
Date of harvesting:	25, Feb 2020 expected
Source of technology:	JNKVV, 2014
Characteristics of technology:	Use multi resistant varieties
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pod Yield B:C	No q/ha ratio				
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT: 6 - Agronomy

Title of on-farm trial:	Assessment of semi-irrigated variety of wheat
Year/Season:	2020/rabi
Farming situation:	Semi- irrigated
Problem diagnosis:	Low yield due to unsuitable variety in semi-irrigated situation (Intensity 70-80 %)
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	JW 366/GW 273
T2 –Recommended Practice-	JW 3288
T3- Recommended Practice-	JW 3211
Date of sowing:	15, Nov. 2020 expected
Date of harvesting:	10, March 2020 expected
Source of technology:	JNKVV, 2016
Characteristics of technology:	Timely sowing under 2-3 three irrigating condition
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Tillers Yield B:C	No q/ha ratio				
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT: 7– Agronomy

Title of on-farm trial:	Assessment of High Yielding Variety of Mustard
Year/Season:	2020 / Rabi
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to unsuitable variety (Intensity 80-90 %)
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety (Unidentified)
T2 –Recommended Practice-	Pusa Tarak
T3- Recommended Practice-	Pusa Jaikisan
Date of sowing:	15 Nov. 2020
Date of harvesting:	10 March. 2020
Source of technology:	JNKVV, 2011
Characteristics of technology:	Timely sowing
Name of Crop/Enterprises:	Mustard
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Siliqua Branch Yield B:C	No No q/ha ratio				
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT: 8 – Agricultural Engineering

Title of on-farm trial:	Assessment of sowing with zero till seed drill in Chickpea
Year/Season:	2020/ <i>rabi</i>
Farming situation:	Rainfed
Problem diagnosis:	High cost of cultivation for land preparation
Thematic area:	Resources Conservation technology
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Seed sowing with normal seed drill after 3 cultivation
T2 –Recommended Practice-	Seed sowing with zero till seed drill after 1 cultivation
T3- Recommended Practice-	Seed sowing with zero till seed drill without cultivation
Date of sowing:	15, Nov. 2020 expected
Date of harvesting:	25, Feb 2020 expected
Source of technology:	JNKVV, 2015
Characteristics of technology:	Sowing of seed with zero till seeddrill without cultivation
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Root depth Branches Yield B:C	cm No q/ha ratio				
T2(Recommended Practice)						
T3(Recommended Practice)						

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed / Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2019-20	Rabi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	Yield, No of fruits/tree	-	-	-	-	-	-	-	-	-	-

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
KVK –II, Tamia				

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
KVK –II, Tamia	

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
KVK –II, Tamia				

5. Training Programmes

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/FW)	Training Type (ONC / OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F &FW	ONC	Horticulture (Vegetable Crops)	Nursery raising	Pro-tray nursery production for vegetable crops	1	3								
FW	OFC	Agronomy (INM)	Use of soluble fertilizer	Use of soluble fertilizer in rabi crop	2	2								
FW	OFC	Agronomy (IFS)	IFS Model for marginal farmers	IFS Model for marginal farmers	2	2								
FW	OFC	Agronomy (Income generation through SHGs)	Income generation to marginal and	SHGs for round the year Income generation	2	3								

Category (F & FW/FW)	Training Type (ONC / OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
			small farmers											
FW	OFC	Agronomy (weed management)	Integrated weed management in kharif crops	Integrated weed management in kharif crops	1	1								
FW	OFC	Agronomy (Organic farming)	Organic farming through Javik Culture	Importance of Jevik culture	1	1								
F &FW	OFC	Agronomy (Seed treatment)	Seed treatment with trichoderma	Importance of Seed treatment with trichoderma Jevik fungicide	1	1								
F &FW	OFC	Agronomy (Fertigation)	Water soluble fertilizer	Use efficiency of water soluble fertilizer	2	2								
F &FW	ONC	Agronomy (Sowing method)	Use of happy seeder for seed sowing	Happy seeder a effective cost management	1	1								
F &FW	ONC	Agronomy (Pulse production and value management)	Pulse production and value management	Pulse production and value addition	1	1								
F &FW	OFC	Agronomy(ITK)	ITK in IPM	IPM in Chickpea, Pigeonpea etc.	2	2								
F &FW	ONC	Agronomy	Precision farming	Crop production with Precision farming	2	2								
F &FW	OFC	Agronomy	Crop rotation	Crop production with crop rotation	1	3								
F &FW	OFC	Agronomy	Intercropping and mixed cropping system	Intercropping and mixed cropping system in Indian agriculture	1	3								

Category (F & FW/FW)	Training Type (ONC / OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F &FW	ONC	Horticulture (Fruits)	Micro irrigation systems of orchards	Drip irrigation technology	1	3								
F &FW	ONC	Horticulture (Fruits)	Plant propagation techniques	Vegetative propagation in fruit crops (Migrant worker)	1	3								
F &FW	ONC	Horticulture (Fruit Plants)	Nursery Management	Nursery management in fruit plant										
F &FW	ONC	Horticulture (Ornamental Plants)	Management of potted plants	Care and management of potted plants	1	1								
F &FW	OFC	Horticulture (Spices)	Production and Management technology	Chilli production technology	1	1								
F &FW	OFC	Horticulture (Medicinal and Aromatic Plants)	Production and management technology	Production and management technology	1	1								
F &FW	ONC	Plant Protection	Integrated Pest Management	Management of red pumpkin beetle	1	1								
F &FW	OFC	Plant Protection	Integrated Pest Management	Management of IPM in Okra	1	1								
F&FW	ONC	Crop Production	Cropping Systems	Intercropping of Maize with trailing type varieties of vegetables.	1	1								
F&FW	OFC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Concept of SHG's, working objects and formation of seed production committee.	1	1								
F&FW	OFC	Capacity Building and Group Dynamics	WTO and IPR issues	Fundamental knowledge of IPR to the farmers.	1	1								
F&FW	OFC	Home Science/Women	Household food	Backyard kitchen gardening	1	1								

Category (F & FW/FW)	Training Type (ONC / OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		empowerment	security by kitchen gardening and nutrition gardening	(Migrant worker)										
F&FW	ONC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Development of low cost food	1	1								
F&FW	OFC	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Low cost food	2	2								
F&FW	ONC	Home Science/Women empowerment	Minimization of nutrient loss in processing	Food nutrient loss in processing	1	1								
F&FW	OFC	Home Science/Women empowerment	Women empowerment	Mushroom production (Migrant worker)	1	1								
F&FW	ONC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Wheel hoe in maize	1	1								
F&FW	OFC	Home Science/Women empowerment	Rural Crafts	Handycraft craft training (Migrant worker)	1	1								
F&FW	ONC	Home Science/Women empowerment	Women and child care	Value addition of Moringa in sattu		1								
F&FW	OFC	Women empowerment	Capacity Building and	Small farm implements and machines	1	1								

Category (F & FW/FW)	Training Type (ONC / OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
			Group Dynamics											
F&FW	ONC	Women empowerment	Integrated Management	Integrated models for doubling the farmer Income	1	1								
F&FW	OFC	Women empowerment	Integrated Management	Integrated Nutrient management in horticulture crops	1	1								
F&FW	ONC	Women empowerment	Custom Haring	Involvement of farm women in PHT	1	1								
F&FW	OFC	Women empowerment	Capacity Building and Group Dynamics	Production and use of organic inputs for safe and quality production in Vegetable crops.	1	1								
F&FW	OFC	Women empowerment	Cropping system	Hybrid maize production technology	1	1								
F&FW	OFC	Women empowerment	Women empowerment	Gender mainstreaming through SHG	1	1								
F&FW	OFC	Agro- forestry	Intercropping	Multi story cropping	1	1								
F&FW	ONC	Horticulture-Fruits	Production and Management technology	Nursery Management of Horticulture crops	2	1								
F&FW	ONC	Capacity Building and Group	Livestock Production and Management	Azolla cultivation and vermicomposting	1	1								
F&FW	ONC	Capacity Building and Group	Livestock Production	Vaccination of Animals	1	1								
F&FW	ONC	Capacity Building and Group	Feed Management	Fisheries production	1	1								

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category	Training Type (ONC / OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY	ONC	Nursery Management of Horticulture crops	Production of healthy planting material (Migrant worker)	1	3								
RY	ONC / OFC	Protected cultivation of vegetable crops	Off season cultivation of vegetable crops	1	1								
RY	ONC	Organic farming	Organic farming with Rhizobium culture	1	2								
RY	ONC/OFC	Irrigation management	Micro irrigation in field crop	1	3								
RY	ONC/OFC	Organic grower	Organic production management	1	1								
RY	ONC/OFC	Seed production	Seed Production technology of hybrid seeds.	1	1								
RY	ONC/OFC	Production of organic inputs	Production of Organic fertilizers and organic cultivation of crops	1	1								
RY	ONC/OFC	Small scale processing	Processing of Potato chips & custard apple	1	1								
RY	ONC/OFC	Post Harvest Technology	Loss in Fruits & vegetables (Migrant worker)	1	1								
RY	ONC	Organic Farming	Double income farming (Migrant worker)	1	2								
RY	ONC/OFC	Azolla cultivation and vermicomposting	Live stock production management (Migrant worker)	1	2								

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
IS		Seed Production	Hybrid seed production	1	1								

Category (IS)	Training Type (ONC/OFC)	Thematic area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
			technology for kharif and rabi crops.										
IS		Formation and Management of SHGs	Organic farming	1	2								
IS		Women and Child care	Post Harvest technology of fruits	1	1								
IS		Low cost and nutrient efficient diet designing	Post Harvest technology of Vegetables	1	2								

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Income generation activities	seed production	Organic crop production	Maize / Wheat											
Income generation activities	Seed production	Seed production technology for kharif and rabi crops.	Maize / Wheat											

Table 5.5. Sponsored Training Programmes:

Client (F &FW/ FW/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durati on (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
F& FW	Crop production	Crop production and management	Increasing production and productivity of crops	1	2											

Client (F &FW/ FW/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durati on (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
RY	Vegetable Crop production	Crop production and management	Commercial production of vegetables	1	2											
F& FW	Value addition	Crop production and management	Production and value addition	1	2											
F& FW	Fruit production	Crop production and management	Fruit Plants	-	-											
FW	Organic farming	Crop production and management	ITK	-	-											
FW	Soil management	Crop production and management	Soil health and fertility management	-	-											
RY	Protective cultivation	Crop production and management	Methods of protective cultivation	1	2											
F& FW	Value addition	Post harvest technology and value addition	Processing and value addition	1	2											
F& FW	Women Empowerment	Home Science	Drudgery reduction of women	1	1											

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Training title	Self employed after training			Number of persons employed else where
	Type of units	Number of units	Number of persons employed	
Animal husbandry (Goat, Cow)	Personal	3	6	20
Kadaknath farming	Personal	5	15	

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
Organic farming	Crop production and management	ITK	RY	1											

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Organic farming	01	
Design and development of low/minimum cost diet	01	
Designing and development for high nutrient efficiency diet	01	
Minimization of nutrient loss in processing	01	
Processing and cooking	01	
Gender mainstreaming through SHGs	01	
Storage loss minimization techniques	01	
Value addition	02	
Women empowerment	02	
Location specific drudgery reduction technologies	01	
Rural Crafts	01	
Women and child care	02	
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture		

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Crop Production	02	
Horticulture	01	
Soil Health and Fertility Management	01	
Livestock Production and Management	02	
Agril. Engineering	02	

Area of Training	Jan-Dec-2020	
	Courses	Participants
Plant Protection	01	
Fisheries	02	
Production of Input at site	01	
Capacity Building and Group Dynamics	02	
Agro forestry	01	

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
ITK	02									

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.)								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Krishak sangosthi	10												
Animal Health Camp	2												
Awareness programme	3												
Celebration of important days	5												
Diagnostic visits	7												
Exhibition	3												
Exposure visits	2												
Ex-trainees Sammelan	1												
Farm advisory Services	10												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.)								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Farmers visit to KVK	15												
Field Day	4												
Group meetings	15												
Kisan Sammelan	4												
Kisan Mela	2												
Krishi Mahotsav	-												
Lectures delivered as resource persons	10												
Mahila Mandals conveners meetings	3												
Method Demonstrations	5												
Pradhanmantri phasal beema yojana	2												
Scientific visit to farmers field	5												
Self Help Group conveners meetings	3												
Soil health Camp	2												
Technology Week	1												
Radio talks	2												
Extension literature	2												
TV talks	1												
Newspaper coverage	5												
Film Show	3												
Others	4												

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	2			

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
TV talks	1			
Newspaper coverage	5			
Internet (Youtube)	2			
Social media (Whats App, Facebook, Instagram, Twitter etc.)	20			
Online trainings through google meet and other apps	5			

7. Literature Developed/Published

7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
KVK -II, Tamia	January to March 2020	Q1	500		
KVK -II, Tamia	April to June 2020	Q2	500		
KVK -II, Tamia	July to September 2020	Q3	500		
KVK -II, Tamia	October to December 2020	Q4	500		

7.2 Literature developed/published

KVK Name	Type	Number of copies
KVK -II, Tamia	Abstract	2
KVK -II, Tamia	Book	1
KVK -II, Tamia	Book Chapter	2
KVK -II, Tamia	Booklet	2
KVK -II, Tamia	Leaflets/ Folder/ Pamphlet	5
KVK -II, Tamia	Popular article	2
KVK -II, Tamia	Technical Bulletin	2
KVK -II, Tamia	Training Manual	1

KVK Name	Type	Number of copies
KVK -II, Tamia	Technical Report	4
KVK -II, Tamia	Year Planner	1

Research paper /Review paper published during Jan to Dec. 2020

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
KVK -II, Tamia	-	-	-	-	-

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
KVK -II, Tamia	-	-	-

8. Production and supply of Technological products

8.1 Seed production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
KVK -II, Tamia	Cereal	Paddy	JR 201	80	400000 (appx.)	-	250

8.2 Planting Material production (Development of mother orchard)

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to no. of farmers	Expected area coverage (ha.)
KVK -II, Tamia	Fruits	Mango	Dashari, langra, tottapari, bomby green etc	100			
KVK -II, Tamia	Fruits	Guava	L -49, Alahabad, Safeda, Gwalior- 27 etc.	50			

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost					
	Azolla	5 kg				
	Earthworms	10 kg				
	Compost	-				
	Blue green algae	-				
	NADEP	-				
	Sanjeewani Khad	-				
	Acetobactor	-				
	Aspergillus	-				
	Azatobactor	--				
	Azospirillum	-				
	Phosphate solublizing Bacteria	-				
	Rhizobium	-				
	Other (pl. sp.)	-				
Bio-Food	Spirulina	--				
	Honey	-				
	Any Other (pl. sp.)	-				
Bio Pesticides	Neem extract	-				
	Neem powder	-				
	Tobacco extract	-				
	Trichoderma viride	-				
	Trichoderma harjinum	-				
	Trichogramma chilonis	-				
	Beauveria bassiana	-				
	Metarhizium anisopliae	-				
	Pseudomonas fluorescens	-				

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	SINPV	--				
	HaNPV	-				
	GF1	-				
	Baco Lures	-				
	Heli Lures	-				
	Leucin Lures	-				
	Paecilomyces	-				
	Panchagavya	-				
	Verticillium	-				
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea	-				
	Tricho card	-				
	Any other (Pl. Specify)	-				
Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis	-				
	Epiricania melanolauca					
Bio Agents(Worms)	Assinia foetida	-				
	Eudrilus eugeniae	-				
	Euclnia Uginae	-				
	Eisenia foetida	-				
	Earth worm	-				
	Any other (pl. specify)	-				
Others	Mushroom spawn	-				
	Mineral Mixture	-				
	Cow dung (dry)	-				
	Any other (pl. specify)	-				

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow	Nil					
	Calves	Nil					
	Goats	Nil					
	Buffaloes	Nil					
	Sheep	Nil					
	Breeding bull	Nil					
	Other (pl specify)	Nil					
Poultry	Poultry	Nil					
	Japanese quail	Nil					
	Japanese quail eggs	Nil					
	Ducks	Nil					
	Turkey	Nil					
	Other	Nil					
Piggery	Piglets	Nil					
	Boar	Nil					
	Sow	Nil					
	Other (pl specify)	Nil					
Fisheries	Indian carp	Nil					
	Exotic carp	Nil					
	Other (pl specify)	Nil					

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020:

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
													Through Mini Soil Testing kit	Through Soil testing laboratory
	Sanctioned	Procured			by KVKs	By Department		By KVK						
			Collected by KVKs	Provided by Dept./DDA	Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory					
Nil														

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
KVK -II, Tamia					

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Name of KVK	Date	Title of the training course	Client	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	
KVK -II, Tamia	Sept 2020	Micro irrigation	F&FW	2									

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
KVK -II, Tamia	NA	NA	NA	NA	NA	NA

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
KVK – II, Tamia	Nil	Nil	Nil	Nil	Nil

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
KVK – II, Tamia	April/May 2020	20	
KVK – II, Tamia	August/September 2020	20	

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020) – Expected

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
KVK – II, Tamia	2000	50	10	260

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No. of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology		4	96706	1950	1910
		Integrated Farming					
		Field Preparation					
		Any Other (Specify)					
2	Weather	Advisory		4	96706	1950	1910
		Change in variety					
		Change in Sowing technique					
		Climate forecast					
		Any Other (Specify)					
3	Soil Management	Soil Testing		4	96706	1950	1910
		INM					
		Fertilizer Application					
		Vermicomposting/ bio-waste recycling					
		Bio-fertilizer					
		Any Other (Specify)					
4	Disease & Pest Management	Disease Management		4	96706	1950	1910
		Pest Management					
		Preventive Advisory Disease Management					
		Preventive Advisory Pest Management					
		Bio-pesticides					
		Any Other (Specify)					
5	Nutrition Security & Women	Nutrition Awareness		4	96706	1950	1910
		Kitchen garden					

S. No.	Thematic area	Particulars	No. of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
	Empowerment	Value Addition and Processing					
		Drudgery Reduction					
		Entrepreneurship & Income Generation					
		Advisory					
		Any Other (Specify)					
6	Horticulture	Vegetable		4	96706	1950	1910
		Fruit					
		Hi Tech Horticulture					
		Any Other (Specify)					
7	Livestock	Feed and Fodder		4	96706	1950	1910
		Dairy Management					
		Fisheries					
		Poultry Management					
		Vaccination & Disease management					
		Any Other(Specify)					
8	Farm Mechanization			4	96706	1950	1910
9	Extension			4	96706	1950	1910
10	Organic Farming			4	96706	1950	1910
11	Marketing			4	96706	1950	1910
12	Awareness			4	96706	1950	1910
13	Any Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
KVK – II, Tamia	ATMA	State				
KVK – II, Tamia	Skill Development	Central				

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
KVK – II, Tamia		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
KVK – II, Tamia	Nil	Nil	Nil	Nil

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/ National)	Awarding Organizations	Amount received
KVK – II, Tamia	-	-	-	-	-

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
2000	Cereals	Rice	JR 201, JR 81, MTU 1010, Pusa Basmati -1 (1460), Jeera Shankar, Kalimoochh,	
	Millets	Kodo	As per available	
	Millets	Kutki	As per available	
	Oilseed	Niger	JNS -9, JNS 28, JNC 1, JNC-6 etc.	
	Cereals	Maize	As per available	
	Pulses	Pigeon pea	As per available	
	Cereals	Wheat	JW 3211, JW 3288, Lok 1, JW 3336, MPO 1106, MP 1203, JW 273, HI 8627, MP 1201, MPO1215, JW 366, HI 8663, HI 1544	
	Pulses	Chickpea	JG 14, JG 12, JG 63, JG 14, Black gram	JG 14
	Vegetable	Pea	AP 3, Arkil, Polo, Golden etc.	Golden
	Oilseed	Mustard	Pusa Jaikisan, Pusa tarak, PM -28,	Pusa Jaikisan
	Other	Quinova	Quinova	Quinova

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1	KVK – II, Tamia				
2	KVK – II, Tamia				

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
KVK – II, Tamia	February 2020	10

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
KVK – II, Tamia	May 2020	15
KVK – II, Tamia	September 2020	10

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
KVK – II, Tamia	05	10	03	05	6	10

Intensive- OFTS, FLDS etc ; **Extensive-** Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation *
KVK – II, Tamia	Nil	-	-	-	-	-	-

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
KVK – II, Tamia	Chhindwara				
KVK – II, Tamia	Betul				
KVK – II, Tamia	Seoni				

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks

28. Status of KVK Website during Jan to Dec. 2020

S. No.	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
1	KVK – II, Tamia	-	-		

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
KVK – II, Tamia	-	-	-	-

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
1	KVK – II, Tamia			

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
KVK – II, Tamia				
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
KVK – II, Tamia		

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
KVK – II, Tamia				

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
KVK – II, Tamia		

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
KVK – II, Tamia	Mr. Vivek Valke	Scientist	-	-	-

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
KVK – II, Tamia	Nil	-

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
KVK – II, Tamia				

36. Details of technology Week celebrations

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
KVK – II, Tamia	Gosthies	15		
	Lectures organized	10		
	Exhibition	5		
	Film show	4		
	Fair	2		
	Farm/ Field Visit	10		
	Diagnostic Practical's	16		
	Distribution of Literature (No.)	500		
	Distribution of Seed (q)	-		
	Distribution of Planting materials (No.)	-		
	Bio Product distribution (Kg)	-		
	Distribution of Bio Fertilizers (q)	-		
	Distribution of fingerlings	-		

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	Distribution of Livestock specimen (No.)	-		
	Total number of farmers visited the technology week	-		
	Animal health camp	-		
	Awareness programme	01		
	Demonstration	26		
	Exposure visit	10		
	Ex-trainees Meet	05		
	Farmer scientist interaction	30		
	Farmers Training	18		
	Gajarghans Unmulan Pakhwada			
	Group Meeting	4		
	Jai Kisan Jai Vigyan Sangoshthi	2		
	Plant Protection Week	2		
	Seed treatment campaign	9		
	Self Help Group convener meet	3		
	Soil health Camp	2		
	Swachha Bharat Abhiyan	2		
	Others (Pl. Specify)	2		

37. Interventions on drought mitigation

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
KVK – II, Tamia	Sorghum	JM 216		
KVK – II, Tamia	Kodo	-		
KVK – II, Tamia	Kutki	-		

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants
KVK – II, Tamia	Feeding		-

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
KVK – II, Tamia	02		

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
KVK – II, Tamia	Kodo			

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
KVK – II, Tamia	-			
Saplings				
KVK – II, Tamia	-			

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers
KVK – II, Tamia				

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
KVK – II, Tamia	-			

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers
KVK – II, Tamia	-			

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
KVK – II, Tamia	-				

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
KVK – II, Tamia	-											

38. Activities for Sansad Adarsh Gram
Information about Sansad Adarsh Gram

Name of KVK	Block	Village
KVK – II, Tamia	-	

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
KVK – II, Tamia	SRI in paddy				
KVK – II, Tamia	Niger				
KVK – II, Tamia	Kodo				
KVK – II, Tamia	Kutki				

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	KVK – II, Tamia
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	KVK – II, Tamia		-

6. KVK, Damoh

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	11	60			
FLDs – Oilseeds (activity in ha)	2.5	10			
FLDs – Pulses (activity in ha)	2.5	10			
FLDs – Cotton (activity in ha)	0	0			
FLDs – Other than Oilseed and pulse crops(activity in ha)	4	40			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	4	41			
Training-Farmers and farm women	38	950			
Training-Rural youths	5	100			
Training- Extension functionaries	8	160			
Extension Activities	571	5000			
Seed Production (Number of activity as seeds in quintal)	800	100			
Planting material ((Number of activity as quantity of planting material in quintal)	6000	60			
Seedling Production (Number of activity as number of seedlings in numbers)	5000	50			
Sapling Production (Number of activity as number of sapling in numbers)	1000	100			
Other Bio- products (No. of quantity)	15.0	15			
Live stock products	1500 lit.	20			
Activities of Soil and Water Testing Laboratory	20	1000			
Rainwater Harvesting System	10	500			
Kisan Mobile Advisory (KVK-KMA)	96	40000			
SAC Meeting (Date & no. of core/ official members)	2	40			
Literature to be Developed/Published	10	1000			
Convergence programmes / Sponsored programmes	2	40			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel	5	50			
Utilization of Staff Quarters	3	3			
Details of KVK Agro-technological Park	10	1000			
Crop Cafeteria-	2	1000			
Farm Innovators- list of 10 farm innovators from the District	10	10			
Status of Revolving Funds	2000000	10			
Awards and Recognitions	5	10			
Case study / Success Story to be developed	2	500			
KVK Progressive Farmers interaction	10	100			
Outreach of KVK in the District (No. of blocks, no. of villages)	40	40000			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	10	100			
Important visitors to KVK	20	500			
Status of KVK Website	10	1000			
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	10	1000			
Interventions on Drought Mitigation	--	-			
Sansad Adarsh Gram	20	500			
Other Activities	5	200			

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Damoh	16	1	1	6	2	3	2	6	3	16	8

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Damoh	Sr. Scientist & Head	Dr. A.K Shrivastava	Horticulture	Ph.D	Horticulture	37400-67000	49830	26.06.94	Gen.
Damoh	SMS/ Scientist 1	Shri B.L. Sahu	Home Science	M.Sc. Ph. D continue	Food Science	15600-39100	23071	25.01.2007	OBC
Damoh	SMS/ Scientist 2	Shri M.K. Ahirwar	Horticulture	M.Sc.(NET)	Horticulture	15600-39100	19810	25.10.11	SC
Damoh	SMS/ Scientist 3	Vacant	-	-	-	-	-	-	-
Damoh	SMS/ Scientist 4	Vacant	-	-	-	-	-	-	-
Damoh	SMS/ Scientist 5	Vacant	-	-	-	-	-	-	-
Damoh	SMS/ Scientist 6	Vacant	-	-	-	-	-	-	-
Damoh	Programme Assistant	Vacant	-	-	-	-	-	-	-
Damoh	Farm Manager	Dr. R.K. Dwivedi	Agronomy	Ph.D	Agronomy	9300-34800	22280	20.4.07	Gen.
Damoh	Computer Programmer	Smt. Reshma Jhariya	Computer	M.Sc.	Computer Application	9300-34800	17740	29.03.2008	SC
Damoh	Accountant / superintendent	Smt. Farhat Jamal	-	B.A.	-	5200-20200	10590	28.11.05	OBC
Damoh	Stenographer	Vacant	-	-	-	-	-	-	-
Damoh	Driver	Pramod Dubey	-	H.S.	-	5200-20200	8030	09.07.08	Gen
Damoh	Driver	P K Kori	-	H.S.	-	5200-20200	8030	18.07.08	SC
Damoh	Supporting staff, if any	Vacant	-	-	-	-	-	-	-
Damoh	Supporting staff, if any	Vacant	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Damoh	Central Zone	7	460	1264319	69.73	412632	114611	1.23

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Damoh	Badankpur	2019	Damoh	17	5421	884
Damoh	Jortala	2019	Pathariya	26	1420	377
Damoh	Pura Payra	2019	Pathariya	32	758	227
Damoh	Khiriya	2019	Damoh	16	836	248
Damoh	Gadaghat	2019	Patera	65	1129	340
Damoh	pathariya	2019	Batiyagarh	63	829	264
Damoh	Pura payra	2019	Pathariya	32	758	227
Damoh	Bhaiskhar	2019	Jabera	64	728	186
Damoh	Samnapur	2019	Tendukheda	72	962	398
Damoh	Sitanagar	2019	Patharia	70	1266	605
Damoh	Kuankheda	2019	Patharia	18	1246	419

1.4. THRUST AREAS identified by KVK

KVK Name	Thrust area
Damoh	Improved Variety
Damoh	Integrated Nutrients Management
Damoh	Integrated Weed Management,
Damoh	Malnutrition
Damoh	Drudgery Reduction
Damoh	Availability of quality seed
Damoh	Crop diversification
Damoh	Rainwater harvesting
Damoh	Integrated pest management
Damoh	Farm mechanization
Damoh	Organic Farming
Damoh	Development of rural entrepreneurship for income and employment generation like Bee Keeping and mushroom cultivation
Damoh	Nutritional security at household level and Development of nutritional garden
Damoh	Promotion of organic farming along with balanced nutrition.
Damoh	Agriculture mechanization

KVK Name	Thrust area
Damoh	Value addition of agricultural produces
Damoh	Soil and water conservation
Damoh	Income generation
Damoh	Resource Management

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Damoh	Imbalance Dose of Fertilizer	PRA	All blocks of Damoh district
Damoh	Use of Old Variety,	PRA	All blocks of Damoh district
Damoh	Insect & Pest infestation	PRA	All blocks of Damoh district
Damoh	Lack of farm mechanization	PRA	All blocks of Damoh district
Damoh	Direct seeding.	Famer field visit, Group discussion	All blocks of Damoh district
Damoh	High weed infestation.	Famer field visit, Group discussion	All blocks of Damoh district
Damoh	Unavailability of quality seed.	Group meeting	All blocks of Damoh district
Damoh	Poor adoption of agronomical practices and use of improved varieties.	Farmer visit, group discussion	All blocks of Damoh district
Damoh	Lack of knowledge of INM	Farmer's Training, Famer field visit, Group discussion	All blocks of Damoh district
Damoh	Integrated Disease Management	Famer field visit, Group discussion	All blocks of Damoh district
Damoh	Unawareness about value addition & processing of agricultural produce	Famer field visit, Trainings & Demonstrations, Group discussion	All blocks of Damoh district
Damoh	Unawareness about processing of honey	Farmer's Training, Famer field visit, Group discussion	All blocks of Damoh district
Damoh	Lack of rural entrepreneurship for income and employment generation .	Farm women Training, Famer field visit, Group discussion	All blocks of Damoh district
Damoh	Lack of knowledge Nutritional security at household level	Farm women Training Famer field visit, Group discussion,	All blocks of Damoh district
Damoh	Post harvest losses in pulses & vegetables	Farmer's Training, Famer field visit, Group discussion	All blocks of Damoh district

2. On Farm Testing (OFT)

2.1 Information about OFT:

Title of on-farm trial:	Assessment of drought resistant rice variety DRR-42
Year/Season:	Kharif 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Low yield of rice due to early withdrawal of monsoon
Thematic area:	Natural Resource management (Varietal replacement)
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of old variety i.e. JR 36,HMT
T2 –Recommended Practice-	Cultivation of Rice variety DRR 42
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	
Characteristics of technology:	Rice variety DRR 42, Maturity 110 days, BPH and blight resistant.
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of Pendimethline 38 cs@750 g ai lit./ha in pre emergence weed management in chickpea.
Year/Season:	Rabi 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Low yield of chickpea due to weed infestation in initial stage
Thematic area:	Integrated weed management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of pre emergence weedicide
T2 –Recommended Practice-	Use of Pendimethline 38 cs@750 g ai lit./ha just after sowing of Chickpea control
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	NRC –WS 2014
Characteristics of technology:	
Name of Crop/Enterprises:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of high yielding wheat variety JW 3382
Year/Season:	Rabi 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Low yield of wheat due to old variety Lok 1
Thematic area:	NRM (Varietal replacement)
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Cultivation of Wheat variety Lok 1
T2 –Recommended Practice-	High yielding Wheat variety JW 3382
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV 2015
Characteristics of technology:	
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of Monocrotophos 36 % SL in Water chestnut
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to infestation of Singhara beetal
Thematic area:	Integrated Pest Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of insecticide of Water chestnut.
T2 –Recommended Practice-	Monocrotophos 36 % SL @ 1liter per acre in Water chestnut
T3- Recommended Practice-	-
Date of sowing:	Nursery-January 2020 and Planting July-August 2020
Date of harvesting:	November 2020 to January 2021
Source of technology:	JNKVV 2011
Characteristics of technology:	Spray of Monocrotophos 36 % SL @ 1liter per acre for management of Singhara beetal
Name of Crop/Enterprises:	Water chestnut
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of improved variety of Papaya (Arka Surya)
Year/Season:	Kharif and Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to use of old variety
Thematic area:	HOV
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of Local variety
T2 –Recommended Practice-	Improved variety of Papaya (Arka Surya)
T3- Recommended Practice-	-
Date of sowing:	June-July 2020
Date of harvesting:	Januay-March 2021
Source of technology:	IIHR 2014
Characteristics of technology:	Resistant to YMV and High yielding variety
Name of Crop/Enterprises:	Papaya
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha				
T2(Recommended Practice)	Yield	q/ha				
T3(Recommended Practice)	-	-	-	-	-	-

Title of on-farm trial:	Assessment of Improved variety of Garlic (Amletha)
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to old variety
Thematic area:	HOV
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of Local variety
T2 –Recommended Practice-	Improved variety of Garlic (Amletha)
T3- Recommended Practice-	-
Date of Sowing	October 2020
Date of harvesting:	March 2021
Source of technology:	Research center Nasik 2013
Characteristics of technology:	Big size seed and high yielding variety
Name of Crop/Enterprises:	Garlic
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha				
T2(Recommended Practice)	Yield	q/ha				
T3(Recommended Practice)	-	-	-	-	-	-

Title of on-farm trial:	Assessment of improved variety of Fenugreek (RMT 1)
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to old variety
Thematic area:	HOV
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of Local variety
T2 –Recommended Practice-	Improved variety of Fenugreek
T3- Recommended Practice-	-
Date of sowing:	October 2020
Date of harvesting:	February-March 2021
Source of technology:	RAU Jobnar
Characteristics of technology:	Tolerant to Powdey mildew, root rots
Name of Crop/Enterprises:	Fenugreek
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha				
T2(Recommended Practice)	Yield	q/ha				
T3(Recommended Practice)	-	-	-	-	-	-

2.2. Information about Extension OFT: Nil

Title	
Season & Year	
Problem identified	
Thematic Area	
Farming situation	
Name of Technology under study	
Farmers Practice	
No. of replication (Farmers)	

Results / findings

Performance indicators/ parameters	Unit/ details

2.3. Information about Home Science OFT: 1

Title of on-farm trial:	Assessment of Water chestnut Decorticator to separation of seed kernel from water chestnut by Farm women
Year/Season:	Rabi -2020
Problem diagnosis:	High Drudgery In Farm Women During Decortication of Water Chestnut
Thematic area:	Women In Agriculture (Drudgery Reduction)
No of trials:	05
No. of farmers/farm women involved	05

Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Separation of seed kernel from water chestnut through sickle by farm women
T2 –Recommended Practice-	Separation of seed kernel through water chestnut decorticator by farm women
Source of technology:	CAIE 2010
Characteristics of technology:	Drudgery reduction during decortication of water chestnut in farm women
Name of Crop/Enterprises:	Water chestnut Decorticator
Farming situation:	-
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Dept. Personnel	-
Feedback	-

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

***Kindly use Unit as per the machine/implement/equipment used for drudgery reduction**

OFT: 2

Title of on-farm trial:	Assessment of processing of Water chestnut through preparation of Water chestnut flour
Year/Season:	Kharif & Rabi 2020
Problem diagnosis:	Low income of farm women due to no processing of Water chestnut
Thematic area:	Women in agriculture (Income Generation)

No of trials:	05
No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Selling of raw and boiled Water chestnut at Local level
T2 –Recommended Practice-	Preparation of Water chestnut flour+ Market linkage
Source of technology:	JNKVV 2016
Characteristics of technology:	Increasing shelf life of Water chestnut through processing of Water chestnut flour
Name of Crop/Enterprises:	Enterprises:
Farming situation:	-
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

Title of on-farm trial:	Assessment of value addition in Lemon of farm women
Year/Season:	Kharif 2020
Problem diagnosis:	Low income of farm women due to no value addition of Lemon

Thematic area:	Women in agriculture (Value addition)
No of trials:	05
No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Only lemon pickle is prepared at household level
T2 –Recommended Practice-	Processing and value addition of lemon through development of lemon pickle and squesh prepared
Source of technology:	JNKVV 2014
Characteristics of technology:	Increasing shelf life of lemon through value addition
Name of Crop/Enterprises:	Enterprises:
Farming situation:	-
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

Title of on-farm trial:	Assessment of Bio fortified variety of Wheat for nutritional security for Farm family
Year/Season:	Rabi 2020
Problem diagnosis:	Nutritional deficiency of malnourished people

Thematic area:	Women in agriculture (nutritional security)
No of trials:	10
No. of farmers/farm women involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	No use of Bio fortified Wheat variety
T2 –Recommended Practice-	Promotion of Bio fortified variety of Wheat (Poshan) HI 8663
Source of technology:	IARI 2016
Characteristics of technology:	High Zinc and Protein enrichment
Name of Crop/Enterprises:	Wheat
Farming situation:	Irrigated
Date of sowing:	November 2020
Date of harvesting:	March 2021
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/ enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated /semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	Varietal Evaluation	Demonstration soybean variety JS20-34 early maturity 85 days	Oilseed	soybean	JS20-34	Rainfed		2.5								10
2020-21	Rabi	Crop Production	Demonstration efficiency of water soluble fertilizer (19 : 19: 19 N:P:K) in chickpea variety JG 12 under rain-fed condition	Pulse	chickpea	JG 12	Rainfed		2.5								10
2020	Kharif	HOF	Demonstration	Fruit	guava	-	Irrigated		1.0								10

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated /semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			training & pruning practices in guava orchard														
2020	Kharif	HOV	Demonstration pinching effect in Okra	Vegetable	Okra	-	Irrigated		1.0								10
2020-21	Rabi	Resource conservation Technology	Demonstration Rose Production with poly mulch and drip irrigation under poly house condition	Flower	Rose	-	Irrigated		1.0								10
2020-21	Rabi	Resource conservation Technology	Demonstration Tomato Production under Drip & Poly Mulch	Vegetable	Tomato	-	Irrigated		1.0								10

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			with stacking														

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Tech nology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	S T	Oth	Gen	Total

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Rabi	Nutritional security	Performance of reduction in malnutrition among farm women through incorporation of drumstick product in human diet	drumstick	PKM 1	12								
2020	Kharif , Rabi & Summer	Income generation	Demonstration of Bee keeping	Bee keeping	Bee keeping	5								
2020	Kharif & Rabi	Nutritional Security	Demonstration of Nutritional garden	Nutritional garden	Nutritional garden	12								
2018-19	Kharif & Rabi	Value addition	Demonstration of processing and value addition Milk and Milk products	Value addition of Milk (Paneer, Ghee, buttermilk)	Processing and value addition of Milk & Milk products (Paneer, Ghee, buttermilk)	12								

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)							Anthropometric measurements							
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))		
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Damoh	Chickpea	Training, Field Day, Diagnostic visit, Sangosthi etc.	10	200	
Damoh	Soybean	Training, Field Day, Diagnostic visit, Sangosthi etc.	10	200	

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F &FW/FW)	Training Type (ON C/OF C)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F &FW	OFC	Crop Production	Weed Management	Fertilizer and weed management in paddy and soybean.	1	1								
F &FW	OFC	Crop Production	Resource Conservation Technologies	Organic manure production technology	1	1								
F &FW	OFC	Crop Production	Cropping Systems	Seed production of soybean	1	1								
F &FW	OFC	Crop Production	Cropping Systems	Seed production of gram	1	1								
F &FW	OFC	Crop Production	Crop Diversification	Production technology of Lentil	1	1								
F &FW	OFC	Crop Production	Integrated Farming	Training on SPI	1	1								
F &FW	OFC	Crop Production	Integrated Farming	Training on SMI	1	1								
F &FW	OFC	Crop Production	Seed production	Seed production of Black gram	1	1								
F &FW	OFC	Crop Production	Seed production	Seed Production of Soybean	1	1								
F &FW	OFC	Crop Production	Seed production	Seed Production of Chickpea	1	1								

Category (F & FW/F W)	Training Type (ON C/OF C)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F & FW	OFC	Crop Production	Seed production	Seed Production of wheat	1	1								
F & FW	ONC	Crop Production	Integrated Crop Management	Wilt management in major pulse crops	1	1								
F & FW	ONC	Crop Production	Soil & water conservation	Water management in wheat crop	1	1								
F & FW	ONC	Crop Production	Integrated nutrient Management	Importance of seed treatment in field crops.	1	1								
F & FW	ONC	Crop Production	Production of organic inputs	Use of light trap in organic forming	1	1								
F & FW	ONC	Horticulture (Vegetable Crops)	Production of low volume and high value crops	Production technology of Broccoli	1	1								
F & FW	ONC	Horticulture (Vegetable Crops)	Off season vegetables	Pinching effect in Okra	1	1								
F & FW	ONC	Horticulture (Vegetable Crops)	Protective cultivation	Tomato Production under Drip & Poly Mulch with stacking	1	1								
F & FW	ONC	Horticulture (Vegetable Crops)	Others(Production and Management technology)	Improved Production technology of Fenugreek	1	1								
F & FW	ONC	Horticulture (Fruits)	Training and Pruning	Training and Pruning practices in Guava Orchard	1	1								
F & FW	OFC	Horticulture (Fruits)	Cultivation of Fruit	Production technology of Papaya	1	1								
F & FW	OFC	Horticulture (Fruits)	Micro irrigation	Drip irrigation technology	1	1								

Category (F & FW/F W)	Training Type (ON C/OF C)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
			systems of orchards	in Guava Orchard										
F & FW	OFC	Horticulture (Ornamental Plants)	Export potential of ornamental plants	Rose Production with poly mulch and drip irrigation under poly house condition	1	1								
F & FW	OFC	Horticulture(Spices)	Production and Management technology	Improved Production technology of Garlic	1	1								
F & FW	OFC	Horticulture(Medicinal and Aromatic Plants)	Production and management technology	Production and management technology of Lemon grass	1	1								
F & FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nutritional garden	1	1								
F & FW	ONC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nutritional garden	1	1								
F & FW	OFC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Utilization of drumstick product in human diet	1	1								
F & FW	OFC	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Income generation through bee keeping	1	1								
F & FW	ONC	Home	Minimization of	Value addition in Water	1	1								

Category (F & FW/F W)	Training Type (ON C/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Science/Women empowerment	nutrient loss in processing	chestnut										
F & FW	ONC	Home Science/Women empowerment	Processing & cooking	Processing and value addition of Milk & Milk products	1	1								
F & FW	OFC	Home Science/Women empowerment	Gender mainstreaming through SHGs	Role of Farm women's in Agricultural practices at rural level	1	1								
F & FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques	Safe storage of grains	1	1								
F & FW	ONC	Home Science/Women empowerment	Value addition	Value addition in lemon through development of lemon pickles and squash	1	1								
F & FW	OFC	Home Science/Women empowerment	Women empowerment	Income generation of Farm women through Vermicomposting	1	1								
F & FW	OFC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Drudgery reduction in Farmwomen through decorticator of Water chestnut & Groundnut	1	1								
F & FW	OFC	Home Science/Women empowerment	Women and child care	Health and Hygiene	1	1								
F & FW	OFC	Production of Input at site	Vermicompost production	Production technology of Vermicompost	1	1								

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Name of KVK	Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Damoh	RY	ONC	Training and pruning of orchards	Training and pruning of Guava orchards	1	3								
Damoh	RY	ONC	Protected cultivation of vegetable crops	Tomato Production under Drip & Poly Mulch with stacking	1	2								
Damoh	RY	ONC	Seed production	Quality seed production	1	2								
Damoh	RY	ONC	Bee keeping	Beekeeping	1	2								
Damoh	RY	ONC	Value addition	Fruits & Vegetable preservation	1	2								

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Name of KVK	Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Damoh	IS	ONC	Productivity enhancement in field crops	Production technology of field crops	1	2								
Damoh	IS	ONC	Integrated Pest Management	IPM in Kharif crops	1	1								
Damoh	IS	ONC	Integrated Nutrient management	INM in Rabi Crops	1	1								
Damoh	IS	ONC	Rejuvenation of old orchards	Rejuvenation of Mango orchards	1	1								
Damoh	IS	ONC	Protected cultivation technology	Protected cultivation of vegetable crops	1	1								

Name of KVK	Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4		6	7	8	9	10	11	12	13	14	15
Damoh	IS	ONC	Women and Child care	Health and personal Hygiene	1	1								
Damoh	IS	ONC	Low cost and nutrient efficient diet designing	Enrichment of locally available food stuff in human diet	1	1								
Damoh	IS	ONC	Household food security	Nutritional Garden	1	1								

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Crop production and management	Commercial vegetable production	Nursery management of vegetable crops	Vegetable	Nursery Management	1	1								
Crop production and management	Integrated crop management	Integrated farming system	crop	Crop production	1	1								
Post harvest technology and value addition	Value addition	Badi & Papad making	Badi & Papad	WOE (Value addition)	1	1								

Table 5.5. Sponsored Training Programmes

Client (F &FW/ FW/ RY/ IS)	Title	Thematic area	Sub-theme	Trainin g Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund receiv ed for training (Rs.)
							Gen		Oth		SC		ST			
							M	F	M	F	M	F	M	F		
	Quality seed production	Crop production and management	Increasing production and productivity of crops	Quality seed produc tion	25	1									SDMS	-
	Beekeeping	Post harvest technology and value addition	Processing and value addition	Beekee ping	25	1										

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Damoh	Nutritional Garden	Nutritional Security		-	
Damoh	Promotion of Bifortified variety of Wheat	Nutritional Security		-	

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	03	76
Design and development of low/minimum cost diet	0	0
Designing and development for high nutrient efficiency diet	01	25
Minimization of nutrient loss in processing	01	19
Processing and cooking	03	78
Gender mainstreaming through SHGs	02	48
Storage loss minimization techniques	0	0
Value addition	1	28
Women empowerment	0	0
Location specific drudgery reduction technologies	0	0
Rural Crafts	0	0
Women and child care	0	0
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	1	20

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Crop Production	16	552
Horticulture	10	223
Soil Health and Fertility Management	0	0
Livestock Production and Management	02	45
Agril. Engineering	0	0
Plant Protection	03	73
Fisheries	0	0
Production of Input at site	04	86
Capacity Building and Group Dynamics	0	0
Agro forestry	02	47

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.)								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic	0												
Animal Health Camp	02												
Awareness programme	10												
Celebration of important days	14												
Diagnostic visits	13												
Exhibition	10												
Exposure visits	4												
Ex-trainees Sammelan	6												
Farm advisory Services	14												
Farmers visit to KVK	375												
Field Day	4												
Group meetings	12												
Kisan Ghosthi/Sammelan	8												
Kisan Mela	4												
Krishi Mahotsav	2												
Lectures delivered as resource	48												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.)								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
persons													
Mahila Mandals conveners meetings	2												
Method Demonstrations	4												
Pradhanmantri phasal beema yojana	1												
Scientific visit to farmers field	15												
Self Help Group conveners meetings	1												
Soil health Camp	8												
Soil test campaigns	12												
Technology Week	1												
Radio talks	2												
Extension literature	2												
TV talks	1												
Newspaper coverage	12												
Film Show	4												
Others	4												

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	04			
TV talks	01			
Newspaper coverage	12			
Internet (Youtube)	02			
Social media (Whats App, Facebook, Instagram, Twitter etc.)	25			

7. Literature Developed/Published

7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.)
Damoh	January to March 2020	Q1	1000		
Damoh	April to June 2020	Q2	1000		
Damoh	July to September 2020	Q3	1000		
Damoh	October to December 2020	Q4	1000		

7.2 Literature developed/published

KVK Name	Type	Number of copies
Damoh	Abstract	04
Damoh	Book	01
Damoh	Book Chapter	01
Damoh	Booklet	01
Damoh	Leaflets/ Folder/ Pamphlet	04
Damoh	Popular article	04
Damoh	Technical Bulletin	04
Damoh	Training Manual	02
Damoh	Technical Report	30
Damoh	Year Planner	01
Damoh	Others (pl. specify)	05

Research paper /Review paper published during Jan to Dec. 2020

Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Damoh	CD		04
Damoh	DVD		02

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Damoh	Oilseed (Breeder Seed)	Soybean					
Damoh	Pulse (Breeder Seed)	Chickpea					
Damoh	Pulse (Under Seed hub)	Black Gram (C-1)					
Damoh	Pulse (Under Seed hub)	Chickpea (C-1)					

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Damoh	Fruit Crops	Drumstick	PKM 1	500			
Damoh	Fruit Crops	Papaya	Pusa Nanha	500			
Damoh	Solenace	Tomato	Satyam	1000.			
Damoh	Solenace	Brinjal	Harit	1000.			
Damoh	Solenace	chilli	Dhisha	1000.			
Damoh	Cole crops	Cabbage	Green challenger	1000.			
Damoh	Cole crops	Cauliflower	Mahi	1000.			

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost	10000				
	Azolla					
	Earthworms					
	Compost					
	Blue green algae					
	NADEP	5000				

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Sanjeevani Khad					
	Acetobactor					
	Aspergillus					
	Azotobactor					
	Azospirillum					
	Phosphate solubilizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					
Bio-Food	Spirulina					
	Honey					
	Any Other (pl. sp.)					
Bio Pesticides	Neem extract					
	Neem powder					
	Tobacco extract					
	Trichoderma viride					
	Trichoderma harzianum					
	Trichogramma chilonis					
	Beauveria bassiana					
	Metarhizium anisopliae					
	Pseudomonas fluorescens					
	SINPV					
	HaNPV					
	GF1					
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea					
	Tricho card					
	Any other (Pl. Specify)					
Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis					
	Epiricania melanolauca					
Bio Agents(Worms)	Assinia foetida					
	Eudrilus eugeniae					
	Euclnia Uginae					
	Eisenia foetida					
	Earth worm					
	Any other (pl. specify)					
Others	Mushroom spawn					
	Mineral Mixture					
	Cow dung (dry)					
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				Unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow	Holstein Frozen	Vermin Compost & Cow milk				
	Calves	Holstein Frozen	Vermin Compost				
	Goats						
	Buffaloes						
	Sheep						
	Breeding bull						
	Other (pl specify)						

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				Unit (kg/qt./liter/no)	Qty.		
Poultry	Poultry						
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
	Other						
Piggery	Piglets						
	Boar						
	Sow						
	Other (pl specify)						
Fisheries	Indian carp						
	Exotic carp						
	Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
	Sanc tion ed	Proc ured	Collec ted by KVKs	Provide d by Dept./ DDA	Mini Soil Testing kit	Soil testing laborator y	By Depart ment	By KVK	By KVK	By Depart ment			Through Mini Soil Testing kit	Through Soil testing laboratory
Yes	02	02	1000											

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Damoh					

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
			02									50

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Damoh	02	02		30	50

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								Total
				SC		ST		Other		General		
				Male	Female	Male	Female	Male	Female	Male	Female	
			02									

12. Utilization of Farmers Hostel facilities

Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
March	2020	20	25	-	30
March	2020	20	25	-	30

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Damoh	2011	2012	03	03	Transfer

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Damoh			

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Damoh	1000	30	20	1050

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology		10			
		Integrated Farming		2			
		Field Preparation		2			
		Any Other (Specify)		0			
2	Weather	Advisory		5			
		Change in variety		2			
		Change in Sowing technique		2			
		Climate forecast		5			
		Any Other (Specify)		0			
3	Soil Management	Soil Testing		2			
		INM		2			
		Fertilizer Application		2			
		Vermicomposting/ bio-waste recycling		1			
		Bio-fertilizer		1			

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Any Other (Specify)		0			
4	Disease & Pest Management	Disease Management		2			
		Pest Management		2			
		Preventive Advisory Disease Management		2			
		Preventive Advisory Pest Management		2			
		Bio-pesticides		2			
		Any Other (Specify)		0			
5	Nutrition Security & Women Empowerment	Nutrition Awareness		2			
		Kitchen garden		2			
		Value Addition and Processing		2			
		Drudgery Reduction		2			
		Entrepreneurship & Income Generation		2			
		Advisory		2			
		Any Other (Specify)		0			
6	Horticulture	Vegetable		4			
		Fruit		3			
		Hi Tech Horticulture		1			
		Any Other (Specify)		0			
7	Livestock	Feed and Fodder		2			
		Dairy Management		4			
		Fisheries		0			
		Poultry Management		0			
		Vaccination & Disease management		2			
		Any Other(Specify)		0			
8	Farm Mechanization			2			
9	Extension			5			
10	Organic Farming			4			

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
11	Marketing			4			
12	Awareness			6			
13	Other Enterprise			2			
14	Any Other(Specify)			0			

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Damoh						

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Damoh	900000	OFT			10000
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Damoh	10479552544	1465485	1779083	Selling of Milk & Planting material, Guest house, Honey processing unit etc.

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/National)	Awarding Organizations	Amount received
Damoh					

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1	Damoh	Balwan singh	Organic farming	Vill-Bhartala bock - Patera dis -Damoh	9174567885
2	Damoh	Rajesh patel	Poly house	Loco shed Damoh	8982144436
3	Damoh	Milan mishra	Fruit cultivation	Chilond jabera Damoh	7489147665
4	Damoh	Narendra singh	Crop production	Bamhori Damoh -	8120180032
5	Damoh	Pawan patel	Vegetable cultivation	Pipariya hatta Damoh	9826564336
6	Damoh	G.P patel	Dairy	Hrideypur Damoh	9407052733
7	Damoh	Sanjay patel	Seed grower	Kuvarpur kejra Damoh	9425096686
8	Damoh	O..N singh	Cucumber cultivation	Badha vijwar hatta Damoh	
9	Damoh	Avdhesh singh	Gur making	Hardua hatri Damoh	9977149090
10	Damoh	Mahendra pandey	Seed producer	Devri kisundas Damoh	7389168122

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Damoh		

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Damoh	07	1229	06	07	31	1229

Intensive- OFTS, FLDS etc ; **Extensive-** Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation

26. KVK Ring

S. No.	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
1	Sagar & Tikamgarh	Teaching, Farmers fair, Meeting, Seed supply, RAWA Programme, Diagnostic visit, Monitoring, etc.	10	15	Awareness & Transfer of technology

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Damoh						

28. Status of KVK Website during Jan to Dec. 2020

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
1	Damoh	01/07/2017	http://jnkvv.org/JNKVV_EXTENSION/EXTENSION_KVK_Index.aspx?CC=2010	11	1290
2	Damoh	30/03/2019	https://www.kvkdamoh.org	14	5306

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Damoh	2018	Meri Kheti	https://play.google.com/store/apps/details?id=com.tamas.farmerwiki	500+

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
1	Damoh			

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
1	Damoh			

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Damoh				

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Damoh				

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Damoh					

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Damoh		

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
Damoh				

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Damoh	Gosthies	02	100	
Damoh	Lectures organized	10	200	
Damoh	Exhibition	02	500	
Damoh	Film show	04	200	
Damoh	Fair	2	1000	
Damoh	Farm/ Field Visit	10	500	
Damoh	Diagnostic Practical's	02	50	
Damoh	Distribution of Literature (No.)	10	1000	
Damoh	Distribution of Seed (q)	02	100	
Damoh	Distribution of Planting materials (No.)	04	500	
Damoh	Bio Product distribution (Kg)	2	50	
Damoh	Distribution of Bio Fertilizers (q)	02	500	
Damoh	Distribution of fingerlings	0		
Damoh	Distribution of Livestock specimen (No.)	0		
Damoh	Total number of farmers visited the technology week	10	500	
Damoh	Animal health camp	01	50	
Damoh	Awareness programme	05	500	
Damoh	Demonstration	02	200	
Damoh	Exposure visit	02	40	
Damoh	Ex-trainees Meet	0	0	
Damoh	Farmer scientist interaction	10	300	
Damoh	Farmers Training	6	200	
Damoh	Gajarghans Unmulan Pakhwada	01	150	
Damoh	Group Meeting	02	60	
Damoh	Jai Kisan Jai Vigyan Sangoshthi	0	0	
Damoh	Plant Protection Week	0	0	
Damoh	Seed treatment campaign	02	100	
Damoh	Self Help Group convener meet	0	0	
Damoh	Soil health Camp	1	200	

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Damoh	Swachha Bharat Abhiyan	30	500	
Damoh	Others (Live telecast)	02	100	

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Saplings				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers

Awareness campaign

Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village
Damoh	Damoh	Bandakpur

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Crop production	Soybean & Chick pea	10			25
Enterprises	Plant distribution, Soil testing and soil health card distribution etc.	-			100

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Diagnostic visit	20	5	10	35
Swachhata Programme	30	10	10	50
Gosthi	40	10	5	55
Group meeting	20	10	5	35
Soil health camp	20	5	5	30

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Production technology of Kharif crops	20	5	5	30
Production technology of Rabi crops	20	5	5	30
Nutritional Garden	20	5	5	30
Nursery Management of vegetable crops	20	5	5	30

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	Damoh
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Damoh	1	1

7. KVK, Dindori

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs					
FLDs – Oilseeds (activity in ha)					
FLDs – Pulses (activity in ha)					
FLDs – Cotton (activity in ha)					
FLDs – Other than Oilseed and pulse crops(activity in ha)					
FLDs – Other than Crops (activity in no. of Unit/Enterprise)					
Training-Farmers and farm women					
Training-Rural youths					
Training- Extension functionaries					
Extension Activities					
Seed Production (Number of activity as seeds in quintal)					
Planting material ((Number of activity as quantity of planting material in quintal)					
Seedling Production (Number of activity as number of seedlings in numbers)					
Sapling Production (Number of activity as number of sapling in numbers)					
Other Bio- products (No. of quantity)					
Live stock products					
Activities of Soil and Water Testing Laboratory					
Rainwater Harvesting System					
Kisan Mobile Advisory (KVK-KMA)					
SAC Meeting (Date & no. of core/ official members)					
Literature to be Developed/Published					
Convergence programmes / Sponsored programmes					

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel					
Utilization of Staff Quarters					
Details of KVK Agro-technological Park					
Crop Cafeteria-					
Farm Innovators- list of 10 farm innovators from the District					
Status of Revolving Funds					
Awards and Recognitions					
Case study / Success Story to be developed					
KVK Progressive Farmers interaction					
Outreach of KVK in the District (No. of blocks, no. of villages)					
Technology Demonstration under Tribal Sub Plan					
KVK Ring					
Important visitors to KVK					
Status of KVK Website					
Status of RTI					
E-connectivity					
Details of Technology Week Celebrations					
Interventions on Drought Mitigation					
Sansad Adarsh Gram					
Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Dindori	16	1	1	6	3	3	4	6	2	16	10

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Dr.Shailendra Singh Gautam	Horticulture	Ph.D	Horticulture	15600-39100	35640	03.07.2019	Gen
SMS/ Scientist 1	Mrs. Geeta Singh	Agril Extension	M.Sc.(Ag)	Agril. Extension	15600-39100	25810	14.10.2011	Gen.
SMS/ Scientist 2	Dr. Satendra Kumar	Fisheries	Ph.D (Aquaculture)	Fisheries & Aquaculture	15600-39100	25810	14.10.2011	OBC
SMS/ Scientist 3	Ku. Nidhi Verma	Agronomy	MSc.(Ag)	Agronomy	15600-39100	21600	01.09.2017	SC
SMS/ Scientist 4	Sh. D.P.Singh	LPM	M.Sc.(LPM)	LPM	9300-38500	54100	05.07.2019	Gen
SMS/ Scientist 5	-	-	-	-	-	-	-	-
SMS/ Scientist 6	-	-	-	-	-	-	-	-
Programme Assistant	Mr. Avdhesh Kumar Patel	Horticulture	M.sc.(Ag)	Horticulture	9300-34800	42700 (7 th pay)	29.01.2019	OBC
Farm Manager	Miss. Shweta Masram	Agronomy	M.Sc.(Ag)	Agronomy	9300-34800	42700 (7 th pay)	01.02.2019	ST
Computer Programmer	Mrs. Renu Pathak	Computer	MCA, H.D.I.S.M.	Computer	9300-38500	42700 (7 th pay)	27.03.08	Gen
Accountant / superintendent	-	-	-	-	-	-	-	-
Stenographer								-
Driver	Mr. Madan Mohan Dubey	Jeep Driver	Middle	-	5200-20200	9930	08.07.08	Gen
Driver	Mr. Kesari Prasad Tiwari	Jeep Driver	Graduate	-	5200-20200	9930	15.07.08	Gen
Supporting staff, if any	-	-	-	-	-	-	-	-
Supporting staff, if any	-	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Dindori	Northern Hills Zones of Chhatisgarh	07	364	704218	64.47	515064	98000	1.15

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Dindori	Ghundisarai	2017-18	Shahpura	65 km	699	154
Dindori	Chapwar	2017-18	Samnapur	65 km	296	65
Dindori	Mohgaon	2017-18	Samnapur	45 km	944	211
Dindori	Dhanras	2019-20	Karanjia	45 km	186	44
Dindori	Roosamal	2019-20	Dindori	20 km	449	95
Dindori	Kosamdeeh	2020-21	Bajag	35 km	-	-

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Dindori	Heavy Losses due to Infestation of Cuscuta in Niger
Dindori	Varietal Replacement
Dindori	Integrated Pest and Disease Management
Dindori	Lack of awareness in new technology
Dindori	Integrated Crop and nutrient Management
Dindori	Improvement in production and productivity of major crops
Dindori	Soil and water conservation
Dindori	Enhancement of profit with focus on value addition
Dindori	Care and Management of Household
Dindori	Enhancement of animal productivity by feeding and health management
Dindori	Poultry management and development
Dindori	Fodder production technology
Dindori	Improvement in production and productivity through introduction of improved Agriculture Implements

KVK Name	THRUST AREA
Dindori	Soil Fertility Management
Dindori	Weed management
Dindori	Community based fish farming
Dindori	Pond based integrated farming to decrease the cost of production and increase sustainability
Dindori	Feed formulation and feeding management
Dindori	Food safety, Marketing and value addition strategies
Dindori	Improvement in production and productivity through introduction of improved Agriculture Implements

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Enterprises/ Crop	Problem identified	Methods of problem identification	Location Name of Village & Block
Dindori	Crop production / Rice	Use of local seed material, high water requirement, lack of awareness in new technology, use of inorganic fertilizer	Farmers and farm Women Training, Farmers Meeting , Field Visit, In-service Training	Village : Ghundisarai Block: Shahpura Village: Chapwar Block: Samnapur
Dindori	Crop production/ Groundnut	Those areas have light soil kharif groundnut have not yet come into practice, Early kharif groundnut is very low due to lack of suitable variety and recommended plant population	Farmers and farm Women Training, Farmers Meeting , Field Visit, In-service Training	Village : Ghundisarai Block: Shahpura Village : Chapwar Block: Samnapur
Dindori	Crop production/ wheat	Use of Local seed Materials, Rainfed condition , Limited use of seed treatment and Biofertilizer, High seed rate, use of inorganic fertilizer	Farmers and farm Women Training, Farmers Meeting , Field Visit, In-service Training	Village : Mohgaub Block: Samnapur Village : Dhanras Block: Karanjia
Dindori	Crop production/ moong	Fallow land in summer, Rainfed condition, lack of awareness of summer moong	Farmers and farm Women Training, Farmers Meeting , Field Visit, In-service Training	Village : Chapwar Block: Samnapur Village: Mohgaub Block: Samnapur
Dindori	Crop production/ Niger	Heavy Infestation of Cuscuta , Use of Local seed Materials	Farmers and farm Women Training, Farmers Meeting , Field Visit, In-service Training	Village : Rusamal Block: Dindori Village : Ghundisarai Block: Shahpura
Dindori	Crop production/	Use of local seed material, early	Farmers and farm Women	Village : Chapwar Block: Samnapur

KVK Name	Enterprises/ Crop	Problem identified	Methods of problem identification	Location Name of Village & Block
	mustard	sowing, Infestation of wilt, Limited use of Plant protection	Training, Farmers Meeting , Field Visit, In -service Training	Village : Ghundisarai Block: Shahpura
Dindori	Crop production / Linseed	Use of local seed material, long duration variety, Heavy infestation of aphid	Farmers and farm Women Training, Farmers Meeting , Field Visit, In-service Training	Village : Chapwar Block: Samnapur Village: Bonna Block: Bajag
Dindori	Horticulture/ Turmeric	Use of local seed material, Limited use of Plant protection	Farmers and farm Women Training, Farmers Meeting , Field Visit, In-service Training	Village : Mohgaon,Mohti, Block: Samnapur Village: Bonna Block: Bajag
Dindori	Horticulture/ Onion	Those areas have light soil onion have not yet come into practice, Use of local seed material,	Farmers and farm Women Training, Farmers Meeting , Field Visit, In-service Training	Village : Ghundisarai Block: Shahpura Village: Bonna Block: Bajag
Dindori	Horticulture /vegetable pea	Field pea is popular in the area but vegetable pea is not in common practice	Farmers and farm Women Training, Farmers Meeting , Field Visit, In-service Training	Village : Chapwar Block: Samnapur Village: Mohgaun, Mohti, Block: Samnapur Village :Ghundisarai Block: Sahapura
Dindori	Horticulture/ composite nursery	Use of local variety, Use of low yielding variety, poor level of nursery management practices	Farmers and farm Women Training, Farmers Meeting , Field Visit, In -service Training	Village : Chapwar Block: Samnapur Village : Ghundisarai Block: Shahpura
Dindori	Livestock	Lower productivity due to unbalanced ration and mineral deficient feed	Farmers and farm Women Training, Farmers Meeting , Field Visit, In-service Training	Village : Chapwar Block: Samnapur Village : Ghundisarai Block: Shahpura
Dindori	Livestock	Poor growth and high disease incidence in calves	Farmers and farm Women Training, Farmers Meeting , Field Visit, In- service Training	Village : Chapwar Block: Samnapur Village : Ghundisarai Block: Shahpura
Dindori	Livestock	High incidence of intra-mammary infection	Farmers and farm Women Training, Farmers Meeting , Field Visit, In	Village : Chapwar Block: Samnapur Village: Mohgaur Block: Samnapur Village :Ghundisarai Block: Sahapura
Dindori	Livestock	Poor growth and high mortality in poultry	Farmers and farm Women Training, Farmers Meeting , Field Visit, In -service Training	Village : Chapwar Block: Samnapur Village: Mohgaur Block: Samnapur Village :Ghundisarai Block: Sahapura

KVK Name	Enterprises/ Crop	Problem identified	Methods of problem identification	Location Name of Village & Block
Dindori	Livestock	Not availability of green fodder	Farmers and farm Women Training, Farmers Meeting , Field Visit, In -service Training	Village : Chapwar Block: Samnapur Village: Mohgauv Block: Samnapur Village :Ghundisarai Block: Sahapura
Dindori	Fishries	Non-utilization of seasonal ponds,	Farmers and farm Women Training, Farmers Meeting , Field Visit, In -service Training	Village : Chapwar Block: Samnapur Village: Mohgauv Block: Samnapur Village :Ghundisarai Block: Sahapura
Dindori	Fisheries	Ponds infested with aquatic weeds,	Farmers and farm Women Training, Farmers Meeting , Field Visit, In -service Training	Village : Chapwar Block: Samnapur Village: Mohgauv Block: Samnapur Village :Ghundisarai Block: Sahapura
Dindori	Fisheries	Lack of adoption of scientific practices in community ponds leading to low yield,	Farmers and farm Women Training, Farmers Meeting , Field Visit, In -service Training	Village : Chapwar Block: Samnapur Village: Mohgauv Block: Samnapur Village :Ghundisarai Block: Sahapura
Dindori	Fisheries	Lack of Knowledge and skill on rearing carp fry and fingerling,	Farmers and farm Women Training, Farmers Meeting , Field Visit, In -service Training	Village : Chapwar Block: Samnapur Village: Mohgauv Block: Samnapur Village :Ghundisarai Block: Sahapura
Dindori	Fisheries	Lack of knowledge about fish feed formulation and preparation,	Farmers and farm Women Training, Farmers Meeting , Field Visit, In -service Training	Village : Chapwar Block: Samnapur Village: Mohgauv Block: Samnapur Village :Ghundisarai Block: Sahapura
Dindori	Fisheries	Unawareness about importance of water quality management in Fish culture,	Farmers and farm Women Training, Farmers Meeting , Field Visit, In -service Training	Village : Chapwar Block: Samnapur Village: Mohgauv Block: Samnapur Village :Ghundisarai Block: Sahapura
Dindori	Fisheries	Out break of diseases most commonly EUS during winter	Farmers and farm Women Training, Farmers Meeting , Field Visit, In -service Training	Village : Chapwar Block: Samnapur Village: Mohgauv Block: Samnapur Village :Ghundisarai Block: Sahapura

2. On Farm Testing (OFT)

2.1 Information about Crop Production OFT:

1. Crop – Rice

Title of on-farm trial:	Assessment of Green manuring technology with SRI
Year/Season:	Kharif/2020
Farming situation:	Limited irrigation (first 10 days and second panicle initiation 2.5cm depth of water)
Problem diagnosis:	Low Yield due to Use of Broadcast Method of Sowing in Paddy (affected area 50950 ha.)
Thematic area:	Resource Conservation Technology
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	T1 : Farmer practices
T2 –Recommended Practice-	T2 : Improved variety (JR 81)
T3- Recommended Practice-	T3 : Sowing in 25 cm. spacing (Row to row and plant to Plant) + Sunhemp
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, 2017 / 2015
Characteristics of technology:	Early maturity (110-115) , yield (55-60q/ha)suitable for Rainfed condition and tolerant to water stress condition, More no. of tillers/Plant, low seed rate
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2. Crop – Groundnut

Title of on-farm trial:	Assessment of Improved Variety of Groundnut (Trombey groundnut 37) under Rice- wheat cropping system
Year/Season:	Kharif/2020
Farming situation:	Limited irrigation
Problem diagnosis:	Low Yield due to Use of low yielding variety and low income in Rice – wheat cropping system
Thematic area:	Crop replacement
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmer practices
T2 –Recommended Practice-	Improved variety (Trombay Groundnut 37) + Biofertilizer (Rhizobium+PSB)
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, 2018
Characteristics of technology:	Short duration variety (50-55 days), pod yield (20-25 q/ha), seed yield (15-18 q/ha)
Name of Crop/Enterprises:	Groundnut (TG 37-A)

Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

3. Crop – Moong

Title of on-farm trial:	Assessment of Mungbean variety IPM 410-3 (Shikha) with line sowing
Year/Season:	Zaid/2020
Farming situation:	Rainfed
Problem diagnosis:	Cropping intensity is very low and fallow land is summer
Thematic area:	Varietal replacement
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assesment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of improved variety (IPM 410-3)
T2 –Recommended Practice-	Improved variety + PGR (Liquid Psuedomonas)
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IIPR, Kanpur 2016

Characteristics of technology:	Short duration variety (65-70 days), yield (11-12 q/ha) and resistant to yellow mosaic virus
Name of Crop/Enterprises:	Moong
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

4. Crop – Wheat

Title of on-farm trial:	Assessment of Bio fertilizer (Azatobacter, PSB) with recommended dose of fertilizer in wheat (Rice- Chickpea cropping system)
Year/Season:	Rabi/2020-21
Farming situation:	Rainfed
Problem diagnosis:	Harming low yield potential variety of wheat in comparison to Sujata.
Thematic area:	Crop Replacement
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmer practices
T2 –Recommended Practice-	Improved variety (JW 3288) + RD (40:20:20 NPK)
T3- Recommended Practice-	Improved variety + 1/3 of N apply through vermicompost , Azotobactor

Date of sowing:	
Date of harvesting:	
Source of technology:	
Characteristics of technology:	Maintain soil fertility and supply plant nutrient, Partially irrigated (1-2), Heat tolerance and non logging, resistance to drought and rust, yield (45-47)q/ha
Name of Crop/Enterprises:	Wheat/ JW 3288 (2010)
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.2. Information about Extension OFT:

OFT: 1

Title	Assessment of Social Media –Whatsapp in dissemination of Agricultural Technologies
Season & Year	2020-21
Problem identified	Low efficiency of Existing Rural Information Delivery system
Thematic Area	Information Communication Technology
Farming situation	Whole District
Name of Technology under study	Technology Expansion through ICT tools and social media
Farmers Practice	Information through interpersonal communication
No. of replication (Farmers)	300

Results / findings

Performance indicators/ parameters	Total (N=200)	Data on the parameter			Result of assessment (Percentage)			
		Low	Medium	High	Low	Medium	High	Total
Applicability								
Time spent on social media								
Change in knowledge								
Visibility of message								
Readability								
Quickness of response								
Completeness of message								
Length of message								
Quality of content								
Timeliness								

Extension OFT: 2

Title	Impact assessment of selected villages under doubling farmers income
Season & Year	2020-21
Problem identified	Low income from existing farming system
Thematic Area	Impact Assessment
Farming situation	Rain fed
Name of Technology under study	Integrated Farming System
Farmers Practice	Traditional practice
No. of replication (Farmers)	200

Results / findings-Awaited

Performance indicators/ parameters	Total (N=250)	Data on the parameter			Result of assessment (Percentage)			
		Low	Medium	High	Low	Medium	High	Total
No. of enterprises (No.)								
Yield (q/ha)								
Annual Income (Rs)								

2.3 Information about Horticulture OFT:

OFT:1

Title of on-farm trial:	Assessment of turmeric cultivation intercropping with Mango cultivation
Year/Season:	Kharif , 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to old technology
Thematic area:	IFS
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Cultivation of Turmeric on flat bed
T2 –Recommended Practice-	Cultivation of Turmeric on raised bed intercropping with mango plantation
T3- Recommended Practice-	Cultivation of Turmeric on raised bed seed treatment with mancozeb 3 gm/liter of water
Date of sowing:	
Date of harvesting:	
Source of technology:	TNAU
Characteristics of technology:	High yield on raised bed with less irrigation
Name of Crop/Enterprises:	Turmeric
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Rhizome wt./plant(g), yield q/ha, net return,	Rhizome wt./plant(g), yield q/ha, net return,				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	B:C ratio	B:C ratio				
T2(Recommended Practice)	Rhizome wt./plant(g), yield q/ha, net return, B:C ratio	Rhizome wt./plant(g), yield q/ha, net return, B:C ratio				
T3(Recommended Practice)	Rhizome wt./plant(g), yield q/ha, net return, B:C ratio	Rhizome wt./plant(g), yield q/ha, net return, B:C ratio				

OFT:2

Title of on-farm trial:	Assessment of integrated nutrient management in tomato
Year/Season:	Kharif , 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield of tomato due to imbalance use of fertilizers
Thematic area:	Integrated nutrient management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers Practice (No use of manures and fertilizers)
T2 –Recommended Practice-	Application of recommended dose of NPK (100:80:100) through organic and inorganic manures
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV
Characteristics of technology:	Expected increase in yield of tomato is 30%

Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of fruits/plant, Fruit weight (g), Yield (q/ha), net return, B:C ratio	No. of fruits/plant, Fruit weight (g), Yield (q/ha), net return, B:C ratio				
T2(Recommended Practice)	No. of fruits/plant, Fruit weight (g), Yield (q/ha), net return, B:C ratio	No. of fruits/plant, Fruit weight (g), Yield (q/ha), net return, B:C ratio				
T3(Recommended Practice)						

OFT:3

Title of on-farm trial:	Assessment of onion variety Bhimashakti
Year/Season:	Rabi , 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield of onion during rabi season due to use of inappropriate variety and poor management practices
Thematic area:	Varietal Evaluation
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of inappropriate variety and imbalance use of fertilizers
T2 –Recommended Practice-	Use of improved variety Bhimashakti
T3- Recommended Practice-	Recommended dose of fertilizer @100:50:50 NPK through organic and inorganic manures
Date of sowing:	
Date of harvesting:	
Source of technology:	DOGR, 2011
Characteristics of technology:	Red colour, round, very good storage life, bulbs mature in 130 days after transplanting during late kharif and rabi season. It is tolerant to thrips. Yield – 42-45 t/ha
Name of Crop/Enterprises:	Onion
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Bulb weight (g), Yield (q/ha), Net Return (Rs/ha), B:C ratio	Bulb weight (g), Yield (q/ha), Net Return (Rs/ha), B:C ratio				
T2(Recommended Practice)	Bulb weight (g), Yield (q/ha), Net Return (Rs/ha), B:C ratio	Bulb weight (g), Yield (q/ha), Net Return (Rs/ha), B:C ratio				
T3(Recommended Practice)	Bulb weight (g), Yield (q/ha), Net Return (Rs/ha), B:C ratio	Bulb weight (g), Yield (q/ha), Net Return (Rs/ha), B:C ratio				

OFT:4

Title of on-farm trial:	Assessment of INM in cauliflower for sustainable production and to maintain soil health
Year/Season:	Rabi , 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to imbalance use of chemical fertilizer
Thematic area:	Integrated nutrient management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Imbalanced use of fertilizers
T2 –Recommended Practice-	75% STV based fertilizer application + FYM @ 2t/ha+ Azotobacter @ 5kg/ha + PSB @ 5kg/ha
T3- Recommended Practice-	50% STV based fertilizer application + FYM @ 3t/ha+ Azotobacter @ 5kg/ha + PSB @ 5kg/ha
Date of sowing:	
Date of harvesting:	
Source of technology:	Vasanthrao Naik Marathawada Krishi Vidhyapeeth, Parbhani (2016)
Characteristics of technology:	Assessed INM module will increase productivity, improve soil health and minimize the production cost
Name of Crop/Enterprises:	Cauliflower
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Weight of curd (g), yield (q/ha), post soil test value, % of disease & pest incidence and B:C	Weight of curd (g), yield (q/ha), post soil test value, % of disease & pest incidence and B:C				

	ratio	ratio				
T2(Recommended Practice)	Weight of curd (g), yield (q/ha), post soil test value, % of disease & pest incidence and B:C ratio	Weight of curd (g), yield (q/ha), post soil test value, % of disease & pest incidence and B:C ratio				
T3(Recommended Practice)	Weight of curd (g), yield (q/ha), post soil test value, % of disease & pest incidence and B:C ratio	Weight of curd (g), yield (q/ha), post soil test value, % of disease & pest incidence and B:C ratio				

2.4 Information about livestock

OFT: 1

Title of on-farm trial:	Assessment of Mineralized Salt Brick in CB Dairy Animals
Year/Season:	Kharif-2020
Farming situation:	-
Problem diagnosis:	Mineral salt deficiency after parturition leads to poor Milk production.
Thematic area:	Feeding management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of Mineral salt lick as supplement in dairy feed
T2 –Recommended Practice-	Two kg mineralized salt brick to lick by the animals over a month
T3- Recommended Practice-	-
Date of sowing:	-

Date of harvesting:	-
Source of technology:	NDRI-2008
Characteristics of technology:	Use of mineralized salt brick water intake by animal raised and digestion improved
Name of Crop/Enterprises:	Cattle
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT: 2

Title of on-farm trial:	Assessment of Proper care & management of kid to control kid mortality
Year/Season:	2020/Kharif
Farming situation:	
Problem diagnosis:	Kid mortality of goat 35-40%
Thematic area:	LPM
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No colostrums feeding, No deworming and poor management

T2 –Recommended Practice-	Naval treatment, Feeding colostrum, Deworming, Vitamin & mineral supplement, Antibiotics / Coccidiosis, Timely Vaccination, Hygiene & Cleanness.
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	CAZRI
Characteristics of technology:	Colostrum feeding, Concentrate & minerals mixture supplementation
Name of Crop/Enterprises:	Goat kid
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT: 3

Title of on-farm trial:	Assessment of of green azolla in the lactating cattle
Year/Season:	2020 -21/Rabi
Farming situation:	-
Problem diagnosis:	Poor health and low milk production
Thematic area:	LPM
No of trials:	5
No. of farmers involved	5

Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Feeding of buffalo with wheat straw and paddy straw without supplementation
T2 –Recommended Practice-	Addition of azolla @ 1.5 Kg /animal/day with exhausting fodder
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	IVRI,2010
Characteristics of technology:	Rich in proteins, essential amino acids, vitamins (vitamin A, vitamin B12 and Beta- Carotene), growth promoter and minerals like Ca, P, K, Fe, Cu, Mg
Name of Crop/Enterprises:	Dairy cattle
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.5 Information about Fisheries

OFT - 1:

Title of on-farm trial:	Assessment of Grow-out technology of Murrel in earthen ponds
Year/Season:	2020-2021
Farming situation:	-

Problem diagnosis:	Low productivity of fish
Thematic area:	Fish Production and management
No of trials:	6
No. of farmers involved	6
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Unaware of Stocking of murels in polyculture ponds
T2 –Recommended Practice-	Stocking of murrel fingerlings @ 10000/ha; fishes were fed with boiled poultry viscera/trash fish with rice bran (3:1) @ 3-5% of their body weight
T3- Recommended Practice- (Refinement)	Small trash fishes grown as forage fish + Stocking of murrel fingerlings @ 10000/ha; fishes were fed with boiled poultry viscera/trash fish with rice bran (3:1) @ 3-5% of their body weight
Date of sowing:	30.05.2020
Date of harvesting:	
Source of technology:	CIFA, 2016
Characteristics of technology:	Murrel fish consume the small trash fishes for its body growth and thus increasing the productivity of the pond
Name of Crop/Enterprises:	Fish farming
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)	Yield B:C ratio	q/ha., B:C ratio				
T3(Recommended Practice)	Yield B:C ratio	q/ha., B:C ratio				

OFT - 2:

Title of on-farm trial:	Assessment of biological control of aquatic weeds by grass carps
Year/Season:	2020-2021
Farming situation:	-
Problem diagnosis:	Low productivity of fish; Ponds infested with aquatic weed
Thematic area:	Fish Production and management
No of trials:	3
No. of farmers involved	3
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Unaware of Stocking of grass carp in polyculture ponds
T2 –Recommended Practice-	IMC and Grass carps Grass carp consume the aquatic weed for its body growth and cleans the pond by biological means, thus increasing the productivity of the pond
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	CIFA
Characteristics of technology:	IMC and Grass carps Grass carp consume the aquatic weed for its body growth and cleans the pond by biological means, thus increasing the productivity of the pond.
Name of Crop/Enterprises:	Fish farming
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)	Yield B:C ratio	q/ha., B:C ratio				
T3(Recommended Practice)						

Result : (Economic Performance of OFT)

OFT - 3:

Title of on-farm trial:	Assessment of efficacy of liquid micronutrients in sustaining phytoplankton bloom during winter.
Year/Season:	2020-2021
Farming situation:	-
Problem diagnosis:	Phytoplankton bloom frequently crashes due to insufficient macronutrients content in pond water.
Thematic area:	Fish Production and management
No of trials:	3
No. of farmers involved	3
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of chemical fertilizers (N & P) only.
T2 –Recommended Practice-	Application of liquid micronutrients nutrients premix containing Zn-6%, Mg-2%, Mn – 2%, B-1%, Mo-Traces @ 1Ltr./Ac-m/Month.
T3- Recommended Practice- (Refinement)	
Date of sowing:	
Date of harvesting:	

Source of technology:	CIFA, 2016
Characteristics of technology:	Superfood liquid micronutrients nutrients premix Use of liquid micronutrients nutrients premix containing Zn, Mg, Mn, B, Mo in sustaining phytoplankton bloom during winter.
Name of Crop/Enterprises:	Fish farming
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Plankton density Yield B:C ratio	(ml/50liter), q/ha., B:C ratio				
T2(Recommended Practice)	Plankton density Yield B:C ratio	(ml/50liter), q/ha., B:C ratio				
T3(Recommended Practice)						

OFT - 4:

Title of on-farm trial:	Assessment on performance of Geolite as pond bottom sludges amelioration during winter in carp culture
Year/Season:	Rabi 2020-2021
Farming situation:	-
Problem diagnosis:	Low productivity of fish, disease out break in bottom fishes because of poor decomposition and deposit of sludge in pond bottom during winter that release obnoxious gases and exerts

	environmental stress to fishes.
Thematic area:	Fish Production and management
No of trials:	3
No. of farmers involved	3
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Liming only
T2 –Recommended Practice-	Application of Geolite for pond bottom sludge amelioration during winter in carp culture
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	State Fisheries Dept. W.B., 2009
Characteristics of technology:	Application of 20 Kg of Geolite mixture with 1 bag of river sand per acre in a single dose
Name of Crop/Enterprises:	Fish farming
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)	Soil PH before the treatment & one week after the treatment. Yield B:C ratio	1-14 q/ha., B:C ratio				
T3(Recommended Practice)						

2.6. Information about Home Science OFT:

Title of on-farm trial:	
Year/Season:	
Problem diagnosis:	
Thematic area:	
No of trials:	
No. of farmers/farm women involved	
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
Source of technology:	
Characteristics of technology:	
Name of Crop/Enterprises:	
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	Integrated Weed Management	Pre-Emergence application of Pendimeth line @ 2.5 lit./ha	Oilseed	Niger	JNS 30	Rainfed	-	4.00	-	-	-	-	-	-	-	-
2020	Rabi	Integrated Crop Management	Use of Improved variety + Coriander+ Seed treatment with Trichoderma Culture + Use of PSB 2.5 kg./acre+ use of organic fertilizer (vermicom post)	Pulses	Chick pea	JG 12/ JG 14	Irrigated	-	4.00	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2019-20	Rabi	Varietal replacement	Use of Improved variety (NRCHB 101)/(NRC DR 601) Seed treatment with Azotobacter 200gm/10 kg, Use of PSB 2.5 kg./acre, use of organic fertilizer (vermicompost)	Oilseed	Mustard	Var. NRCHB 101 /NRC DR 601	Semi irrigated	-	4.00	-	-	-	-	-	-	-	-

Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.2 Details of FLDs on horticulture Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
2020-21	Kharif	Integrated crop management	Use of Improved variety of drumstick PKM-1 on bunds of Vegetable field	Vegetable	drumstick	PKM-1	Rainfed	-	4.00	-	-	-	-	-	-	-	-
2020-21	Kharif	Varietal replacement	Demonstration of high yielding variety of Tomato Lakshmi	Vegetable	Tomato	Lakshmi	irrigated	-	4.00								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
2020-21	Rabi	Integrated nutrient management	Spray of water soluble fertilizer (WSF) @205kg/ha after 30, 40, and 60 DAT	Vegetable	Tomato	Laxmi, Uday	Irrigated	-	4.00	-	-	-	-	-	-	-	-
2020-21	Rabi	Integrated crop management	Use of Improved variety of vegetable pea PSM-3 + seed treatment rhizobium @10g/kg seed+use of 1 kg of trichoderma formulation in 100 kg of FYM/ha	Vegetable	Pea	PSM-3	Semi-irrigated	-	4.00	-	-	-	-	-	-	-	-

3.2 Economic Impact of horticulture Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Use of Improve variety of drumstick PKM-1 on bunds of Vegetable field	Drumstick	No. of pods/plant, yield q/ha, Net return, B:C ratio	No. of pods/plant, yield q/ha, Net return, B:C ratio	No. of pods/plant, yield q/ha, Net return, B:C ratio								
Demostration of high yielding variety of Tomato Lakshmi	Tomato	Fruit weight(gm), fruit yield (kg/plant), yield q/ha, Net return, B:C ratio	Fruit weight(gm), fruit yield (kg/plant), yield q/ha, Net return, B:C ratio	Fruit weight(gm), fruit yield (kg/plant), yield q/ha, Net return, B:C ratio								
Use of Improve variety of vegetable pea PSM-3 + seed treatment of rhizobium @10g/kg seed+use of 1 kg of trichoderma formulation in 100 kg of FYM/ha	Pea	No. of pods/plant, weight of pod (g), No. of seeds/pod, yield (q/ha), net return, B:C ratio	No. of pods/plant, weight of pod (g), No. of seeds/pod, yield (q/ha), net return, B:C ratio	No. of pods/plant, weight of pod (g), No. of seeds/pod, yield (q/ha), net return, B:C ratio								

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Spray of water soluble fertilizer (WSF) @205kg/ha after 30, 40, and 60 DAT	Tomato	Fruit weight(gm), fruit yield (kg/plant), yield q/ha, Net return, B:C ratio	Fruit weight(gm), fruit yield (kg/plant), yield q/ha, Net return, B:C ratio	Fruit weight(gm), fruit yield (kg/plant), yield q/ha, Net return, B:C ratio								

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Other	Gen	Total

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	LPM	Promotion on green fodder (Jowar) for lactating Cow			Cow			10 animals								
2020	Kharif	LPM	performance of deworming young calves for reduction in incidence			Young calves			10 animals								

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Tech nology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			of gastro-intestinal tract disease and calf mortality														
2020-21	Rabi	LPM	Assessment of mineral supplementation and use of antihelminths on performance in dairy animal			Cow			10 animals								
2020-21	Rabi	LPM	Demonstration on Back yard rearing of Narmada Nidhi breed of chicken			Narmada			300nos.								

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif, rabi	Production and management	Fish cum Duck farming.	Fish and Duck	Fish and Duck	IMC, Common carp	-		5.5 ha								
2020	Kharif, rabi	Production and management	Pangasius Fish farming.	Fish	Pangasius Fish farming.	Pangasius Fish farming.	-		5 ha								

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	Production and Management	Fry to Fingerling production in seasonal ponds	Fingerling Production		IMC, Common carp			1.25 ha								

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Fish cum Duck farming.	Duck cum Fish farming.	duck meat and eggs /ha and Fish yield, B;C ratio										
Pangasius Fish farming.	Pangasius Fish farming.	Fish yield, B;C ratio										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Fry to Fingerling production in seasonal ponds	Fry to Fingerling production in seasonal ponds	No. of Fingerlings										

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)						Anthropometric measurements							
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Dindori					

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
FW	OFC	Crop Production	Integrated Crop Management	Production technology of Moong	1	1								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
FW	OFC	Crop Production	Resource Conservation Technologies	Importance and advantage of Summer deep ploughing	1	1								
FW	ONC	Crop Production	Cropping Systems Soil & water conservation	Importance and advantage of soil testing	1	1								
FW	OFC	Crop Production	Crop Diversification/ Integrated Pest Management	Management of insect pest and disease in Moong	1	1								
FW	OFC	Crop Production	Integrated Crop Management	Production technology of Paddy	1	1								
FW	OFC	Crop Production	Integrated Crop Management	Production technology of Maize	1	1								
FW	OFC	Crop Production	Integrated Crop Management	Production technology of Groundnut	1	1								
FW	ONC	Crop Production	Nursery management	Management of Fall army worm in Maize	1	1								
FW	OFC	Crop Production	Integrated Crop Management	Production technology of Niger	1	1								
FW	ONC	Crop Production	Integrated Pest Management	Management of insect pest and disease in Paddy	1	1								
FW	ONC	Crop Production	Integrated Pest Management	Management of insect pest and disease in Groundnut	1	1								
FW	OFC	Crop Production	Integrated Weed Management	Management of Cuscuta in Niger	1	1								
F&FW	OFC	Crop Production	Others(Pl. Specify)	Production technology of mustard	1	1								
F&FW	OFC	Crop Production	Integrated Crop Management	Production technology of linseed	1	1								
F&FW	OFC	Crop Production	Integrated Crop	Production technology of wheat	1	1								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
			Management											
F&FW	OFC	Crop Production	Integrated Crop Management	Production technology of chickpea	1	1								
F&FW	ONC	Crop Production	Integrated Pest Management	Management of insect pest and disease in mustard	1	1								
F&FW	ONC	Crop Production	Integrated Pest Management	Management of insect pest and disease in linseed	1	1								
F&FW	ONC	Crop Production	Integrated Pest Management	Management of insect pest and disease in Chickpea	1	1								
F&FW	ONC	Crop Production	Production of organic input	Vermicompost production technology	1	1								
F&FW	OFC	Crop Production	Integrated Pest Management	Management of pod borer in chickpea	1	1								
F&FW	ONC	Crop Production	Integrated Pest Management	Management of insect pest and disease in wheat	1	1								
F&FW	ONC	Horticulture (Vegetable Crops)	Off season vegetables	Production technology of off-season vegetable crops	1	1								
F&FW	ONC	Horticulture (Vegetable Crops)	Nursery raising	Nursery Management In vegetable Crops	1	1								
F&FW	ONC	Horticulture (Vegetable Crops)	Protective cultivation	Cultivation of vegetables in Greenhouses (Poly/Nethouse)	1	1								
F&FW	OFC	Horticulture (Vegetable Crops)	Others(Pl. Specify)	Nutritional Kitchen Garden Management	1	1								
F&FW	OFC	Horticulture (Vegetable Crops)	Others	Post harvest management in important vegetable crops	1	1								
F&FW	OFC	Horticulture (Fruits)	Training and Pruning	Training and Pruning of fruit plants	1	1								

Category (F & FW/F W)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F&FW	OFC	Horticulture (Fruits)	Rejuvenation of old orchards	Rejuvenation of old fruit plants and application of balance dose of manure and fertilizer	1	1								
F&FW	OFC	Horticulture (Fruits)	Micro irrigation systems of orchards	Importance of microirrigation/Drip irrigation in Orchards	1	1								
F&FW	OFC	Horticulture (Fruits)	Plant propagation techniques	Propagation technique of different Fruits	1	1								
F&FW	OFC	Horticulture (Ornamental Plants)	Management of potted plants	Care and management of important potted Ornamental plants	1	1								
F&FW	OFC	Horticulture(Spices)	Processing and value addition	Processing and value addition in Turmeric and Chilli	1	1								
F&FW	OFC	Horticulture(Medicinal and Aromatic Plants)	Production and management technology	Production and management technology of medicinal & aromatic plants	1	1								
F&FW	OFC	Soil Health and Fertility Management	Soil fertility management	Motivation of farmers towards soil sample collection	1	1								
F&FW	OFC	Livestock Production and Management	Animal Nutrition Management	Feeding and disease management in dairy animals	1	1								
F&FW	OFC	Livestock Production and Management	Dairy Management	Care Management of animal in summer season	1	1								
F&FW	OFC	Livestock Production and Management	Dairy Management	Care Management of animal in summer season	1	1								

Category (F & FW/F W)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F&FW	OFC	Livestock Production and Management	Dairy Management	Breeding Management of livestock	1	1								
F&FW	OFC	Livestock Production and Management	Dairy Management	Role of A.I. in breed improvement & heat detection in farm animals	1	1								
F&FW	OFC	Livestock Production and Management	Disease Management	Goat production and management	1	1								
F&FW	OFC	Livestock Production and Management	Feed & fodder technologies	Importance of round the year fodder production for dairy animals	1	1								
F&FW	OFC	Livestock Production and Management	Animal Nutrition Management	Importance of micro minerals in dairy animals	1	1								
F&FW	OFC	Livestock Production and Management	Disease Management	Control of paracites in dairy calves	1	1								
F&FW	OFC	Livestock Production and Management	Disease Management	Prevention and control of ecto and endo parasites in dairy animals	1	1								
F&FW	OFC	Livestock Production and Management	Feed & fodder technologies	Clean milk production and fodder production for dairy animals	1	1								
F&FW	OFC	Livestock Production and Management	Disease Management	Importance of vaccination in dairy animals	1	1								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F&FW	OFC	Livestock Production and Management	Dairy Management	Management of Milch Animals	1	1								
F&FW	OFC	Livestock Production and Management	Dairy Management	Production of quality animal products	1	1								
F&FW	OFC	Livestock Production and Management	Poultry Management	Backyard poultry farming	1	1								
F&FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques	Safe Storage of rabi cereals and pulse crops	1	1								
F&FW	OFC	Home Science/Women empowerment	Value addition	Value added products of Minor millets	1	1								
F&FW	ONC	Home Science/Women empowerment	Women empowerment	Creating awareness in women about Improved Agricultural Implements	1	1								
F&FW	OFC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Drudgery Reduction Technology For Farmers and Farm Women	1	1								
F&FW	ONC	Plant Protection	Integrated Disease Management	Creating awareness among Farmers & Farm women for seed treatment & application of Bio –Fertilizer in kharif crops	1	1								
F&FW	ONC	Fisheries	Integrated fish farming	Fish cum duck culture										
F&FW	OFC		Integrated fish farming	Fish cum water chestnut production										

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F&FW	OFC	Fisheries	Carp fry and fingerling rearing	Nursery and rearing pond preparation										
F&FW	OFC	Fisheries	Carp fry and fingerling rearing	Nursery and rearing pond preparation										
F&FW	OFC	Fisheries	Composite fish culture	Composite fish culture										
F&FW	OFC	Fisheries	Pen culture of fish and prawn	Eradication of aquatic weeds in wetlands										
F&FW	OFC	Fisheries	Pen culture of fish and prawn	Installation of Pen in wetlands										
F&FW	OFC	Fisheries	Others (Pl. Specify)	Pangasius fish farming										
F&FW	OFC	Fisheries	Others (Pl. Specify)	Fish diseases and management										
F&FW	OFC	Fisheries	Others (Pl. Specify)	Water quality parameters and their management in fish culture										
F&FW	ONC	Production of Input at site	Vermi compost production	Importance of vermi compost in vegetable production	1	1								
F&FW	ONC	Capacity Building and Group Dynamics	Leadership development	Development of Leadership through motivation techniques in village	1	1								
F&FW	ONC	Capacity Building and Group Dynamics	Others (Pl. Specify)	Creating awareness among farmers towards Information communication technology.	1	1								

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OF C)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY	ONC	Nursery Management of Horticulture crops	Nursery Management of horticulture crops	01	03								
RY	ONC	Training and pruning of orchards	Care and management of fruit plants	01	03								
RY		Protected cultivation of vegetable crops											
RY		Commercial fruit production											
RY	ONC	Integrated farming	Integrated weed, insect pest and disease management	01	03								
RY	ONC	Seed production	Seed production technique	01	05								
RY		Production of organic inputs	Organic farming	1	03								
RY		Planting material production											
RY		Vermi culture	Vermi compost production	01	03								
RY		Mushroom Production	Mushroom Production	01	03								
RY		Bee keeping											
RY		Sericulture											
RY		Repair and maintenance of farm machinery and implements											
RY		Value addition											
RY		Small scale processing											
RY		Post Harvest Technology											
RY		Tailoring and Stitching											
RY		Rural Crafts											
RY		Production of quality animal products											
RY		Dairying											

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Sheep and goat rearing											
RY		Quail farming											
RY		Piggery											
RY		Rabbit farming											
RY		Poultry production											
RY		Ornamental fisheries											
RY		Composite fish culture											
RY		Freshwater prawn culture											
RY		Shrimp farming											
RY		Pearl culture											
RY		Cold water fisheries											
RY		Fish harvest and processing technology											
RY		Fry and fingerling rearing											
RY		Others- Formation and Management of SHGs	Formation and management of Organic group	1	3								

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
IS	ONC	Productivity enhancement in field crops	Integrated farming system for productivity enhancement	01	02								
IS	ONC	Integrated Pest Management	Doubling farmers income through Integrated Farming System	01	02								

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
IS	ONC	Integrated Nutrient management	Integrated Nutrient management in crops	01	02								
IS	ONC	Rejuvenation of old orchards	Rejuvenation of old mango orchards	01	02								
IS	ONC	Protected cultivation technology	Production technology of Tomato and other vegetables in green house.	01	02								
IS	ONC	Production and use of organic inputs	Use of biofertilizer for seed and soil treatment	01	02								
IS		Capacity building for ICT application	Capacity building of Para extension functionaries about Whatsapp and Kisan Mobile Advisory.	1	2								
IS	ONC	Management in farm animals	Management in milch animals	01	01								
IS	ONC	Livestock feed and fodder production	Management feed and fodder production	01	01								

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
Crop production and management	Commercial floriculture													
Crop production and	Commercial fruit production													

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
management														
Crop production and management	Commercial vegetable production													
Crop production and management	Integrated crop management													
Crop production and management	Organic farming													
Crop production and management	Others(Pl. Specify)													
Post harvest technology and value addition	Value addition													
Post harvest technology and value addition	Others(Pl. Specify)													
Livestock and fisheries	Dairy farming													
Livestock and fisheries	Composite fish culture													
Livestock and fisheries	Sheep and goat rearing													
Livestock and fisheries	Piggery													
Livestock and fisheries	Poultry farming													
Livestock and fisheries	Others(Pl. Specify)													
Income generation activities	Vermi-composting	Vermi compost production technology	All crops		01	25								
Agricultural Extension	Others(Pl. Specify)													

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Titl e	Thematic area	Sub-theme	Traini ng Title	Durati on (days)	No. of cours es	No. of Participants								Sponsor ing Agency	Fund receiv ed for traini ng (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
		Crop production and management	Increasing production and productivity of crops													
		Crop production and management	Commercial production of vegetables													
		Crop production and management	Production and value addition													
		Crop production and management	Fruit Plants													
		Crop production and management	Ornamental plants													
		Crop production and management	Spices crops													
		Crop production and management	Soil health and fertility management													
		Crop production and management	Production of Inputs at site													
		Crop production and management	Methods of protective cultivation													
		Crop production and management	Others(Pl. Specify)													
		Post harvest technology and value addition	Processing and value addition													
		Post harvest technology and value addition	Others(Pl. Specify)													
		Farm machinery	Farm machinery, tools and													

Client (F &FW/F W/ RY/ IS)	Titl e	Thematic area	Sub-theme	Traini ng Title	Durati on (days)	No. of cours es	No. of Participants								Sponsor ing Agency	Fund receiv ed for traini ng (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
			implements													
		Farm machinery	Others(Pl. Specify)													
		Livestock and fisheries	Livestock production and management													
		Livestock and fisheries	Animal Nutrition Management													
		Livestock and fisheries	Animal Disease Management													
		Livestock and fisheries	Fisheries Nutrition													
		Livestock and fisheries	Fisheries Management													
		Livestock and fisheries	Others(Pl. Specify)													
		Home Science	Household nutritional security													
		Home Science	Economic empowerment of women													
		Home Science	Drudgery reduction of women													
		Home Science	Others(Pl. Specify)													
		Agricultural Extension	Capacity Building and Group Dynamics													
		Agricultural Extension	Others(Pl. Specify)													

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Training title	Self employed after training			Number of persons employed else where
	Type of units	Number of units	Number of persons employed	

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	1	25
Design and development of low/minimum cost diet	1	25
Designing and development for high nutrient efficiency diet	1	25
Minimization of nutrient loss in processing	1	25
Processing and cooking	1	25
Gender mainstreaming through SHGs	1	25
Storage loss minimization techniques	1	25
Value addition	1	25
Women empowerment	1	25
Location specific drudgery reduction technologies	1	25
Rural Crafts	1	25
Women and child care	1	25
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	1	25

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Crop Production	12	300
Horticulture	12	300

Area of Training	Jan-Dec-2020	
	Courses	Participants
Soil Health and Fertility Management	3	75
Livestock Production and Management	12	300
Agril. Engineering	-	-
Plant Protection	5	125
Fisheries	12	300
Production of Input at site	2	50
Capacity Building and Group Dynamics	2	50
Agro forestry	2	50

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.)								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic	0												
Animal Health Camp	1												
Awareness programme	10												
Celebration of important days	10												
Diagnostic visits	5												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.)								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Exhibition	5												
Exposure visits	12												
Ex-trainees Sammelan	02												
Farm advisory Services													
Farmers visit to KVK													
Field Day	4												
Group meetings	12												
Kisan Ghosthi/Sammelan	5												
Kisan Mela	5												
Krishi Mahotsav	0												
Lectures delivered as resource persons	80												
Mahila Mandals conveners meetings	01												
Method Demonstrations	6												
Pradhanmantri phasal beema yojana	0												
Scientific visit to farmers field	80												
Self Help Group conveners meetings	02												
Soil health Camp	02												
Soil test campaigns	02												
Technology Week	01												
Radio talks	0												
Extension literature	12												
TV talks	0												
Newspaper coverage	30												
Film Show	24												
Others	06												

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	0			
TV talks	0			
Newspaper coverage	30	04	Dindori	Local
Internet (Youtube)	0			
Social media (Whats App, Facebook, Instagram, Twitter etc.)	Whatsapp			

7. Literature Developed/Published**7.1 KVK Newsletters (Jan to Dec. 2020)**

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.)
Dindori	January to March 2020	Q1	1000		
Dindori	April to June 2020	Q2	1000		
Dindori	July to September 2020	Q3	1000		
Dindori	October to December 2020	Q4	1000		

7.2 Literature developed/published

KVK Name	Type	Number of copies
Dindori	Abstract	
Dindori	Book	
Dindori	Book Chapter	
Dindori	Booklet	
Dindori	Leaflets/ Folder/ Pamphlet	
Dindori	Popular article	
Dindori	Technical Bulletin	
Dindori	Training Manual	
Dindori	Technical Report	
Dindori	Year Planner	1

KVK Name	Type	Number of copies
Dindori	Others (pl. specify)	

Research paper /Review paper published during Jan to Dec. 2020

Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Dindori			

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Dindori							

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Dindori	Fruit Plants	Custard Apple	Balanagar	1000	15000	100	
Dindori	Fruit Plants	Jackfruit	Rudrakshi	500	7500	125	
Dindori	Fruit Plants	Guava	Allahawadi Safeda	200	3000	50	
Dindori	Fruit Plants	Jamun	Local	100	50	25	
Dindori	Fruit Plants	Drumstick	PKM-1	500	10000	100	
Dindori	Fruit Plants	Papaya	Pusa nanha	500	10000	100	
Dindori	Agro-forestry	Bamboo	Katanga	1500	15000	150	
Dindori	Agro-forestry	Gulmohar	Local	250	3750	125	
Dindori	Vegetables	Tomato	Lakshmi, uday	5000	5000	50	
Dindori	Vegetables	Brinjal	BSS 985 hybrid	5000	5000	50	

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Dindori	Vegetables	Chilli	KSP 1251	5000	5000	50	
Dindori	Vegetables	Cabbage	Green Challenger	5000	5000	50	
Dindori	Vegetables	Cauliflower	Himalaya Snowball	5000	5000	50	

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost					
	Azolla					
	Earthworms					
	Compost					
	Blue green algae					
	NADEP					
	Sanjeevani Khad					
	Acetobacter					
	Aspergillus					
	Azotobacter					
	Azospirillum					
	Phosphate solubilizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					
Bio-Food	Spirulina					
	Honey					
	Any Other (pl. sp.)					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Pesticides	Neem extract					
	Neem powder					
	Tobacco extract					
	Trichoderma viride					
	Trichoderma harjinum					
	Trichogramma chilonis					
	Beauveria bassiana					
	Metarhizium anisopliae					
	Pseudomonas fluorescens					
	SINPV					
	HaNPV					
	GF1					
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea					
	Tricho card					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Any other (Pl. Specify)					
Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis					
	Epiricania melanolauca					
Bio Agents(Worms)	Assinia foetida					
	Eudrilus eugeniae					
	Euclnia Uginae					
	Eisenia foetida					
	Earth worm					
	Any other (pl. specify)					
Others	Mushroom spawn					
	Mineral Mixture					
	Cow dung (dry)					
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow						
	Calves						
	Goats						
	Buffaloes						
	Sheep						
	Breeding bull						
	Other (pl specify)						
Poultry	Poultry						

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
	Other						
Piggery	Piglets						
	Boar						
	Sow						
	Other (pl specify)						
Fisheries	Indian carp						
	Exotic carp						
	Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed		No. of Farmers benefited		No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
	Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	by KVKs	By Department	By KVK	By Department			Through Mini Soil Testing kit	Through Soil testing laboratory
					Mini Soil Testing kit	Soil testing laboratory	Mini Soil Testing kit	Soil testing laboratory				

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Dindori	2	2	500		

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Dindori	2010	2010	06	Nil	-

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology					
		Integrated Farming					
		Field Preparation					
		Any Other (Specify)					
2	Weather	Advisory					
		Change in variety					
		Change in Sowing technique					
		Climate forecast					
		Any Other (Specify)					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
3	Soil Management	Soil Testing					
		INM					
		Fertilizer Application					
		Vermicomposting/ bio-waste recycling					
		Bio-fertilizer					
		Any Other (Specify)					
4	Disease & Pest Management	Disease Management					
		Pest Management					
		Preventive Advisory Disease Management					
		Preventive Advisory Pest Management					
		Bio-pesticides					
		Any Other (Specify)					
5	Nutrition Security & Women Empowerment	Nutrition Awareness					
		Kitchen garden					
		Value Addition and Processing					
		Drudgery Reduction					
		Entrepreneurship & Income Generation					
		Advisory					
		Any Other (Specify)					
6	Horticulture	Vegetable					
		Fruit					
		Hi Tech Horticulture					
		Any Other (Specify)					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
7	Livestock	Feed and Fodder					
		Dairy Management					
		Fisheries					
		Poultry Management					
		Vaccination & Disease management					
		Any Other(Specify)					
8	Farm Mechanization						
9	Extension						
10	Organic Farming						
11	Marketing						
12	Awareness						
13	Other Enterprise						
14	Any Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01.01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/National)	Awarding Organizations	Amount received

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Dindori	07	905	05	07	446	900

Intensive- OFTS, FLDS etc ; **Extensive-** Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation *
Dindori							

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Dindori	Umaria				
Dindori	Shahdol				
Dindori	Mandla				

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks

28. Status of KVK Website during Jan to Dec. 2020

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
Dindori				

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS-Proposed

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Dindori	Gosthies	2	50	Kharif & Rabi Crops/livestock/Horticulture
Dindori	Lectures organized	5	120	
Dindori	Exhibition	1	100	
Dindori	Film show	1	50	
Dindori	Fair	1	100	
Dindori	Farm/ Field Visit	2	100	
Dindori	Diagnostic Practical's	2	20	
Dindori	Distribution of Literature (No.)	5	100	
Dindori	Distribution of Seed (q)	2	50	
Dindori	Distribution of Planting materials (No.)	1	50	
Dindori	Bio Product distribution (Kg)	0	0	
Dindori	Distribution of Bio Fertilizers (q)	1	50	
Dindori	Distribution of fingerlings	0	0	
Dindori	Distribution of Livestock specimen (No.)	0	0	
Dindori	Total number of farmers visited the technology week	2	100	
Dindori	Animal health camp	1	50	
Dindori	Awareness programme	1	50	
Dindori	Demonstration	1	50	
Dindori	Exposure visit	1	30	
Dindori	Ex-trainees Meet	1	25	
Dindori	Farmer scientist interaction	1	50	
Dindori	Farmers Training	1	50	
Dindori	Gajarghans Unmulan Pakhwada	1	50	
Dindori	Group Meeting	1	50	
Dindori	Jai Kisan Jai Vigyan Sangoshthi	1	50	
Dindori	Plant Protection Week	1	50	
Dindori	Seed treatment campaign	1	50	
Dindori	Self Help Group convener meet	1	50	
Dindori	Soil health Camp	1	50	

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Dindori	Swachha Bharat Abhiyan	1	50	
Dindori	Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Saplings				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

39. (a) Case study / Success Story–

Name of the KVK	
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies

8. KVK, Harda

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	22	555			
FLDs – Oilseeds (activity in ha) CFLD	10	25			
FLDs – Pulses (activity in ha) CFLD	40	100			
FLDs – Cotton (activity in ha)	0	0			
FLDs – Other than Oilseed and pulse crops(activity in ha)	24	60			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	11	240			
Training-Farmers and farm women	71	1420			
Training-Rural youths & vocational	14	280			
Training- Extension functionaries	9	180			
Extension Activities	84	3350			
Seed Production (Number of activity as seeds in quintal)	12	-			
Planting material ((Number of activity as quantity of planting material in quintal)	-	-			
Seedling Production (Number of activity as number of seedlings in numbers)	200000	100			
Sapling Production (Number of activity as number of sapling in numbers)	-	-			
Other Bio- products (No. of quantity)	-	-			
Live stock products	-	-			
Activities of Soil and Water Testing Laboratory	-	1000			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	48	36750			
SAC Meeting (Date & no. of core/ official members)	2	50			
Literature to be Developed/Published	34	mass			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Convergence programmes / Sponsored programmes	-	-			
Utilization of Farmers Hostel	-	-			
Utilization of Staff Quarters	-	-			
Details of KVK Agro-technological Park	-	-			
Crop Cafeteria (ha)	0.12	-			
Farm Innovators- list of 10 farm innovators from the District	10	100			
Status of Revolving Funds	-	-			
Awards and Recognitions	03	-			
Case study / Success Story to be developed	02	-			
KVK Progressive Farmers interaction	02	50			
Outreach of KVK in the District (No. of blocks, no. of villages)	3/294	-			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	2	-			
Important visitors to KVK	05	-			
Status of KVK Website	37	Mass			
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	01	90			
Interventions on Drought Mitigation	Need based	-			
Sansad Adarsh Gram	Covered by KVK Betul	-			
Other Activities	-	-			
(CFLD & Seed Hub)	as per allotment	-			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Nutria smart village	-	-			
Satellite village					

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Harda	16	01	01	06	06	03	03	06	03	16	13

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Senior scientist /Head	Dr. R.C. Sharma	Horticulture	PhD	Horticulture	37000-67000 AGP: 10000	63610	18-07-2006	Gen
Scientist	Dr Abhay Wankhede	Agril. Extension	Ph.D.	Agril. Extension	15600-39100 AGP:6000	25870	05-02-2007	OBC
Scientist	Dr. Sandhya Mure	Home Science	PhD	Family Resource Management	15600-39100 AGP:6000	33540	29.01.2007	OBC
Scientist	Ku. Jagriti Borkar	Home Science	M.Sc., UGC-NET	Family Resource Management	15600-39100 AGP:6000	27750	21-02-2007	SC
Scientist	Dr. S.K. Tiwari	Agronomy	Ph.D.	Agronomy	15600-39100 AGP:6000	29070	12-03-2007	Gen
Scientist	Dr. Sarvesh	Agril. Extension	Ph.D.	Indigenous	15600-	30570	12-10-2011	Gen

	Kumar	& Rural Sociology	ICAR-NET	Agricultural Knowledge	39100 AGP:6000			
Scientist	Shri Roop Chand Jatav	Soil Science & Agril. Chemistry	M.Sc. ICAR - NET	Soil Science & Agril. Chemistry	15600-39100 AGP:6000	21600	03-10-2017	SC
Computer Programmer	Shri. Pramod Prasad Padwar	Computer Science	B.E.	Computer Science (CSE)	9300-34800 AGP: 4200	57400	01-04-2008	ST
Farm Manager	Ku. Pushpa Jharia	Plant Breeding & Genetics	M.Sc.	Plant Breeding & Genetics	9300-34800 AGP: 4200	52500	12-10-2011	SC
Programme Assistant	Shri. Mukesh Kumar Bankoliya	Plant Protection	M.Sc.	Plant Pathology	9300-34800 AGP: 4200	52500	13-10-2011	SC
Accountant / superintendent	Vacant	-	-	-	-	-	-	
Jr. Stenographer cum Computer Operator	Ganesh Soni	Arts	B.A.	Politics	5200-20200 AGP : 2400	25300	21.03.2018	Gen
Driver	Shri. Badri Prasad Nai	-	5th	-	5200-20200 AGP:1900	27000	08-07-2008	Gen
Driver	Shri. Ram Singh Ahriwar	-	12th	-	5200-20200 AGP:1900	27000	14-07-2008	SC
Supporting staff	Vacant	-		-	-	-	-	
Supporting staff	Vacant	-		-	-	-	-	

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Harda	Central Narmada Valley	3	211	5,70,465	72.5%	252543	102436	1.76 ha

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Harda	Lalmati	2013	Harda	30 Km.	380	120
Harda	Balagaon	2013	Harda	15Km	1200	255
Harda	Neelgarh	2014	Harda	20 Km	750	164
Harda	Uwa	2014	Harda	35 Km	550	150
Harda	Sotada	2013	Timarni	35Km.	950	148
Harda	Chhirpura	2014	Timarni	40 km	800	280
Harda	Aamsagar	2014	Timarni	42 km	862	156
Harda	Barkala	2013	Timarni	14 Km.	1200	218
Harda	Sonpura	2014	Khirkia	50 km	900	203
Harda	Gahal	2013	Khirkia	25 km	1500	261
Harda	Mardanpur	2014	Khirkia	30 Km	1300	325
Harda	Mahendragoon	2014	Khirkia	40 Km	1700	620
Harda	Amasel	2015	Khirkia	44Km	1800	715
Harda	Bandimohadia	2015	Khirkia	40Km	1650	645
Harda	Bhadugaon	2017	Timarni	45Km	1760	735

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Harda	Use of improved varieties with quality seed/planting materials
Harda	Integrated Crop Management
Harda	Popularization of Improved Vegetable Techniques.
Harda	Awareness for establishment of a new orchard.
Harda	Use of INM and balance dose of fertilizers with micronutrients.
Harda	Use of Organic Manure.
Harda	To generate self-employment and Income Sources
Harda	Drudgery Reduction and efficiency enhancement of farm women through mechanization
Harda	Nutrition and Health care
Harda	Use of Integrated Pest Management
Harda	Use of Integrated Disease Management

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Harda	Low yield of Soybean	Group discussion, Farmers meeting, Village Survey, according to field extension officers and PRA.	Harda, Timarni and Khirkiya
Harda	Low yield of Wheat	Group discussion, Farmers meeting, Village Survey, according to field extension officers and PRA.	Harda, Timarni and Khirkiya
Harda	Low yield of Gram	Group discussion, Farmers meeting, Village Survey, according to field extension officers and PRA.	Harda, Timarni and Khirkiya
Harda	Low yield of Summer Green Gram	Group discussion, Farmers meeting, Village Survey, according to field extension officers and PRA.	Harda, Timarni and Khirkiya
Harda	Low yield of Pigeon-Pea	Group discussion, Farmers meeting, Village Survey, according to field extension officers and PRA.	Harda, Timarni and Khirkiya
Harda	Low yield of Vegetables	Group discussion, Farmers meeting, Village Survey, according to field extension officers and PRA.	Harda, Timarni and Khirkiya
Harda	Low milk production in milch Animal	Group discussion, Farmers meeting, Village Survey, according to field extension officers and PRA.	Harda, Timarni and Khirkiya
Harda	Unawareness about Balance Diet	Group discussion, Farmers meeting, Village Survey, according to field extension officers and PRA.	Harda, Timarni and Khirkiya
Harda	Unemployment in the Villages	Group discussion, Farmers meeting, Village Survey, according to field extension officers and PRA.	Harda, Timarni and Khirkiya

2. On Farm Testing (OFT)

2.1 Information about OFT:

Title of on-farm trial: 1	Assessment of Integrated weed management practices in Soybean crop
Year/Season:	Kharif -2020-21
Farming situation:	Irrigated, Black soil
Problem diagnosis:	Low yield due to heavy weed infestation
Thematic area:	Integrated Crop Management
No of trials:	05

No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of pre emergence herbicide
T2 –Recommended Practice-	Use of Diclosulam @ 26g a.i. /ha as pre-emergence
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	DWR,Jabalpur, 2015
Characteristics of technology:	It will control weed seed germination of BLW & grasses
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	
Recommendations for Dept. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Grain yield	(q/ha)				
	Weed count	Per m2				
T2 (Recommended Practice)	Grain yield	(q/ha)				
	Weed count	Per m2				
T3 (Recommended Practice)	-					

Title of on-farm trial: 2	Assessment of HY short duration Niger variety JNS 28 in Medium Black Soil Condition
Year/Season:	Kharif -2020-21
Farming situation:	Irrigated, Black soil
Problem diagnosis:	Low yield of traditional crop soybean due to continuous cultivation of soybean crop and biotic stress
Thematic area:	Crop Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No cultivation of Niger crop
T2 –Recommended Practice-	High yielding short duration Niger Variety JNS 28
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, 2013
Characteristics of technology:	Short duration, High yielding , High oil content 32-36%, resistant to powdery mildew
Name of Crop/Enterprises:	Niger Crop JNS 28
Recommendations for Farmers	
Recommendations for Dept. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Grain yield	(q/ha)				
T2(Recommended Practice)	Grain yield	(q/ha)				
T3(Recommended Practice)	-					

Title of on-farm trial: 3	Assessment on IPM Module Against fall army worm in hybrid maize in Irrigated Situation
Year/Season:	Kharif -2020
Farming situation:	Irrigated, Deep Black Soil, Raised bed planting system
Problem diagnosis:	Low yield of Maize due to infestation of fall army worm
Thematic area:	Integrated Pest Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of Integrated Pest Management module
T2 –Recommended Practice-	Summer deep ploughing + Soil treatment with Carbofuron 3G @ 25 kg /ha +Seed treatment with Thiamethoxam 30 FS @ 10ml /kg seed + Need based foliar application of Spinosad 45 SC @ 150 ml/ha
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, 2017-18
Characteristics of technology:	It will effectively manage fall army worm and keep population below ETL
Name of Crop/Enterprises:	Hybrid Maize
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Grain yield	(q/ha)				
	No. of Larvae	per m ²				
T2(Recommended Practice)	Grain yield	(q/ha)				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	No. of Larvae	per m ²				
T3(Recommended Practice)	-					

Title of on-farm trial: 4	Assessment on IPM Module Against Aerial Blight (<i>Rhizoctonia solani</i>) in Soybean (JS 95-60, RVS 2001-04)
Year/Season:	Kharif -2020
Farming situation:	Irrigated, Black Soil, Raised bed planting system
Problem diagnosis:	Low yield of soybean due to incidence of Aerial Blight
Thematic area:	Integrated Disease Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of IDM module
T2 –Recommended Practice-	Soil treatment with <i>Trichoderma spp.</i> @ 10 kg/ha +Seed treatment with Thiram + Carboxin (2:1) @ 3g/kg seed+Two Foliar spray of Trifloxystrobin+ Tebuconazole 1 g/l or 500g/ha.
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	DAU, 2012 Dharwad
Characteristics of technology:	It will effectively manage Aerial blight in Soybean
Name of Crop/Enterprises:	Soybean (JS 95-60, RVS 2001-04)
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Grain yield	(q/ha)				
	Disease incidence	%				
T2(Recommended Practice)	Grain yield	(q/ha)				
	Disease incidence	%				
T3(Recommended Practice)	-					

Title of on-farm trial: 5	Assessment of STV based Integrated Nutrient management in hybrid Maize on (Line Sown) under Irrigated Condition in Vertisol
Year/Season:	Kharif- 2020
Farming situation:	Irrigated, Black Soil
Problem diagnosis:	Low yield and poor quality of Maize due to Imbalance Use Nutrients
Thematic area:	Integrated Nutrient Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Imbalance Use Nutrients
T2 –Recommended Practice-	90:45:30 kg/ha. NPK + 5 kg Zn /ha +5 t FYM + Bio-fertilizer (Soil applicationAzt.@ 3 lit. /ha and PSB @3 lit. /ha)
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IISS (2013)
Characteristics of technology:	Balance fertilizer in Maize based on STV, Improved soil fertility and Crop production
Name of Crop/Enterprises:	Maize
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Grain yield	(q/ha)				
T2(Recommended Practice)	Grain yield	(q/ha)				
T3(Recommended Practice)	-					

Title of on-farm trial: 6	Assessment of Decomposition of Agricultural Waste Material through Vermiculture.
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Crop Residue Burning Due to Low Rate of Bio recycling of Agricultural Waste Material.
Thematic area:	Agricultural Waste Management
No of trials:	05
No. of farmers involved	
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Traditional Method of Bio recycling of Agricultural Waste
T2 –Recommended Practice-	Vermicomposting by Eisenia foetida @ 1 kg/100 kg Waste Material @ 50-55 % moisture , temp 30-40 °C.
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IISS (2005)
Characteristics of technology:	Easily , fast and high nutritional value Vermicompost by Eisenia foetida
Name of Crop/Enterprises:	Vermiculture
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	-

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Verm and Vermicompost Production	(q/unit/year)				
T2(Recommended Practice)	Verm and Vermicompost Production	(q/unit/year)				
T3(Recommended Practice)	-					

Title of on-farm trial: 7	Assessment of Waste Decomposer on Decomposition of Agricultural Wheat Crop Residue.
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Crop Residue Burning Due to Low Rate of Bio recycling of Agricultural Waste Material.
Thematic area:	Agricultural Waste Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Decomposition of crop residue in open hip or burning
T2 –Recommended Practice-	Waste Decomposer@ 30g/10000 metric tons Crop Residue (Mix 2 kg of jaggery in 200 liter of water in a container and stir well . Open the 30gm bottle and pour the contents of the bottle into the solution (avoid direct contact of contents with hands) . Stir the contents of the container and cover it with a paper/cardboard etc and stir it daily once within 4 days the material is ready. the consortium is suitable to be used for composting, foliar spray, in-situ composting and seed treatment).
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-

Source of technology:	NCOF ,Ghaziabad (UP) 2015
Characteristics of technology:	Easily , fast and well nutritional value of composting by Waste Decomposer
Name of Crop/Enterprises:	Waste Decomposer
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Compost production	(q/unit/year)				
T2(Recommended Practice)	Compost production	(q/unit/year)				
T3(Recommended Practice)	-					

Title of on-farm trial: 8	Assessment of Biological insecticides for management of invasive pest <i>Tuta absoluta</i> (leaf miner) in Hybrid Tomato
Year/Season:	Rabi -2020-21
Farming situation:	Irrigated, Black Soil
Problem diagnosis:	Low yield of Tomato due to infestation of <i>Tuta absoluta</i> (leaf miner)
Thematic area:	Integrated Pest Management
No of trials:	05
No. of farmers involved	
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Indiscriminate use of insecticides
T2 –Recommended Practice-	Two foliar spray of Spinosad 45 SC 150 ml /ha at 20 days after planting second spray is at 45 days .
T3- Recommended Practice-	

Date of sowing:	
Date of harvesting:	
Source of technology:	IIVR, 2015
Characteristics of technology:	It will effectively control <i>Tuta absoluta</i> (leaf miner) in Tomato.
Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	yield	q/ha				
	No. of larvae	per m2				
T2(Recommended Practice)	yield	q/ha				
	No. of larvae	per m2				
T3(Recommended Practice)	-					

Title of on-farm trial: 9	Assessment of Mycopesticides <i>Beuveria basiana</i> against Pod borer (<i>Heliothis armigera</i>) in Chickpea.
Year/Season:	Rabi-2020-21
Farming situation:	Irrigated, Black soil
Problem diagnosis:	Low yield of Chickpea due to infestation of Pod borer (<i>Heliothis armigera</i>)
Thematic area:	Integrated Pest Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of biological insecticides.

T2 –Recommended Practice-	Two foliar spray of <i>Beuveria basiana</i> ($1*10^8$ bacteria/ml)@1 liter /ha alongwith sticker 1 ml/liter of water an interval of 10-15 days
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV,2014
Characteristics of technology:	Two foliar spray of <i>Beuveria basiana</i> ($1*10^8$ bacteria/ml)@1 liter /ha alongwith sticker 1 ml/liter of water an interval of 10-15 days
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Awaited

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of larvae	per m2				
	yield	q/ha				
T2(Recommended Practice)	No. of larvae	per m2				
	yield	q/ha				
T3(Recommended Practice)						

Title of on-farm trial:10	Assessment of new High Yielding Variety MP1323 of Wheat
Year/Season:	Rabi -2020-21
Farming situation:	Irrigated, Black soil
Problem diagnosis:	Low yield due to use of old variety GW322
Thematic area:	CP

No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of old variety
T2 –Recommended Practice-	HY Variety MP1323 Wheat
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, 2019
Characteristics of technology:	High yielding with biofortified high protein, Zn content resistant to rust
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Dept. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Grain yield	q/ha				
T2(Recommended Practice)	Grain yield	q/ha				
T3(Recommended Practice)	-					

Title of on-farm trial: 11	Assessment of STV based Integrated Nutrient Management in GreenPea cv G Kashi Nandini (Line sown) Under Irrigated I Condition in Vertisol.
Year/Season:	2020-21 / Rabi
Farming situation:	Irrigated, Black Soil
Problem diagnosis:	Low yield and poor quality of Green pod due to Imbalance use of Nutrients
Thematic area:	Integrated Nutrient Management

No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Imbalance use of Nutrients
T2 –Recommended Practice-	20:60:20:20 kg/ha NPKS+ 10 t /ha FYM+ Bio-fertilizers (Soil application PSB @ 3 lit. /ha and Rhizobium @ 3 lit. /ha)+5 kg Zn /ha .
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IISS (2012)
Characteristics of technology:	Balance fertilizer in Pea based on STV, Improved soil fertility and Green pod yield
Name of Crop/Enterprises:	Pea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	-

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Grain yield	(q/ha)				
T2(Recommended Practice)	Grain yield	(q/ha)				
T3(Recommended Practice)	-					

Title of on-farm trial: 12	Assessment of Direct Seeding of Moongbean without Crop Residue Burning
Year/Season:	Zaid-2021
Farming situation:	Irrigated , Heavy Black soil
Problem diagnosis:	Low yield of Greengram due to residue burning as open field fire
Thematic area:	Resource Conservation Technology

No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Moongbean sowing after burning of crop residue
T2 –Recommended Practice-	Direct seeding of Greengram without crop residue burning
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV-2015
Characteristics of technology:	Direct seeding without crop residue burning saves energy time and water
Name of Crop/Enterprises:	Moongbean
Recommendations for Farmers	
Recommendations for Dept. Personnel	
Feedback	

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha				
	Nodules/plant					
	Saving of Irrigation					
T2(Recommended Practice)	Yield	q/ha				
	Nodules/plant					
	Saving of Irrigation					

Title of on-farm trial: 13	Assessment of New High yielding Moongbean variety MH-421 during Summer
Year/Season:	Zaid-2021
Farming situation:	Irrigated , Black Soil
Problem diagnosis:	Low yield of Summer Moongbean due to use of old variety
Thematic area:	Crop Production
No of trials:	05

No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of Old Variety (PDM-139)
T2 –Recommended Practice-	Use of HYV of Greengram (MH-421), Resistant to YMV
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	CCS, HAU - 2012
Characteristics of technology:	New High Yielding Mosaic resistant short duration variety
Name of Crop/Enterprises:	Moongbean Variety MH-421
Recommendations for Farmers	
Recommendations for Dept. Personnel	
Feedback	

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha				
	Nodules/plant					
T2(Recommended Practice)	Yield	q/ha				
	Nodules/plant					
T3(Recommended Practice)						

Title of on-farm trial: 14	Assessment of new Pusa Deep and Pusa Arpit improved varieties of Marigold
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated, Black soil
Problem diagnosis:	Low yield due to use of old varieties
Thematic area:	HOF
No of trials:	05
No. of farmers involved	05

Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of old variety
T2 –Recommended Practice-	HY Variety Pusa Deep and Pusa Arpit
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IARI,2016
Characteristics of technology:	Pusa Deep (French marigold, Mehroon colour flower)early, 350q/ha Pusa Arpit (African type, orange colour flower)yield 350q/ha
Name of Crop/Enterprises:	Marigold
Recommendations for Farmers	
Recommendations for Dept. Personnel	
Feedback	

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha				
	Diameter of flower					
	no of flower per plant					
T2(Recommended Practice)	Yield	q/ha				
	Diameter of flower					
	no of flower per plant					
T3(Recommended Practice)						

2.2. Information about Extension OFT:

Title of OFT-15:

Title	Study of Effectiveness of Social Media 'Kisan Mobile Advisory' for Dissemination of Yellow Mosaic Disease Management Technology in Soybean Under Soybean-Wheat Crop Sequence in Black Soil
Season & Year	Kharif -2020
Problem identified	Lack of technical and quick knowledge sharing social media among farmers
Thematic Area	Information Communication Technology
Farming situation	
Name of Technology under study	Dissemination of agricultural technologies without using social media
Farmers Practice	Dissemination of agricultural technologies by using social media "Kisan Mobile Advisory".
No. of replication (Farmers)	80

Characteristics of Tech: It gives clarity of message, easy to understand, quick dissemination, may enhance attention and interest of young farmers.

Performance indicator/parameter: 1. Content of the message 2. Time of the message sent 3. Type of message 4. No of words/message 5. Language of the message 6. Crop stage when message sent 7. Visibility of the content 8. Applicability of the message 9. Need of the message 10. Impact of message 11. Farmer's feedback. 12. Additional yield/ha 13. Additional income/ha.

Results / findings

Performance indicators/ parameters	Unit/ details

Title of OFT-16:

Title	Study of Effectiveness of Social Media 'Kisan Mobile Advisory' for Dissemination of Wilt Management Technology in Chickpea under Soybean-Chickpea Crop Sequence
Season & Year	Rabi -2020-21
Problem identified	Lack of technical and quick knowledge sharing social media among farmers
Thematic Area	Information Communication Technology
Farming situation	
Name of Technology under study	Dissemination of agricultural technologies by using social media like "KMA".
Farmers Practice	Dissemination of agricultural technologies without social media
No. of replication (Farmers)	80

Characteristics of Tech: It gives clarity of message, easy to understand, quick dissemination, may enhance attention and interest of young farmers.

Performance indicator/parameter: 1. Content of the message 2. Time of the message sent 3. Type of message 4. No of words/message 5. Language of the message 6. Crop stage when message sent 7. Visibility of the content 8. Applicability of the message 9. Need of the message 10. Impact of KMA message 11. Farmer's feedback 12. Additional yield/ha 13. Additional income/ha.

Results / findings

Performance indicators/ parameters	Unit/ details

Title of OFT-17 :

Title	Assessment of adoption of Soil Health Card based fertilizer application.
Season & Year	Kharif-Rabi –Zaid 2020-21
Problem identified	Poor adoption of Soil Health Cards based fertilizer application.
Thematic Area	Capacity building (CBD)
Farming situation	
Name of Technology under study	To find out adoption of Soil Health Card based fertilizer application by farmers and constraints faced in adoption of SGC based fertilizer use.
Farmers Practice	Farmers are not using Soil Health Cards based fertilizer application
No. of replication (Farmers)	300

Characteristics of Tech: Cost of cultivation Minimized, quality produce, good return.

Performance indicator/parameter: 1. Age 2. Education 3. Family size 4. Social Participation 5. Extension Participation 6. Mass media Exposure 7. Land holding 8. Family Income 9. Impact of soil health cards 10. Farmer's feedback.

Results / findings

Performance indicators/ parameters	Unit/ details

2.3. Information about Home Science OFT:

Title of on-farm trial: 18	Assessment of Soy biscuits for Nutritional security of Anganwadi going malnourished children (3-5 years)
Year/Season:	Kharif-2020
Problem diagnosis:	Malnutrition due to low intake of protein
Thematic area:	WOE
No of trials:	05
No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Low intake of protein in Diet
T2 –Recommended Practice-	Soy flour-25 gm, Multi Grain Flour-75 gm, Sugar-25 gm. & Fat- 15 gm. 4 Biscuits (35 gm each biscuits)/day/child for 3 months)
Source of technology:	CIAE-Bhopal
Characteristics of technology:	Protein Rich Product–Soy biscuits (39% RDA)
Name of Crop/Enterprises:	Soy biscuits
Farming situation:	-
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: - Soya nuts

Detail of Technology	Name of Product/ enterprise	Per capita Consumpti on gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T₁(Farmers Practices)	Nutritional Parameters, pre and post anthropometric measurement								
T₂(Recommended Practices)	Nutritional Parameters, pre and post anthropometric measurement								
T₃(Recommended Practices)	-								

Title of on-farm trial: 19	Assessment of nutritious chapati (98% wheat flour+ 2% mushroom powder)in Poshtik Thali for diabetic & BP Patient
Year/Season:	Kharif-2020
Problem diagnosis:	Diabetes & High BP due to low intake of nutritious diet in rural person(45-55 years womens)
Thematic area:	WOE
No of trials:	05
No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Low intake of nutritious diet in rural areas
T2 –Recommended Practice-	Wheat flour 147 gm+ Mushroom Powder 3 gm Diet = 6 chapati /day/children for 3 months (each chapati 25 gm)

Source of technology:	IGKVV, Raipur - 2012
Characteristics of technology:	Low cholesterol , high Mineral & Fiber, good quality Protein Rich Product (Chapati)
Name of Crop/Enterprises:	Dry Mushroom powder
Farming situation:	Irrigated
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	Good for older person
Recommendations for Deptt. Personnel	easily acceptable by older people as well disease control
Feedback	Low calorie & high protein value for older person

Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: - nutritious chapati (98% wheat flour+ 2% mushroom powder)

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal) Blood Pressure	Protein (gm) Sugar fasting	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)	Blood sample (fasting & random), Blood pressure								
T ₂ (Recommended Practices)	Blood sample (fasting & random), Blood pressure								

Title of on-farm trial: 20	Assessment of Moringa (<i>Moringa oleifera</i>) Powder for Anemic Adolescent Girls
Year/Season:	Kharif-2020
Problem diagnosis:	Malnutrition due to high anemia (65 %) in rural adolescent girls
Thematic area:	WOE
No of trials:	05

No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Imbalance diet
T2 –Recommended Practice-	Moringa Powder-20 gm /day/girl for 3 months in their daily diet
Source of technology:	CFTRI
Characteristics of technology:	Iron Rich Product (Moringa Powder)
Name of Crop/Enterprises:	Moringa leaf Powder
Farming situation:	Irrigated
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: - Moringa (*Moringa oleifera*) Powder)

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)	Nutrient Intake (Unit) Anthropometric measurements								
T ₂ (Recommended Practices)	Nutrient Intake (Unit) Anthropometric measurements								
T ₃ (Recommended Practices)	-								

Title of on-farm trial: 21	Assessment of Malted sattu (Sprouted chickpea+ sprouted wheat) for Malnourished Children at Aaganwari Kendra
Year/Season:	Rabi -2020-21
Problem diagnosis:	Malnutrition in Rural Children (42%) Age -3-5 years
Thematic area:	WOE
No of trials:	05
No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Imbalance diet
T2 –Recommended Practice-	Sprout Sprouted chickpea -15 gm,+ sprouted wheat 15 gm + Jaggery 10 gm @ 40 gm/day/child for 3 months , (Fulfilling the 29% requirement of RDA)
Source of technology:	CFTRI, Mysore-2012
Characteristics of technology:	Protein Rich Product (Sprouted chickpea+ sprouted wheat)
Name of Crop/Enterprises:	Sprouted chickpea+ sprouted wheat
Farming situation:	-
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: - Malted sattu (Sprouted chickpea+ sprouted wheat)

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)
T ₁ (Farmers Practices)	Sensory parameter, Nutritional Parameters, pre and post anthropometric measurement								
T ₂ (Recommended Practices)	Sensory parameter, Nutritional Parameters, pre and post anthropometric measurement								
T ₃ (Recommended Practices)	-								

Home Science

Title of on-farm trial: 22	Assessment of Backyard Poultry production for Income Generation of resource poor farm womens
Year/Season:	Rabi 2020-21
Problem diagnosis:	Low income of Farm Women (50%)
Thematic area:	WOE
No of trials:	05
No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	

T1 – Farmers Practice-	Use of Deshi Breed
T2 –Recommended Practice-	Use of Improved Breed ((Kadakhnath), 20 Chicks/unit, Units-5
Source of technology:	JNKVV
Characteristics of technology:	Good for meat, higher weight gain, high price value, more survival rate.
Name of Crop/Enterprises:	Kadakhnath chicks
Farming situation:	-
Date of sowing:	
Date of harvesting:	-
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -Backyard poultry

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)	Weight/bird, % Mortality,					
	Eggs laying/bird,					
	Income Generation/unit					
T ₂ (Recommended Practices)	Weight/bird, % Mortality,					
	Eggs laying/bird,					
	Income Generation/unit					
T ₃ (Recommended Practices)	-					

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during April-2020 to March -2021

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated /semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	kharif	IDM	Demonstration on Integrated Disease Management against leaf curl virus in Chilli	Vegetable - Chilli	Chilli	Hybrid chilli	irrigated		2								
2020-21	Rabi	IDM	Demonstration of Mycopesticides <i>Beauveria basiana</i> for management of Diamond back moth in Cabbage	vegetable-cabbage	cabbage	-	irrigated		2								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated /semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Rabi	IDM	Demonstration on IDM Module Against Foliar Disease (Ascochyta Blight) in Chickpea (JG 12)	Pulses - Chickpea	Chickpea	JG12	irrigated		2								
2020-21	Rabi	INM	Demonstration of STV based Integrated Nutrient Management on Yield of Chickpea (JG 130) in Irrigated Situation in Vertisol	Pulses - Chickpea	Chickpea	JG 130	irrigated		2								
2020-21	Rabi	INM	Demonstration of STV based Integrated Nutrient	Cereal	Wheat	GW 322	Irrigated		2								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated /semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			Management in Wheat (GW 322, Line sown) Under Irrigated Condition in Vertisol														
2020-21	Rabi	INM	Demonstration of STV based Integrated Nutrient Management on Yield of Garlic (G-323) in Irrigated Situation in Vertisol	Spices	Garlic	G 323	Irrigated		2								
2020	Kharif	IWM	Demonstration on Pre-emergence herbicide (Pendimethaline) use in	Pulses	Pigeon pea	Rajeshwari	irrigated		2								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated /semi-irrigated)	Completed/Ongoing	Crop Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			Pigeonpea														
2020	Rabi	IWM	Demonstration on integrated Weed management in Mize	Cereal	Maize	P 3401/JM 218	irrigated		2								
2020-21	Rabi	CP	Demonstration on New High yielding variety JG 36 of chickpea	Pulses	Chickpea	JG36	Irrigated		2								
2020-21	Rabi	CP	Demonstration of New High Yielding Variety DBW 187 of Wheat under limited irrigation	Cereal	Wheat	DBW187	irrigated		2								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated /semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			condition														
2020-21	Rabi	HOV	Demonstration of New High Yielding Variety Onion (Bhimakiran) for Increasing Production Under Irrigated Medium Black Soil Condition	Spices	Onion	Bhimakiran	Irrigated		2								
2020-2021	Zaid	CP	Demonstration of New High Yielding Variety IPM 205-7(Virat) of moong bean	Pulses	Moong bean	IPM 205-7(Virat)	irrigated		2								

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration on Integrated Disease Management against leaf curl virus in Chilli Installation of sticky traps @ 150 /ha+ Need based spray of Acetamaprid 125 gm//ha+ spray of wettable sulphur @ 500 gm /ha	Chilli	Disease incidence %, yield q/ha, B:C Ratio										
Demonstration of Mycopesticides <i>Beauveria basiana</i> for management of Diamond back moth in Cabbage (Mustard:Cabbage 2:25 ratio 15 days before transplanting + Need based application of <i>Beauveria basiana</i> @1000 ml /ha)	Cabbage	number of Larvae / m2, yield q/ha, B:C Ratio										
Demonstration on IDM	Chickpea	Disease										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Module Against Foliar Disease (Ascochyta Blight) in Chickpea (JG 12) (Soil treatment with <i>Trichoderma spp.</i> @ 10kg/ha+ Seed treatment with Carboxin+Thiram @ 3gm/kg Seed+need based spray of fungicide Chlorothalonil @ 1000ml/ha or 2ml/l).		incidence %, yield q/ha, B:C Ratio										
Demonstration of STV based Integrated Nutrient Management on Yield of Chickpea (JG 130) in Irrigated Situation in Vertisol	Chickpea	No. of Pod / Plant, Yield q/ha and B:C Ratio										
Demonstration of STV based Integrated Nutrient Management in Wheat (GW 322, Line sown) Under Irrigated Condition in Vertisol	Wheat	No. of Effective Tiller /plant, Plant height(cm), Yield (q/ha) and BC Ratio										
Demonstration of STV based Integrated Nutrient	Garlic	Plant Height (cm), no. of										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Management on Yield of Garlic (G-323) in Irrigated Situation in Vertisol		clove/bulb Yield (q/ha)and B:C Ratio										
Demonstration of integrated Weed management in Pigeon pea (Pendimethaline @ 0.75 kg a.i./ha as pre-emergence)	Pigeon pea	weeds/Sqm, Yield (q./ha), B:C Ratio										
Demonstration of integrated Weed management in Mize (Post emergence use of topramezone 33.6% SC 67.5gm a.i /ha will control both grassy and BLW)	Maize	weeds/Sqm, yield q/ha, B:C Ratio										
Demonstration of New High yielding variety JG 36 of chickpea	Chickpea	Nodules/ Plant, yield q/ha, B:C Ratio										
Demonstration of New High Yielding Variety DBW 187 of Wheat for irrigation condition	Wheat	Yield q/ha B:C Ratio										
Demonstration of New High Yielding Variety Onion (Bhima Kiran) for Increasing	Onion	Yield q/ha B:C Ratio										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Production Under Irrigated Medium Black Soil Condition												
Demonstration of Short duration New High Yielding Variety IPM 205-7(Virat) of moong bean	Moong bean	Yield (q./ha), Days to maturity B:C Ratio										

3.3 Details of FLDs on Agriculture Engineering implemented during April-2020 to March-2021

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Tech nology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrepreneur - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
2020-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.5 Details of FLDs on Animal Science implemented during April-2020 to March-2021

Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.7 Details of FLDs on Fishery implemented during April-2020 to March-2021

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Enterprise - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	round the year 2020-21	WOE Nutritional security	Demonstration on Backyard Nutritional Kitchen Garden	Kitchen garden	Nutritional security through Kitchen garden	0.025								

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			for nutritional Security											
2020-21	Rabi, 2020-21	WOE Income Generation	Demonstration on Seedling Tray for income generation of farm womens	Nursery	hybrid seedling	5 family								
2020-21	Rabi, 2020-21	WOE Income Generation	Demonstration on Mushroom Production for Income Generation of Resource Poor Farm Women (Oyster)	Mushroom (Oyster)	Mushroom (Oyster) Plurotus	5family								
2020-21	Rabi, 2020-21	WOE Income Generation	Demonstration of HYV of Green Pea kashi Nandni for Income Generation of Farm Women	HYV Sweet Pea	Kashi Nandni	0.25								
2020-21	Rabi, 2020-21	WOE Nutritional security	Demonstration of Protein Rich Food Among	Soybean	Soya poha laddo	5 malno urishe								

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Entrepreneur - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			Pre-school Children Suffering from Protein Calorie Malnutrition (Soya poha laddo)			d children								
2020-21	Rabi, 2020-21	WOE Nutritional security	Demonstration of bio fortified Durum Variety Pusa Tejas (HI 8759) for nutritional security of Farm family	wheat	Biofortified Pusa Tejas HI 8759	0.25 ha								
2020-21	Rabi, 2020-21	WOE Nutritional security	Demonstration on Effect of Protein Rich Food among Pre-school Children Suffering from Protein Calorie Malnutrition	soybean	(Soya Nuts)	5 malnourished children								

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Demonstration on Seedling Tray for income generation of farm womens										
Demonstration on Mushroom Production for Income Generation of Resource Poor Farm Women (Oyster)										
Demonstration of HYV of Green Pea kashi Nandni for Income Generation of Farm Women										

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
-	-	-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter		Nutrient Intake (Unit)										Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Demonstration on Backyard Nutritional Kitchen Garden for nutritional Security	vegetables	fruits & vegetables																
Demonstration of Protein Rich Food Among Pre-school Children Suffering from Protein Calorie Malnutrition (Soya poha laddo)	low intake of protein	soya poha laddo																
Demonstration of bio fortified Durum Variety Pusa Tejas (HI 8759) for nutritional security of	wheat	bio fortified wheat																

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Farm family																		
Demonstration on Effect of Protein Rich Food among Pre-school Children Suffering from Protein Calorie Malnutrition	low intake of protein	soy nuts																

Details of FLDs on Agriculture Extension to be implemented during 2020-21

Title of FLD -1	: Demonstration of usefulness of agricultural calendar for improving the technical knowledge of farmers
Season & Year	: Kharif + Rabi (2020-21)
Problem diagnosed	: Lack of technical print literature as per farmers need
Thematic area	: Information Communication Technology
Target	: Farmers and farm women
Number of trials	: 25
Farmers Practices (T1)	: Existing agricultural technical print material
Demonstrated Tech. (T2)	: Supply of agricultural calendar for improving the technical knowledge of farmers 25=(5x5)
Performance indicator	: 1. Need & time based information 2. Applicability of the calendar 3. Reading frequency 4. Knowledge gain 5. Farmers feedback

Title of FLD-2 : Demonstration on “Kisan Mobile Advisory” for dissemination of agricultural technology

Season & Year	: Kharif + Rabi (2020-21)
Problem diagnosed	: Non availability of technical information in critical time
Thematic area	: Information Communication Technology
Target	: Farmers and farm women
Number of trials	: 100
Farmers Practices (T1)	: Existing agricultural extension system used by farmers own self
Demonstrated Tech. (T2)	: Kisan Mobile Advisory was sent to 100 farmers @ 2 messages /week.
Performance parameter:	1. Need & time based information 2. Understanding of the message 3. Applicability of the message 4. Farmer’s Response

Title of FLD-3: Demonstration of knowledge gain by farmers through extension literature

Season & Year	: Rabi (2020-21)
Problem diagnose	: Lack of technical knowledge gain among farmers
Thematic area	: Information Communication Technology
Target	: Farmers and farm women
Number of trials	: 50
Farmers Practices (T1)	: Existing agricultural technical knowledge & literature
Demons Tech. (T2)	: KVK literature supply like KVK News Letter, Folders, Leaflet & Bulletin etc. [No. of contact farmer = 50 (5x10)]
Characteristics of technology	: Printed information package given to farmers that could be used in critical time of needs.
Performance parameter	: 1. Need & time based information 2. Applicability and acceptability of the extension literature 3. Knowledge gain by farmer 4. Change in net income

Title of FLD-4: Demonstration of effectiveness of Farmers Field School (FFS) on Soybean production under KVK-ATMA convergence

Season & Year	: Kharif (2020-21)
Problem diagnose	: Farmers are not participating in Farmers field school
Thematic area	: KVK_ATMA convergence
Target	: Farmers and farm women
Number of trials	: 2 FFS group of 15 farmers each

Farmers Practices (T1) : Farmers not participated in Farmers field school

Demo Tech. (T2) : Farmers participated in Farmers field school
[2 FFS groups (2x15= 30 farmer)]

Characteristics of technology : Farmers learn in local situations, face to face conversation; practical based direct problem solving learning takes place.

Performance parameter :
1. Extend of adoption
2. Knowledge level
3. Change in skill
4. Change in Attitude
5. Feed back of FFS farmers

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Harda	Soybean , Wheat, Gram IPM,IPNM , Summer moong, Nutritional kitchen Garden	Field days	3		
		Farmers Training	9		
		Extension literature	5		
		Training for extension functionaries	4		

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	Harda	Maize	Sugar 75	Syzenta		
2	Harda	Marigold	Marigold F1	Sagar Seeds		

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Harda				

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Harda	

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Harda				

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F &FW	OFC	Crop Production	Weed Management	Integrated weed management in wheat crop	01	01								
F &FW	OFC	Crop Production	Weed Management	Integrated weed management in Rabi pulse	01	01								
F &FW	OFC	Crop Production	Weed Management	Integrated weed management in Kharif	01	01								
F &FW	OFC	Crop Production	Weed Management	Integrated weed management in kharif oilseed crops	01	01								
F &FW	OFC	Crop Production	Weed Management	Water management in Rabi Crops	01	01								
F &FW	OFC	Crop Production	Resource Conservation Technologies	Resource conservation Technology during cultivation of summer Moongbean	01	01								
F &FW	OFC	Crop Production	Integrated Crop Management	Integrated Crop Management for increasing crop production during Kharif season	01	01								
F &FW	OFC	Crop Production	Soil & water conservation	Water management in field crops during Kharif season	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F &FW	OFC	Crop Production	Integrated nutrient Management	Integrated nutrient Management in Kharif season crops	01	01								
F &FW	OFC	HOF	Management of young plants/orchards	Planting methods and management of orchards of mango, guava & banana fruits	01	01								
F &FW	OFC	HOF	mulching	Intercropping of plastic & vegetables mulch in Vegetable & fruits crops	01	01								
F &FW	OFC	HOV	nursery management	Nursery raising techniques and its management practices for major vegetable crops targeting to migrant workers	01	01								
F &FW	OFC	HOV	micro irrigation	Importance and suitability of micro irrigation system in vegetable production	01	01								
F &FW	OFC	HOV	sowing methods	Raised bed planting and ridge and furrow sowing techniques in major vegetable crops like tomato , Brinjal and chilli	01	01								
F &FW	OFC	HOV	weed control	Weed management practices in Onion and Garlic	01	01								
F &FW	OFC	HOS	Spice crops	Improved cultivation techniques of spice like onion and garlic	01	01								
F &FW	OFC	HOV	climate resilience	Effect and solutions of changing climatic patterns on vegetable production	01	01								
F &FW	OFC	Soil Health and Fertility Management	Others (Soil Testing)	Soil Sample Technique	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F &FW	OFC	Soil Health and Fertility Management	Organic Farming	Role of waste decomposer in agricultural waste management	01	01								
F &FW	OFC	Soil Health and Fertility Management	Integrated Nutrient management	Integrated Nutrient Management in Hybrid Maize	01	01								
F &FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Balanced fertilizer management in Soybean & Urd	01	01								
F &FW	OFC	Soil Health and Fertility Management	Use of organic inputs (Bio-Fertilizer)	Importance of Bio-fertilizer in Kharif crops production	01	01								
F &FW	OFC	Soil Health and Fertility Management	Use of organic inputs (Bio-Fertilizer)	Importance of bio-fertilizer in Vegetable crops Production	01	01								
F &FW	OFC	Soil Health and Fertility Management	Micronutrient deficiency in crops	Role of Micronutrients in oilseed and pulse crops	01	01								
F &FW	OFC	Soil Health and Fertility Management	Others (Green manuring)	Importance of green manuring for improving soil fertility	01	01								
F &FW	OFC	Soil Health and Fertility Management	Production and use of organic inputs	Role of Vermi-composting in crop production	01	01								
F &FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Importance of balance fertilizer application in Onion & Garlic Production	01	01								
F &FW	OFC	Soil Health and Fertility Management	Micronutrient deficiency in crops	Role of Zinc and Molybdenum Micronutrients in crop production of Chickpea	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F &FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Role of balance fertilizer application in irrigated Wheat	01	01								
FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nutritional security through nutritional kitchen garden	01	01								
FW	OFC	Home Science/Women empowerment	Women empowerment	Mushroom production	01	01								
FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques	Value addition of locally available food materials	01	01								
FW	OFC	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Supplementary nutrition for adolescent girls	01	01								
FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques	Safe storage of food grains	01	01								
FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nutritional Security through Nutritional Kitchen Garden	01	01								
FW	OFC	Home	Household	Nutritional Security through	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Science/Women empowerment	food security by kitchen gardening and nutrition gardening	Nutritional Kitchen Garden										
FW	OFC	Home Science/Women empowerment	Design and development of low/ minimum cost diet	Low cost balance diet for family through locally available food material	01	01								
FW	OFC	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Use of sprouted pulses in preparation of low cost Nutritious diet	01	01								
FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques	Safe storage of Grain	01	01								
FW	OFC	Home Science/Women empowerment	Women empowerment	Role of SHG in empowerment of Rural Women	01	01								
FW	OFC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Importance of women friendly drudgery reduction tools for farm women	01	01								
FW	OFC	Home Science/Women empowerment	Women and child care	Supplementary nutrition for Adolescence girl	01	01								
FW	OFC	Home	Processing &	method of water purification at	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Science/Women empowerment	cooking	household level										
		Home Science/Women empowerment	Processing & cooking	Importance of Health & Hygiene	01	01								
F &FW	OFC	Plant Protection	Integrated Disease Management	Integrated disease management of soil borne disease in soybean	01	01								
F &FW	OFC	Plant Protection	Integrated Disease Management	Integrated disease management in crop	01	01								
F &FW	OFC	Plant Protection	Biocontrol of pests and diseases	Importance of panchgavya in terms of plant protection in kharif crops	01	01								
F &FW	OFC	Plant Protection	Production of bio control agents and bio pesticides	Role of bio pesticides in crop pest management	01	01								
F &FW	OFC	Plant Protection	Integrated Pest Management	Seed and Soil treatments for management of fall armyworm in Maize crop	01	01								
F &FW	OFC	Plant Protection	Integrated Pest Management	Pesticide Application Techniques and Safety Measures	01	01								
F &FW	OFC	Plant Protection	Integrated Pest Management	Management of stored grain pest and Rat in Storage.	01	01								
F &FW	OFC	Plant Protection	Integrated Disease Management	IDM module against Yellow Mosaic disease in Summer Green Gram	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F &FW	OFC	Plant Protection	Integrated Pest Management	Integrated Pest Management in major vegetable crops	01	01								
F &FW	OFC	Plant Protection	Integrated Disease Management	Role of <i>Trichoderma</i> spp in crop production	01	01								
F &FW	OFC	Plant Protection	Bio-pest Management	Role bio-pesticides in crop pest management	01	01								
F &FW	OFC	Plant Protection	Integrated Pest Management	Management of insects and pests through biological agents in Kharif crops	01	01								
F &FW	OFC	Plant Protection	Integrated Disease Management	Use of biopesticide in major vegetable crops	01	01								
F &FW	OFC	Capacity Building and Group Dynamics	Water conservation	Importance of water pond at villages level in agriculture	01	01								
F &FW	OFC	Capacity Building and Group Dynamics	High value crops promotion	Importance of crop planning and suitable high value crops for good income generation	01	01								
F &FW	OFC	Capacity Building and Group Dynamics	Seed society	Importance of opening of seed societies for quality seed supply	01	01								
F &FW	OFC	Capacity Building and Group Dynamics	Extension literature	Importance of technical extension literature of KVK for farmers	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F &FW	OFC	Capacity Building and Group Dynamics	ICTs	Importance of digital ICTs among farming community like mobile app, online interaction/meet apps/platforms and other links etc	01	01								
F &FW	OFC	Capacity Building and Group Dynamics	Agril information sources	Different agricultural information sources for farmers and methods of their use	01	01								
F &FW	OFC	Capacity Building and Group Dynamics	Innovative tools & Techniques	Recent agricultural innovations for simplify the agricultural operations	01	01								
F &FW	OFC	Capacity Building and Group Dynamics	Multiple cropping	Multiple cropping pattern to minimize crop risks	01	01								
F &FW	OFC	Capacity Building and Group Dynamics	Visual media	Importance of visual based media in agricultural technology dissemination	01	01								
F &FW	OFC	Capacity Building and Group Dynamics	sustainable agriculture	Technical dimensions for sustainable and natural agriculture	01	01								
F &FW	OFC	Capacity Building and Group Dynamics	Group Marketing	Group marketing approach to fetch high price of crop produce	01	01								
F &FW	OFC	Capacity Building and	Crop diversification	Adoption of crop diversification to minimize crop loss risks	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Group Dynamics												
F &FW	OFC	Capacity Building and Group Dynamics	Precision farming	Role of polyhouse in offseason supply of different produces for boosting the farmer's income	01	01								
F &FW	OFC	Capacity Building and Group Dynamics	Result demonstration	Role of result demonstrations to motivate the farmers for adoption of new technologies.	01	01								

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Name of KVK	Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Harda	RY	OFC	Seed production	Improved Seed production technology of pulses crops for income generation of Rural youth	01	05								
Harda	RY	OFC	Production of organic inputs	Organic Manure Production - A source of income generation of rural youth	01	05								
Harda	RY	OFC	Value addition	Value addition of seasonal local available fruits	01	02								
Harda	RY	OFC	Backstopping towards Micro-enterprise	Backstopping of rural youth/ migrant workers for starting new micro-enterprise for income generation	01	05								

Name of KVK	Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Harda	RY	OFC	Organic pest management	Production technique for organic products to manage pest and disease in different crops	01	05								
Harda	RY	OFC	mushroom production	mushroom production technology for income generation of migrant labour	01	05								

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
IS	OFC	Women and Child care	Fortified foods products for anganwadi going children	01	01								
IS	OFC	Low cost and nutrient efficient diet designing	Low cost balance diet for pregnant and lactating mothers	01	01								
IS	OFC	Household food security	House hold food security by kitchen garden	01	01								
IS	OFC	PRA techniques	Methods of Participatory Rural Appraisal and its execution by extension personnel	01	01								
IS	OFC	Integrated Pest Management	IPM in Kharif crops	01	01								
IS	OFC	Integrated Pest Management	IPM in Rabi crops	01	01								
IS	OFC	Others (Soil Testing)	Role of Soil testing in Nutrient	01	01								

Category (IS)	Training Type (ONC/ OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
			management										
IS	OFC	Use of organic inputs (Bio-Fertilizer)	Role of bio-fertilizer in crops Production	01	01								
IS	OFC	Others(Pl. Specify)	Resource conservation technologies for moisture conservation	01	01								

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Income generation activities	Others	Making of clay pot water filter for income generation of rural youth	Enterprise/ clay pot	Income generation	01	5								
Income generation activities	Others	Making of decorative necklace for income generation of rural youth	Enterprise	Income generation	01	5								
Income generation activities	Others	Making of hand sanitizer for income generation of rural youth	Enterprise	Income generation	01	5								
Income generation activities	Others	Vermi-composting :- A source of income generation of rural youth	Vermi-composting	Organic Farming	01	5								
Agricultural	CBD	Awareness and establishment of	Agri-based	Lack of	01	5								

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Extension		agri-based small and micro-enterprises for income generation and livelihood security of migrant labourers & rural poor	Micro-enterprises migrant labourers & rural poor	income opportunities for rural poor & migrant workers										
Soil Science	Soil Testing	Soil testing with mini kit (mini Lab) for income generation as agri-business	Soil testing with mini kit	Self employment through Soil testing kit	01	5								
Horticulture	HOV	Nursery raising techniques and management practices	Nursery Management	Nursery raining for income generation	01	5								
Plant Protection	beekeeping	Apiculture:- a source of income generation for migrant labourers & rural poor	Apiculture	Self employment through apiculture	01	05								

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Titl e	Thematic area	Sub-theme	Training Title	Durati on (days)	No. of cours es	No. of Participants								Sponsor ing Agency	Fund receiv ed for traini ng (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
		As per need of sponsoring agency	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Harda	Mushroom production	-	-	-	-

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
As per need of sponsoring agency	-	-	-	-	-	-	-	-	-		-	-	-	-	-

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during April-March-2020-21

Area of Training	April2020 -March 2021	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening		
Design and development of low/minimum cost diet		
Designing and development for high nutrient efficiency diet		
Minimization of nutrient loss in processing		
Processing and cooking		
Gender mainstreaming through SHGs		
Storage loss minimization techniques		
Value addition		
Women empowerment		
Location specific drudgery reduction technologies		
Rural Crafts		
Women and child care		
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture		

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during April-March-2020-21

Area of Training	April 2020 - March 2021	
	Courses	Participants
Crop Production		
Horticulture		
Soil Health and Fertility Management		
Livestock Production and Management		
Agril. Engineering		
Plant Protection		
Fisheries		
Production of Input at site		
Capacity Building and Group Dynamics		
Agro forestry		

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
-	-	-	-	-	-	-	-	-	-	-

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic													

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Animal Health Camp	01												
Awareness programme	05												
Celebration of important days	05												
Diagnostic visits	Need based												
Exhibition	02												
Exposure visits	Need based												
Ex-trainees Sammelan	03												
Farm advisory Services	Need based												
Farmers visit to KVK	Need based												
Field Day	05												
Group meetings	04												
Kisan Ghosthi/Sammelan	06												
Kisan Mela	01												
Krishi Mahotsav	-												
Lectures delivered as resource persons	Need based												
Mahila Mandals conveners meetings	02												
Method Demonstrations	04												
Pradhanmantri phasal beema yojana	-												
Scientific visit to farmers field	Need based												
Self Help Group conveners meetings	0 2												
Soil health Camp	01												
Soil test campaigns	01												
Technology Week	01												
Radio talks	Need based												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Extension literature	07												
TV talks	Need based												
Newspaper coverage	Need based												
Film Show	19												
Others (KMA)	48												

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	Need based			
TV talks	Need based			
Newspaper coverage	Need based			
Internet (Youtube)	03			
Social media (Whats App, Facebook, Instagram, Twitter etc.)	07			

7. Literature Developed/Published

7.1 KVK Newsletters (April-March-2020-21)

Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
April to June 2020	Q1	500		
July to September 2020	Q2	500		
October to December 2020	Q3	500		
January to March 2021	Q4	500		

7.2 Literature developed/published

KVK Name	Type	Number of copies
Harda	Abstract	
Harda	Book	
Harda	Book Chapter	
Harda	Booklet	
Harda	Leaflets/ Folder/ Pamphlet	
Harda	Popular article	
Harda	Technical Bulletin	
Harda	Training Manual	
Harda	Technical Report	
Harda	Year Planner	
Harda	Others (pl. specify)	

Research paper /Review paper published during April-March-2020-21

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
Harda					

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Harda	Malted food		
Harda	Nutritional kitchen garden		

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Harda	Oilseed	Soybean					
Harda	Pulses	Chickpea					

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Harda	Vegetable Seedlings	Tomato, chilli , cauliflower, brinjal, onion etc	Hybrid				

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost					
	Azolla					
	Earthworms					
	Compost					
	Blue green algae					
	NADEP					
	Sanjeevani Khad					
	Acetobacter					
	Aspergillus					
	Azotobacter					
	Azospirillum					
	Phosphate solubilizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					
Bio-Food	Spirulina					
	Honey					
	Any Other (pl. sp.)					
Bio Pesticides	Neem extract					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Neem powder					
	Tobacco extract					
	Trichoderma viride					
	Trichoderma harjinum					
	Trichogramma chilonis					
	Beauveria bassiana					
	Metarhizium anisopliae					
	Pseudomonas fluorescens					
	SINPV					
	HaNPV					
	GF1					
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea					
	Tricho card					
	Any other (Pl. Specify)					
Bio Agents (Pyrilla parasitoids)	Ooencyrtus papilionis					
	Epiricania melanolauca					
Bio Agents(Worms)	Assinia foetida					
	Eudrilus eugeniae					
	Euclnia Uginae					
	Eisenia foetida					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Earth worm					
	Any other (pl. specify)					
Others	Mushroom spawn					
	Mineral Mixture					
	Cow dung (dry)					
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow						
	Calves						
	Goats						
	Buffaloes						
	Sheep						
	Breeding bull						
	Other (pl specify)						
Poultry	Poultry						
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
	Other						
Piggery	Piglets						
	Boar						

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Fisheries	Sow						
	Other (pl specify)						
	Indian carp						
	Exotic carp						
	Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during April 2020- March 2021:

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
	Sanctioned	Procured	Collect ed by KVKs	Provid ed by Dept./ DDA	by KVKs		By Departm ent	By KVK		By Departm ent			Throu gh Mini Soil Testin g kit	Throu gh Soil testing laborat ory
					Mini Soil Testi ng kit	Soil testing laborat ory		Mini Soil Testi ng kit	Soil testing laborat ory					
No	02	02	1000	-	-	-	-	-	-	-	-	-	-	-

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Harda	-	-	-	-	-

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								Total
				SC		ST		Other		General		
				Male	Female	Male	Female	Male	Female	Male	Female	
-	-	-	-	-	-	-	-	-	-	-	-	-

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Harda	-	-	-	-	-

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
-	-	-	-	-	-	-	-	-	-	-	-	-

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Harda	Under construction					

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Harda	Under construction				

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Harda	-	-	-

15. Footfall of farmers in KVKs (April-March-2020-21)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Harda				

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology					
		Integrated Farming					
		Field Preparation					
		Any Other (Specify)					
2	Weather	Advisory					
		Change in variety					
		Change in Sowing technique					
		Climate forecast					
		Any Other (Specify)					
3	Soil Management	Soil Testing					
		INM					
		Fertilizer Application					
		Vermicomposting/ bio-waste recycling					
		Bio-fertilizer					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Any Other (Specify)					
4	Disease & Pest Management	Disease Management					
		Pest Management					
		Preventive Advisory Disease Management					
		Preventive Advisory Pest Management					
		Bio-pesticides					
		Any Other (Specify)					
5	Nutrition Security & Women Empowerment	Nutrition Awareness					
		Kitchen garden					
		Value Addition and Processing					
		Drudgery Reduction					
		Entrepreneurship & Income Generation					
		Advisory					
		Any Other (Specify)					
6	Horticulture	Vegetable					
		Fruit					
		Hi Tech Horticulture					
		Any Other (Specify)					
7	Livestock	Feed and Fodder					
		Dairy Management					
		Fisheries					
		Poultry Management					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Vaccination & Disease management					
		Any Other(Specify)					
8	Farm Mechanization						
9	Extension						
10	Organic Farming						
11	Marketing						
12	Awareness						
13	Other Enterprise						
14	Any Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Harda	ATMA	State Sponsored	-			
Harda	NFSM	Centrally Sponsored	-			
Harda	MAPWA	State Sponsored	-			

18. Status of Contingency Utilization April-March-2020-21

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Harda		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01.01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Harda	10787424747			

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/ National)	Awarding Organizations	Amount received
Harda					

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)			Name of crop	Name (s) of variety	Name of best variety of concerned crop
2500 sq. meter	CEREALS	MAIZE (5)	Sugar 75, Nath samrath 1144, JM 216, JM 218, Ganga 4,			
	PULSES	GREEN GRAM (6)	TJM-3, Ganga-8, HUM-12, HUM-16, PDM-139, MH 421			
		PIGEON-PEA (2)	Hybrid (Daftari) , TJT-501, ASHA			
	OILSEED	SOYBEAN (8)	JS-335, JS-93-05, JS-97-52, JS-95-60, RVS 2001-4, NRC 86, JS 2034,JS2098,			

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)			Name of crop	Name (s) of variety	Name of best variety of concerned crop
	CEREALS	WHEAT (15)	HI 8498, HI 1544, HI 1531, HI 8663, HI 8627, HI- 1500, HI 1418, HD 4672, HD 2932, MP 1215, MP 1201, MP- 1202, MP 1203, GW 322, HI-8713			
	PULSES	CHICKPEA (09)	JG-12, JG-14, JG-130, JG-16, JG-218, JAKI-9218 ,RVG201,RVG 203,JG63			

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
	Harda	-	-	-	-

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Harda	-	-

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Harda	3	572	-	-	-	-

Intensive- OFTS, FLDS etc ; **Extensive-** Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*
Not applicable	-	-	-	-	-	-

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Harda	Harda				
Harda	Betul				

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Harda						

28. Status of KVK Website during January-December-2020

S.No.	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
1	Harda	2016	kvk.icar.gov.in	-	-
2	Harda	2014	jnkvv.org/JNKVV_EXTENSION/EXTENSION_KVK_Profile.aspx	-	-
3	Harda	2014	kvkhardajnkvv.nic.in	-	-

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Harda	2020-21			

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
1	Harda			

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
1	Harda			

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Harda	-			
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Harda		

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Harda	-	-	-	-

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Harda	-	-

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Harda	-	-	-	-	-

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Harda	-	-

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
Harda	-	-	-	-

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Harda	Gosthies	-		
Harda	Lectures organized	2	50	
Harda	Exhibition	-		
Harda	Film show	7	150	
Harda	Fair	-		
Harda	Farm/ Field Visit	Need based		
Harda	Diagnostic Practical's	Need based		
Harda	Distribution of Literature (No.)	7	150	
Harda	Distribution of Seed (q)	-		
Harda	Distribution of Planting materials (No.) seedling	50000	50	
Harda	Bio Product distribution (Kg)	-		
Harda	Distribution of Bio Fertilizers (q)	-		
Harda	Distribution of fingerlings			
Harda	Distribution of Livestock specimen (No.)	-		
Harda	Total number of farmers visited the technology week	-		
Harda	Animal health camp	-		
Harda	Awareness programme	3		
Harda	Demonstration	2		
Harda	Exposure visit	-		
Harda	Ex-trainees Meet	3	75	
Harda	Farmer scientist interaction	3	75	
Harda	Farmers Training	5	125	
Harda	Gajarghans Unmulan Pakhwada	1		
Harda	Group Meeting	1		
Harda	Jai Kisan Jai Vigyan Sangoshthi	2		
Harda	Plant Protection Week	1		
Harda	Seed treatment campaign	1		

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Harda	Self Help Group convener meet	1		
Harda	Soil health Camp	1		
Harda	Swachha Bharat Abhiyan	3		
Harda	Others (Pl. Specify)	-		

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Harda	As per need			

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components (Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants
Harda	-	-	-

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Harda	-	-	-

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Harda	-	-	-	-

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Harda	-	200000	-	-
Harda	-	-	-	-
Saplings				
Harda	-	100	-	-
Harda	-	-	-	-

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers
Harda	-	-	-	-

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Harda	-	-	-	-

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers
Harda	-	-	-	-

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Harda	-	-	-	-	-

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Harda	-	-	-	-	-	-	-	-	-	-	-	-

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village
Harda	Covered by KVK Betul due to Village selected by Sansad in of Betul district	

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	Harda
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
	Harda		

9. KVK, Jabalpur

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	29	120+ 510(respondents)			
FLDs – Oilseeds (activity in ha)	20	50			
FLDs – Pulses (activity in ha)	64	160			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	15.5	35			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	11	330			
Training-Farmers and farm women	97	1940			
Training-Rural youths	12	240			
Training- Extension functionaries	6	120			
Extension Activities	283	5380			
Seed Production (Number of activity as seeds in quintal)	1400	7000			
Planting material ((Number of activity as quantity of planting material in quintal)	45000	2500			
Seedling Production (Number of activity as number of seedlings in numbers)	-	-			
Sapling Production (Number of activity as number of sapling in numbers)	-	-			
Other Bio- products (No. of quantity)	-	-			
Live stock products	-	-			
Activities of Soil and Water Testing Laboratory	1200	1200			
Rainwater Harvesting System	1	20			
Kisan Mobile Advisory (KVK-KMA)	50	82000			
SAC Meeting (Date & no. of core/ official members)	2	120			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Literature to be Developed/Published	56	Mass			
Convergence programmes / Sponsored programmes	5	100			
Utilization of Farmers Hostel	-	-			
Utilization of Staff Quarters	-	-			
Details of KVK Agro-technological Park	01	Mass			
Crop Cafeteria-	01	Kharif/ Rabi			
Farm Innovators- list of 10 farm innovators from the District	01	13			
Status of Revolving Funds	-	-			
Awards and Recognitions	-	-			
Case study / Success Story to be developed	03	Mass			
KVK Progressive Farmers interaction	3	90			
Outreach of KVK in the District (No. of blocks, no. of villages)	7	365			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	01	3			
Important visitors to KVK	-	-			
Status of KVK Website	60	2000			
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	2	300			
Interventions on Drought Mitigation	-	-			
Sansad Adarsh Gram	9	400			
Other Activities	-	-			

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Jabalpur	16	1	1	6	6	3	3	6	3	16	13

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Dr. Rashmi Shukla	Home Science	Ph.D	Home Science	37400-67000+9000	46400	9.3.07	Gen
SMS/ Scientist 1	Dr. D. K. Singh	Agril. Extension	Ph.D	Agril. Extension	15600-39100+6000	35500	24.1.07	Gen
SMS/ Scientist 2	Dr. A.K. Singh	Soil Science	Ph.D	Soil Science	15600-39100+6000	34550	27.1.07	Gen
SMS/ Scientist 3	Dr. Neelu Vishwakarma	Home Science	Ph.D	Home Science	15600-39100+6000	34570	24.1.07	OBC
SMS/ Scientist 4	Dr. Siddharth Nayak	Agronomy	Ph.D	Agronomy	15600-39100+6000	27390	10.10.11	Gen
SMS/ Scientist 5	Dr. Akshata Tomar	Horticulture	Ph.D	Horticulture	15600-39100+6000	21600	18.8.17	Gen
SMS/ Scientist 6	Dr. Pramod Gupta	Plant Protection	Ph.D	Plant Pathology	15600-39100+6000	29860	7.10.11	Gen
Programme Assistant	Shri N.K. Singhai	Agronomy	M.Sc	Agronomy	Level 12/13	80000	13.06.95	Gen
Farm Manager	Dr. Pramod Sharma	Veterinary science	M.V.Sc. & A.H.	Animal Nutrition	Level 10/9	54100	20.10.11	Gen
Computer Programmer	Smt. Gigi Annee Abraham	Computer application	MCA	Computer	Level 10/12	59100	20.03.08	Gen
Accountant / superintendent	Vacant	-	-	-	-	-	-	-
Stenographer	Vacant	-	-	-	-	-	-	-

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Driver	Shri Mohd. Shakeel Mansoori	-	M.A.	-	Level 4/13	27800	5.7.08	Gen
Driver	Shri Manoj Verma	-	8th	-	Level 4/13	27800	5.7.08	OBC
Supporting staff, if any	Smt. Guddi Bai	-	-	-	Level 2/16	25000	28.3.05	SC
Supporting staff, if any	Vacant	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No. of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Jabalpur	Kymore Plateau & Satpura Hills	07	528	2460714	82.7 %	596843	923863	2 ha

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Jabalpur	Tikariya	2018	Kundam	47	360	220
Jabalpur	Rampuri Kala	2018	Kundam	49	425	260
Jabalpur	Dooda	2018	Kundam	48	650	315
Jabalpur	Jamkhar	2019	Shahpura	55	350	198
Jabalpur	Dabra kala	2019	Kundam	45	450	200
Jabalpur	Sohawal	2019	Kundam	45	450	200
Jabalpur	Chhatarpur	2020	Panagar	18	350	115
Jabalpur	Sihoda	2017	Shahpura	35	1887	181
Jabalpur	Tiwarikheda	2017	Panagar	18	1065	180
Jabalpur	Kohla	2015	Shahpura	55	650	125
Jabalpur	Berkheda	2017	Kundam	49	425	260
Jabalpur	Hinotiakala	2017	Shahpura	46	800	350
Jabalpur	Budhua	2017	Sihora	40	425	125
Jabalpur	Khaga, Mau	2017	Sihora	42	550	160
Jabalpur	Dabu	2017	Sihora	45	475	180

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Jabalpur	Seed Production and replacement
Jabalpur	Crop diversification and intensification
Jabalpur	Integrated farming system
Jabalpur	Promotion of horticultural crops
Jabalpur	Post harvest technology and value addition
Jabalpur	Natural resources management and wasteland development
Jabalpur	Integrated pest & disease management
Jabalpur	Integrated nutrient management
Jabalpur	Organic farming
Jabalpur	Rural connecting and market development activities
Jabalpur	Farm Mechanization
Jabalpur	Women in Agriculture
Jabalpur	Integrated Crop Management
Jabalpur	Resource Conservation Technology for water management
Jabalpur	Livestock feed and disease management

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Jabalpur	* Unused fallow land * Attack of termite in wheat* Weed infestation in paddy, wheat & pea * Incidence of wilt & rot in gram* Yellow vein mosaic pulses & oilseeds* Nematode infestation in vegetables* Old variety & low quality seed used.	PRA, Survey, Farmer's meeting, Group discussions	Shahpura, Panagar, Kundam
Jabalpur	* Low yield in Soybean due to use of heavy seed rate * Attack of white fly & pod borer in soybean. * Pod borer & wilt in gram & lentil * Use of locally available seed and old variety. * YMV in soybean * Traditional method of plantation of paddy & soybean	PRA, Survey, Farmer's meeting, Group discussions	Sehora, Panagar and Shahpura
Jabalpur	* Infestation of termite in wheat * Improper use of land under plantation * Pod borer in gram * Wilt in lentil & gram * High seed rate of soybean and wheat. * Old variety used in oilseeds & pulses. * YMV in soybean * Old	PRA, Survey, Farmer's meeting, Group discussions	Shahpura, Panagar and Kundam

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	method of plantation of paddy & soybean		
Jabalpur	*Soil erosion * Low productive breed of animals & low quality fodder * Nematode, aphid & thrips incidence in vegetables * Imbalance use of fertilizer * Low yield due to use of long duration varieties in pea, Fallow in Rabi	PRA, Survey, Farmer's meeting, Group discussions	Shahpura, Kundam
Jabalpur	Fallow in Rabi, marginal land, poor productivity of crops, old varieties of minor millets, non-descript breeds of animals, low milk production	PRA, Survey, Farmer's meeting, Group discussions	Kundam, Panager, Sihora

2. On Farm Testing (OFT)

2.1 Information about OFT:

Title of on-farm trial: 1	Assessment of integrated nutrient management on seed and protein yield of transplanted pigeonpea under rainfed uplands in silty clay loam soil (2nd Year)
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Low seed and protein yield due to inadequate use of fertilizers and no use of manures
Thematic area:	Integrated Crop Management
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of NPK @ 14:35:0 Kg/ha in transplanted pigeonpea
T2 –Recommended Practice-	Transplanting of 30 days old nursery at 90 cm plant to plant spacing & 150 cm row to row spacing, nipping at 30 DAT + Application of vermicompost @ 5t/ha + N:P:K:S:Zn:B:Fe:Cu:Mn @ 20:50:20:20:5:1:10:0.4:2 kg/ha based on STV
T3- Recommended Practice-	-
Date of sowing:	Last week of June 2020

Date of harvesting:	1st fortnight of December 2020
Source of technology:	IGKVV 2017 (Somashekar T N - M.Sc. Ag. Thesis)
Characteristics of technology:	Balance nutrient management in transplanted pigeonpea raises crop production and protein yield
Name of Crop/Enterprises:	Pigeonpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	pods/ plant seeds/pod Nodules/plant Protein content Protein yield Seed yield	No. No. No. % kg/ha q/ha				
T2(Recommended Practice)	pods/ plant seeds/pod Nodules/plant Protein content Protein yield Seed yield	No. No. No. % kg/ha q/ha				
T3(Recommended Practice)						

Title of on-farm trial: 2	Assessment of bio waste decomposer for decomposition of wheat crop residues (2nd Year)
Year/Season:	Kharif 2020
Farming situation:	All situations
Problem diagnosis:	No use of bio decomposer, pollution while burning crop residue and soil health deterioration

Thematic area:	Resource conservation Technology
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/refinement:	
T1 – Farmers Practice-	No use of decomposer for wheat crop residue decomposition
T2 –Recommended Practice-	Crop residue straw making through straw reaper
T3- Recommended Practice-	Decomposition of crop residue through <i>Bacterial & Fungal base bio waste</i> decomposer @ 500 ml for one tonne raw material
Date of sowing:	II nd fortnight of June 2020
Date of harvesting:	-
Source of technology:	JNKVV, 2017
Characteristics of technology:	Bio decomposer consortium decomposes the crop residue and increases the microbial biomass and soil fertility
Name of Crop/Enterprises:	Crop residue of wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Duration of decomposition	Days				
	OC	%				
	Nutrient content (N, P, K,	%				
	S, Zn, B, Fe, Cu, Mn	%				
	nutrient cost of	Rs.				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	decomposed compost additional cost in straw making	Rs.				
T2(Recommended Practice)	additional cost in straw making	Rs.				
T3(Recommended Practice)	Duration of decomposition OC Nutrient content (N, P, K, S, Zn, B, Fe, Cu, Mn nutrient cost of decomposed compost additional cost in straw making	Days % % % Rs. Rs.				

Title of on-farm trial: 3	Assessment of INM on fruit quality and yield of okra variety Kashi Kranti in medium black soil (IInd Year)
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield and poor fruit quality due to inadequate use of fertilizers and no use of manures
Thematic area:	Integrated crop management
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Application of NPK @ 54:46:0 and use of unsuitable variety Parbhani Kranti
T2 –Recommended Practice-	Application of 100% RDF @ 120:100:80 kg NPK/ha+ Biofertilizer (Azotobactor-5 kg/ha, PSB-

	5kg/ha, KSB-2.5 kg/ha) + vermicompost @ 2.5 t/ha
T3- Recommended Practice-	Application of 50% RDF @ 120:100:80 kg NPK/ha+ Biofertilizer (Azotobactor-5 kg/ha, PSB-5kg/ha, KSB-2.5 kg/ha) + vermicompost @ 2.5 t/ha
Date of sowing:	Last week of June to 1st week of July 2020
Date of harvesting:	Last week of Sept. to 1st week of October 2020
Source of technology:	BCKV, WB, 2009 (Tripathy and Maity, Crop Research, Hisar, 37(1/3): 101-106) IIVR, 2011
Characteristics of technology:	Resistant to YVMV and OLCV, average yield -125 q/ha
Name of Crop/Enterprises:	Okra
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Fruit weight Fruit yield	g q/ha				
T2(Recommended Practice)	Fruit weight Fruit yield	g q/ha				
T3(Recommended Practice)	Fruit weight Fruit yield	g q/ha				

Title of on-farm trial: 4	Assessment of nutrient management on yield and protein content of protein rich wheat variety JW 3211 under rice (Sahbhagi/MTU 1010)-wheat cropping system with limited irrigation in clay loam soil (IInd Year)
Year/Season:	Rabi, 2020-21
Farming situation:	Semi irrigated (Two irrigation)
Problem diagnosis:	Low yield and poor grain quality of wheat under rice-wheat cropping system with limited

	irrigation due to imbalance nutrient application
Thematic area:	Integrated Nutrient Management
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of NPK @ 22:35:0 kg/ha [75 kg DAP (18:46:0) , 25 kg urea /ha] in wheat variety JW 3211
T2 –Recommended Practice-	Use of NPK @ 40:20:10 kg/ha + Zn @ 5 kg/ha through inorganic sources
T3- Recommended Practice-	Use of FYM (5 t/ha) + Biofertilizers (Azotobactor & PSB @ 5 kg/ha) + 75 % NPK of 40:20:10 kg/ha + Zn @ 5 kg/ha
Date of sowing:	11th fortnight of October 2020
Date of harvesting:	11th fortnight of March 2021
Source of technology:	JNKVV, 2013 (Sharma et al. 2013, The Bioscan 8(4): 1159-1164)
Characteristics of technology:	Balance nutrient management maintains soil fertility, increases crop production, grain quality and save nutrients
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Tillers/plant Protein content Seed yield	No. % q/ha				
T2(Recommended Practice)	Tillers/plant Protein content	No. %				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	Seed yield	q/ha				
T3(Recommended Practice)	Tillers/plant Protein content Seed yield	No. % q/ha				

Title of on-farm trial: 5	Assessment of scented rice variety Improved Jeerashankar in rice-wheat cropping system (1st Year)
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield and less return due to use of old rice varieties IR 36/IR 64
Thematic area:	Varietal evaluation
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of old rice varieties IR 36/IR 64
T2 –Recommended Practice-	Improved Jeera Shankar
T3- Recommended Practice-	-
Date of sowing:	11th fortnight of June 2020
Date of harvesting:	Last week of October 2020
Source of technology:	JNKVV 2018
Characteristics of technology:	Aromatic short bold rice, maturity 135 days, Potential yield 32-35 q/ha
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Tillers/plant Panicle/plant Seed yield Net return	No. No. q/ha Rs/ha				
T2(Recommended Practice)	Tillers/plant Panicle/plant Seed yield Net return	No. No. q/ha Rs/ha				
T3(Recommended Practice)						

Title of on-farm trial: 6	Assessment of pigeon pea based intercropping system (Pigeonpea + Balckgram) under rain fed farming situation in pigeonpea-chickpea cropping sequence (3rd Year)
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Poor yield and low returns from pigeon pea due to adverse climatic conditions
Thematic area:	Crop diversification
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Sole crop of Pigeonpea
T2 –Recommended Practice-	Pigeonpea (TJT 501 / Rajeshwari) + Blackgram (IPU 2-43/Pratap Urad 1) (2:6)
T3- Recommended Practice-	-
Date of sowing:	1st fortnight of July 2020
Date of harvesting:	1st fortnight of December 2020
Source of technology:	JNKVV 2008

Characteristics of technology:	Minimizing risk due to adverse climate and ensuring higher returns
Name of Crop/Enterprises:	Pigeonpea+ Blackgram
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pigeon pea equivalent yield of intercrop Increase in yield Increase in net return	q/ha q/ha Rs/ha				
T2(Recommended Practice)	Pigeon pea equivalent yield of intercrop Increase in yield Increase in net return	q/ha q/ha Rs/ha				
T3(Recommended Practice)						

Title of on-farm trial: 7	Assessment of time of irrigation and nipping management (pre bud stage) in mustard for higher yield and economic returns under rice/blackgram-mustard cropping system (IIIrd Year)
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield of Lok-1/WH-147 under limited irrigation condition
Thematic area:	Integrated Crop Management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Two irrigation 25 DAS and 40-45 DAS in mustard
T2 –Recommended Practice-	Application of two irrigation (one each at pre-flowering 35-40 days and pod filling 65-75 days) and nipping at pre bud stage (30 DAS)
T3- Recommended Practice-	-
Date of sowing:	11nd fortnight of October 2020
Date of harvesting:	1st fortnight of March 2021
Source of technology:	MPUAT, Udaipur (2016)
Characteristics of technology:	Creating favorable soil moisture regime by timely scheduling of irrigation increases the availability of water and nutrients and nipping of mustard increases the number of branches and thus increases the productivity of Mustard by 25%.
Name of Crop/Enterprises:	Mustard
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Branches/plant Siliqua/plant Seeds per siliqua Seed Yield	No. No. No. q/ha				
T2(Recommended Practice)	Branches/plant Siliqua/plant Seeds per siliqua Seed Yield	No. No. No. q/ha				
T3(Recommended Practice)						

Title of on-farm trial: 8	Assessment of INM on yield and quality of tomato varieties Kashi Aman and Arka Rakshak under Cowpea-tomato-onion cropping system in clay loam soil (IInd Year)
Year/Season:	Late kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to use of unsuitable / inappropriate varieties, inadequate use of nutrients and no use of organic manures
Thematic area:	Integrated Crop Management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Cultivation of locally available hybrids on flat bed, imbalance application of fertilizers and no stacking
T2 –Recommended Practice-	Tomato variety Kashi Aman, 75% RDF (NPK @ 90:45:40 kg/ha on soil test basis + 25% FYM (30 t/ha) + Azospirillum @ 5 kg/ha, raised bed planting, plastic mulching and stacking
T3- Recommended Practice-	Tomato variety Arka Rakshak, 75% RDF (NPK @ 90:45:40 kg/ha on soil test basis + 25% FYM (30 t/ha) + Azospirillum @ 5 kg/ha, raised bed planting, plastic mulching and stacking
Date of sowing:	I st fortnight of August 2020
Date of harvesting:	II nd fortnight of October 2020
Source of technology:	BBAU, Lucknow, 2017(Meena et. al, Journal of Pharmacognosy and Phytochemistry 2017; 6(4): 1579-1583), IIVR, 2013, IIHR 2012
Characteristics of technology:	Kashi Aman: Fruits medium and firm, oval shape, resistant to Tomato LCV, Yield-550 q/ha; Arka Rakshak (Triple disease resistant tomato hybrid, tolerant to heat and draught, 15-20 days shelf life, Yield – 90 t/ha)
Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield Fruit wt. TSS Ascorbic acid Shelf life	q/ha g °Brix mg /100 mg days				
T2(Recommended Practice)	Yield Fruit wt. TSS Ascorbic acid Shelf life	q/ha g °Brix mg /100 mg days				
T3(Recommended Practice)	Yield Fruit wt. TSS Ascorbic acid Shelf life	q/ha g °Brix mg /100 mg days				

Title of on-farm trial: 9	Assessment of INM on yield, quality, soil fertility and storage life of <i>Rabi</i> onion variety Bhimashakti under Cowpea-tomato-onion cropping sequence in medium black soils (IInd Year)
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield and poor quality of onion during <i>rabi</i> season due to use of inappropriate variety and inadequate nutrient management practices
Thematic area:	Integrated Crop Management
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of inappropriate variety (N 53) and imbalance application of nutrients
T2 –Recommended Practice-	Onion variety Bhimashakti, 75% RDF (NPKS @ 110:40:60:40 kg/ha on soil test basis + FYM - 15 t/ha
T3- Recommended Practice-	Onion variety Bhimashakti, 100% RDF (NPKS @ 150:50:80:50 kg kg/ha on soil test basis + FYM - 20 t/ha
Date of sowing:	I st fortnight of December 2020
Date of harvesting:	II nd fortnight of April 2021
Source of technology:	DOGR, 2011
Characteristics of technology:	Red color, round, very good storage life, bulbs mature in 130 days after transplanting during late kharif and rabi season. It is tolerant to thrips. Yield – 42-45 t/ha
Name of Crop/Enterprises:	Onion
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Bulb weight Yield	g q/ha				
T2(Recommended Practice)	Bulb weight Yield	g q/ha				
T3(Recommended Practice)	Bulb weight Yield	g q/ha				

Title of on-farm trial: 10	Assessment of marigold variety for income generation during Rabi season (1st Year)
Year/Season:	Rabi 2020

Farming situation:	Irrigated
Problem diagnosis:	Poor income due to unavailability of additional cash crop
Thematic area:	Varietal evaluation
No of trials:	10
No. of farmers involved	
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Traditional crop
T2 –Recommended Practice-	Marigold variety Pusa Bahar
T3- Recommended Practice-	-
Date of sowing:	I st fortnight of September 2020
Date of harvesting:	II nd fortnight of November 2020
Source of technology:	IARI 2015
Characteristics of technology:	Plants are vigorous, flowers are compact, flattened and large in size. Yellow colour, average 50-60 flower per plant
Name of Crop/Enterprises:	Marigold
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha				
T2(Recommended Practice)	Yield	q/ha				
T3(Recommended Practice)	-	-				

Title of on-farm trial: 11	Assessment of use of essential micro-nutrient (Enzymes, yeast, vit. and trace minerals) in buffaloes
Year/Season:	2020
Farming situation:	-
Problem diagnosis:	Low production performance due to deficiency of essential micro-nutrient
Thematic area:	Animal Nutrition Management
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of essential micro-nutrient
T2 –Recommended Practice-	Essential micro-nutrient (Enzymes, yeast, vit. and trace minerals) in buffaloes (100 g/d)
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	NDRI, 2015
Characteristics of technology:	Stimulate appetite and enhance dry matter digestibility and fibre digestion in rumen, thereby increase the productivity of animals.
Name of Crop/Enterprises:	Buffaloes
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk					

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	yield(kg/d), Body weight(kg), Net return(Rs), Increase in income (Rs), B:C ratio					
T2(Recommended Practice)						
T3(Recommended Practice)						

Title of on-farm trial: 12	Assessment of Kadaknath birds in backyard poultry
Year/Season:	2020
Farming situation:	-
Problem diagnosis:	High mortality, Low egg production and body weight gain in local poultry bird
Thematic area:	Animal breed evaluation
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Desi Bird
T2 –Recommended Practice-	Kadaknath
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-

Source of technology:	NDVSU, 2016
Characteristics of technology:	Egg production- 110-115 eggs/year, average egg weight 45g, body weight (16-18 weeks) -900 - 1100g, well adapted to adverse climatic conditions
Name of Crop/Enterprises:	Poultry
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Mortality rate(%), egg Production (no./year), Body weight at 4 month (g), Increase in income (Rs), B:C ratio					
T2(Recommended Practice)						
T3(Recommended Practice)						

Title of on-farm trial: 13	Assessment of use of fodder Maize (African tall) for feeding of buffaloes
Year/Season:	2020
Farming situation:	Irrigated

Problem diagnosis:	Poor milk production in summer season due to unavailability of green fodder in summers
Thematic area:	Animal Feed / Fodder Management
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No green fodder
T2 –Recommended Practice-	Fodder Maize African tall
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	MPKV, Kolhapur
Characteristics of technology:	It has more dry matter %, crude protein content and more leaf area. The average plant height is 240-260 cm and provide 50-60 t/ha green fodder.
Name of Crop/Enterprises:	Buffaloes
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk yield(kg/d), Body weight(kg), Net					

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	return(Rs), Increase in income (Rs), B:C ratio					
T2(Recommended Practice)						
T3(Recommended Practice)						

2.2. Information about Extension OFT:

Title - 1	Study on performance of Farmers Producer Organization (FPO) regarding commodity based income generation activities (3rd Year)
Season & Year	2020
Problem identified	Lack of awareness about seed production technology and management of FPO members.
Thematic Area	Group approach
Objective	➤ To study the profile of the FPO and FPO members ➤ To study about the performance of commodity based income generation activities of FPO ➤ To study the involvement of migrant labors/farmers for production, processing, value addition & Marketing linkages of FPO
Farming situation	Irrigated
Name of Technology under study	Promotion of FPO to entrepreneurship development through seed production and enhance income of migrant labor/ small and marginal farmers
Farmers Practice	Unorganized farming
No. of replication (Farmers)	80 respondents

Results / findings

Performance indicators/ parameters	Unit/ details
➤ Profile of FPO • No. of Services available in the FPO • Working fields of the FPO • Involvement of migrant labour in FPO activities • Record keeping • Annual income from FPO ➤ Factors affecting the functioning of FPO ➤ Knowledge & Adoption level of FPO members ➤ Leadership ability of FPO members ➤ Credibility of FPO ➤ Decision making ability of FPO members ➤ Linkages developed with line departments ➤ Conflict management ➤ Capacity building of migrant labour ➤ Feed back	No of Services Seed production q/ha No. of migrant labour - Rs/Annum - Low, Medium & High Freq. & % Low, Medium & High Low, Medium & High No. Low, Medium & High No. of programme -

Title - 2	Assessment of Whatsapp messages used by farmers regarding Fall army worm in Maize (1 st Year)
Season & Year	2020
Problem identified	The major problems to the farmers is delayed and lack of audio visual based technical information delivery regarding fall army worm in maize
Thematic Area	CBD
Objective	➤ To study the profile of the whatsapp user maize groweres ➤ To study the contents of shared whatsapp messages regarding fall army worm in maize. ➤ To study the constraints faced by whatsapp user regarding fall army worm in maize
Farming situation	Irrigated
Name of Technology under study	Share the agricultural practices on fall army worm of maize production through whatsapp message like audio, video, text message & photographs etc
Farmers Practice	Individual user

No. of replication (Farmers)	60 Respondents

Results / findings

Performance indicators/ parameters	Unit/ details
➤ Profile of Whatsapp user ➤ Management practices of Maize crops ➤ Factors affecting the smooth functioning of whats app group ➤ Knowledge & Adoption level of whatsapp user regarding fall army worm in maize crops ➤ Attitude of whatsapp users regarding fall army worm in maize ➤ Decision making ability of whatsapp users regarding fall army worm in maize ➤ Constraints faced by whatsapp users regarding sent messages of fall army worm in maize crop ➤ Through pre tested questionnaire , interview schedule	No. Low, Medium & High No. & Percentage Low, Medium & High Favourable, Highly favourable & Un favourable Low, Medium & High Freq. Percentage & Rank

Title - 3	Assessment of Whatsapp messages used by farmers regarding False smut of Paddy (1st Year)
Season & Year	2020
Problem identified	The major problems to the farmers is delayed and lack of audio visual based technical information delivery regarding false smut of paddy crops
Thematic Area	CBD
Objective	➤ To study the profile of the whats app user paddy groweres ➤ To study the contents of shared whatsapp messages regarding false smut of paddy crop ➤ To study the constraints faced by whatsapp user regarding false smut of paddy crops
Farming situation	Irrigated
Name of Technology under study	Share the agricultural practices on false smut of paddy through whats app message through message, audio, video, photo etc
Farmers Practice	Individual user
No. of replication (Farmers)	80 Respondents

Results / findings

Performance indicators/ parameters	Unit/ details
➤ Profile of Whatsapp user ➤ Management practices of false smut of paddy crops ➤ Factors affecting the smooth functioning of whatsapp group ➤ Knowledge & Adoption level of whatsapp user regarding false smut of paddy ➤ Attitude of whatsapp users regarding false smut of paddy crop ➤ Decision making ability of whatsapp users regarding false smut of paddy crops ➤ Constraints of whatsapp messages regarding false smut of paddy	No. Low, Medium & High No. & Percentage Low, Medium & High Favourable, Highly favourable & Unfavourable Low, Medium & High Frequency, Percentage & Rank

Title - 4	Assessment of difference between soil health card user and non user for application of the fertilizer (3 rd Year)
Season & Year	2020
Problem identified	Lack of fertilizer application according to SHC recommendations
Thematic Area	CBD
Objective	➤ To find out the knowledge and adoption of the soil health card user and non user . ➤ To study the use of fertilizers as per recommendation of soil health card. ➤ Constraints faced by the soil health card user and non user in adoption of soil health card recommendation.
Farming situation	Irrigated
Name of Technology under study	Farmers are using & non using fertilizers according to SHC recommendations
Farmers Practice	Non using fertilizers according to SHC recommendations
No. of replication (Farmers)	70 Respondents

Results / findings

Performance indicators/ parameters	Unit/ details
➤ No. of SHCs distributed in the district. ➤ Profile of Soil Testing Lab available in district ➤ Profile of Soil health card user & Non user ➤ Knowledge of soil health card user & non user ➤ Adoption level of soil health card user & non user	No. No.& percentage No.& percentage Low, Medium & High Complete Adoption, Partial adoption & No adoption

Performance indicators/ parameters	Unit/ details
➤ Available resources of soil health card user & non user ➤ Problems faced by SHCs user ➤ Feedback of extension personnel	Freq. Percentage Freq. Percentage & Rank

Title - 5	To study the assessment of issue and strategy of Leasents farmers and lease Land owners (2 nd Year)
Season & Year	2020
Problem identified	Lack of knowledge and Guidance of Leasent farmers and land owners
Thematic Area	CBD
Objective	❖ To study the profile of leasent farmers and lease Land owners ❖ To assess the issue and strategy of leasents farmers regarding lease agreements . ❖ To develop capacity building of leasent farmers and migrant labours ❖ To study the constraints faced by the leasent farmers and lease land owners
Farming situation	Irrigated
Name of Technology under study	Capacity development of leasent farmers through training, demonstration, advisory towards crop production practices
Farmers Practice	Own land farmers
No. of replication (Farmers)	60 Respondents

Results / findings

Performance indicators/ parameters	Unit/ details
➤ Criteria of lease agreement ➤ No. of Agricultural Implements available on Own/ custom hiring basis ➤ Record keeping ➤ Annual income ➤ Problems faced on taking lease land ➤ Knowledge & Skill of the leasants holder and migrant labours ➤ Decision making of the leasents farmers ➤ Attitude of Leasents and Land owners ➤ Linkage with others	- No. & Percentage No. & Percentage Rs./ha Freq. Percentage & Rank Low, Medium, High Low, Medium, High Favourable, Highly favourable & Un favourable No.

Title -6	Assessment of Whatsapp messages used by farmers regarding Insect pest in Blackgram summer (1st Year)
Season & Year	2020
Problem identified	The major problems to the farmers is delayed and lack of audio visual based technical information delivery regarding Insect pest in Blackgram
Thematic Area	CBD
Objective	➤ To study the profile of the whatsapp user Blackgram growers ➤ To study the contents of shared whatsapp messages regarding Insect pest in Blackgram . ➤ To study the constraints faced by whatsapp user regarding Insect pest in Blackgram
Farming situation	Irrigated
Name of Technology under study	Share the agricultural practices on Insect pest in Blackgram production through whatsapp message like audio, video, text message & photographs etc
Farmers Practice	Individual user
No. of replication (Farmers)	50 Respondents

Results / findings

Performance indicators/ parameters	Unit/ details
➤ Profile of Whatsapp user ➤ Management practices of Maize crops ➤ Factors affecting the smooth functioning of whatsapp group ➤ Knowledge & Adoption level of whatsapp user Insect pest in Blackgram ➤ Attitude of whatsapp users regarding Insect pest in Blackgram ➤ Decision making ability of whatsapp users regarding Insect pest in Blackgram ➤ Constraints faced by whatsapp users regarding sent messages Insect pest in Blackgram ➤ Through pre tested questionnaire , interview schedule	No. Low, Medium & High No. & Percentage Low, Medium & High Favourable, Highly favourable &Un favourable Low, Medium & High Freq. Percentage & Rank

Title - 7	Assessment of Whats app messages used by farmers regarding Chickpea growers (1st Year)
Season & Year	2020
Problem identified	The major problems to the farmers is delayed and lack of audio visual based technical information delivery regarding Chickpea insect & pest
Thematic Area	CBD

Objective	➤ To study the profile of the whatsapp user Chickpea groweres ➤ To study the contents of shared whatsapp messages regarding Chickpea crop ➤ To study the constraints faced by whatsapp user regarding Chickpea crop
Farming situation	Irrigated
Name of Technology under study	Share the agricultural practices on Chickpea insect & pest through whatsapp message through message, audio, video, photo etc
Farmers Practice	Individual user
No. of replication (Farmers)	60 Respondents

Results / findings

Performance indicators/ parameters	Unit/ details
➤ Profile of Whatsapp user ➤ Management practices of Chickpea insect & pest crops ➤ Factors affecting the smooth functioning of whatsapp group ➤ Knowledge & Adoption level of whatsapp user regarding Chickpea insect & pest ➤ Attitude of whatsapp users regarding Chickpea insect & pest ➤ Decision making ability of whatsapp users regarding Chickpea insect & pest - Constraints of whatsapp messages regarding Chickpea insect & pest	No. Low, Medium & High No. & Percentage Low, Medium & High Favourable, Highly favourable & Un favourable Low, Medium & High Frequency, Percentage & Rank

Title - 8	Study the profile of Kisan Call Centre's (M.P.) working executives of IFFCO-KCC located Jabalpur . (1 st Year)
Season & Year	2020
Problem identified	To study the Kisan Call centre Executive working
Thematic Area	CBD
Objective	❖ To study the profile of Kisan Call Centre Executives ❖ To assess the issue and strategy of Kisan Call Centre Executives ❖ To develop capacity building Kisan Call Centre Executives ❖ To study the constraints faced by the Kisan Call Centre Executives
Farming situation	-
Name of Technology under study	Capacity development of by the Kisan Call Centre Executives
Farmers Practice	-

No. of replication (Farmers)	50 Respondents

Results / findings

Performance indicators/ parameters	Unit/ details
➤ Criteria of working ➤ Record keeping ➤ ANNUAL WORK ➤ Problems faced ➤ Knowledge & Skill ➤ Decision making to shift answers ➤ Attitude of Kisan Call Centre Executives ➤ Linkage with others depts.	About Shift No. & Percentage No. & Percentage No. & Percentage Freq. Percentage & Rank Low, Medium, High no. & Level Low, Medium, High Favourable, Highly favourable & Un favourable No.

2.3. Information about Home Science OFT:

Title of on-farm trial: 1	Assessment of products from bi-fortified protein rich wheat variety HI 8663 for school going children (5-7) under MDM programme
Year/Season:	Kharif 2020
Name of Block	Panager
Name of Nutri Smart Village	Tiwarikheda
Category (Children (0-5 Year)/Adolescent Girls/Women)	Children (5-7)
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	Underweight
Causes for malnutrition	Daily poor nutrient intake by school going children(5-7) under MDM programme
Title of Technical intervention/ OFT	Assessment on of bi-fortified protein rich wheat variety HI 8663 Food products for school going children(5-7) under MDM programme
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Nutritional Security
No of trials:	5
No. of farmers/farm women involved:	5
Name of Variety/Technology/Enterprises	Wheat variety HI 8663
Details of technology selected for assessment:	

T1 – Farmers Practice-	Low nutrient diet and poor daily meal intake in Local wheat variety Lok-1
T2 –Recommended Practice-	Durum wheat variety HI 8663 food products utilize as Partha ,Upma and poori for school going children(5-7) under MDM programme
Source of technology:	V.Vani,S.V. Sai Prasad,Divya Ambati el all Progressive Research8(2):195-199(2013)
Characteristics of technology:	Durum wheat variety HI8663 contain 11.7 %,protein ,6.5 ppm B-carotene and 47.0 ppm Iron /100gm ,utilize as Partha ,Upma and poori for school going children(5-7) under MDM programme
Name of Crop/Enterprises:	Wheat/ Nutritional Security
Farming situation:	Irrigated
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Title of on-farm trial: 2	Assessment of storage and processing methods for value addition of water chestnut
Year/Season:	Rabi2020-21
Name of Block	Panager
Name of Nutri Smart Village	TiwariKheda
Category (Children (0-5 Year)/Adolescent Girls/Women)	Women
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	-
Causes for malnutrition	Low Income
Title of Technical intervention/ OFT	Assessment of storage and processing methods for value addition of water chestnut
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Income generation
No of trials:	5
No. of farmers/farm women involved:	5
Name of Variety/Technology/Enterprises	Processing of water chestnut
Details of technology selected for assessment:	

T1 – Farmers Practice-	No processing of water chestnut
T2 –Recommended Practice-	Storage poly pack with 5% holes in refrigerator for 4°C water chestnut processing by making of flour
Source of technology:	RCM, Darbhanga ,Bihar
Characteristics of technology:	Income generation through water chestnut processing by making flour
Name of Crop/Enterprises:	Processing of water chestnut
Farming situation:	
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Title of on-farm trial: 3	Assessment of Acceptability of value added products from oyster mushroom
Year/Season:	Rabi 2020
Name of Block	Panager
Name of Nutri Smart Village	Tiwarikheda
Category (Children (0-5 Year)/Adolescent Girls/Women)	Children
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	Underweight
Causes for malnutrition	Low protein diet
Title of Technical intervention/ OFT	Assessment of Acceptability of value added products by oyster mushroom
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Value addition
No of trials:	5
No. of farmers/farm women involved:	5
Name of Variety/Technology/Enterprises	Value added products by oyster mushroom
Details of technology selected for assessment:	
T1 – Farmers Practice-	Poor use of mushroom
T2 –Recommended Practice-	value added products by oyster mushroom
Source of technology:	National Research Centre for Mushroom (ICAR)

	Solan,2008
Characteristics of technology:	Produced oyster mushroom dried in the solar-drier. Mushrooms has dried at a temperature of 45 °C for 2 days. Fast grinding to prepare quality mushroom powder
Name of Crop/Enterprises:	Mushroom powder
Farming situation:	Irrigation
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Title of on-farm trial: 4	Assessment of nutrition through micro greens of fresh and safe vegetables as salad in rainy season for pregnant women
Year/Season:	Kharif 2020
Name of Block	Sahpura
Name of Nutri Smart Village	Sihoda
Category (Children (0-5 Year)/Adolescent Girls/Women)	Women
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	Anaemic
Causes for malnutrition	Non availability of fresh and pesticide residue free vegetable
Title of Technical intervention/ OFT	Assessment of nutrition through micro greens of fresh and safe vegetables as salad in rainy season for pregnant women
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Nutritional security
No of trials:	5
No. of farmers/farm women involved:	5
Name of Variety/Technology/Enterprises	Micro greens
Details of technology selected for assessment:	
T1 – Farmers Practice-	Absence of leafy vegetables in rainy season
T2 –Recommended Practice-	Micro greens can easily be grown with and without soil organically in short period of span of 10-15 days in residential areas which may be used as salad(20gm/day) in rainy season

Source of technology:	NAU, 2018
Characteristics of technology:	Fresh flavors and concentrated bioactive compounds such as vitamins, minerals, antioxidants as compared to mature leafy greens.
Name of Crop/Enterprises:	Micro greens
Farming situation:	-
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Title of on-farm trial: 5	Assessment the effectiveness of Therapeutic Powder among malnourished children
Year/Season:	Kharif 2020
Name of Block	Sahpura
Name of Nutri Smart Village	Sihoda
Category (Children (0-5 Year)/Adolescent Girls/Women)	Children (3-5 Year)
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	Underweight
Causes for malnutrition	Nutrient deficiency
Title of Technical intervention/ OFT	Assessment the effectiveness of Therapeutic Powder among malnourished children
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Nutritional security
No of trials:	05
No. of farmers/farm women involved:	
Name of Variety/Technology/Enterprises	
Details of technology selected for assessment:	
T1 – Farmers Practice-	No consumption of any nutritious food in their daily diet
T2 –Recommended Practice-	Therapeutic powder recommended 20 gm/day
Source of technology:	NIN 2010
Characteristics of technology:	Powder consist roasted peanut powder, milk powder, sugar powder and til, which is high in protein ,calorie carbohydrate and iron

Name of Crop/Enterprises:	-
Farming situation:	--
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Title of on-farm trial: 6	Assessment of pro super bags /Save bags for safe storage of pulses
Year/Season:	Kharif 2020
Name of Block	Sahpura
Name of Nutri Smart Village	Sihoda
Category (Children (0-5 Year)/Adolescent Girls/Women)	Women
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	-
Causes for malnutrition	-
Title of Technical intervention/ OFT	Assessment of pro super bags /Save bags for safe storage of pulses
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Post harvest management
No of trials:	05
No. of farmers/farm women involved:	
Name of Variety/Technology/Enterprises	
Details of technology selected for assessment:	
T1 – Farmers Practice-	Use of Normal gunny bags for storage of grains
T2 –Recommended Practice-	Use of Pro super bag for storage of wheat and gram
Source of technology:	JNKVV Jabalpur
Characteristics of technology:	Capacity-50 kg/bag, Double layered air tight storage bags, Safe storage through pro-super bag
Name of Crop/Enterprises:	-
Farming situation:	--
Date of sowing:	-

Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Title of on-farm trial: 7	Assessment the acceptability and nutrition through puffed rice based weaning foods in 6-8 months children
Year/Season:	Rabi 2020
Name of Block	Sahpura
Name of Nutri Smart Village	Sihoda
Category (Children (0-5 Year)/Adolescent Girls/Women)	Children (6-8 months)
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	Underweight
Causes for malnutrition	Unhygienic and improper practices of weaning
Title of Technical intervention/ OFT	Assessment the acceptability and nutrition through puffed rice based weaning foods in 6-8 months children
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Value addition
No of trials:	05
No. of farmers/farm women involved:	
Name of Variety/Technology/Enterprises	
Details of technology selected for assessment:	
T1 – Farmers Practice-	Mother provides diluted and unhygienic foods for weaning that causes diarrhea in children
T2 –Recommended Practice-	Puffed rice with green gram flour and puffed chickpea flour.
Source of technology:	G. Sajilata ,Rekha S. Singhal ,and Pushpa R .Kulkarni Food and Nutrition Buletine,vol.23.no2,2002,TheUnited Nation University
Characteristics of technology:	Puffed rice act as appetizer food and easily digested in body. Puffed rice helps to repair the internal layers of intestines and prevent diarrhea. Powder prepared from puffed rice (70%) should be mixed with toasted green gram flour(20%) puffed chickpea flour (10%).The food should be cooked in milk or water with sugar before feeding

Name of Crop/Enterprises:	-
Farming situation:	-
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Title of on-farm trial: 8	Assessment of protein rich wheat variety- Pusa Tejas (HI 8759) to improve the malnutrition status of the family
Year/Season:	Rabi 2020
Name of Block	Sahpura
Name of Nutri Smart Village	Sihoda
Category (Children (0-5 Year)/Adolescent Girls/Women)	Children (0-5 Year)/Adolescent Girls/Women
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	Underweight
Causes for malnutrition	Inadequate nutrition
Title of Technical intervention/ OFT	Assessment of protein rich wheat variety- Pusa Tejas (HI 8759) to improve the malnutrition status of the family
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Nutritional Security
No of trials:	05
No. of farmers/farm women involved:	05
Name of Variety/Technology/Enterprises	Pusa Tejas (HI 8759)
Details of technology selected for assessment:	
T1 – Farmers Practice-	Low nutrient intake in local wheat variety Lok -1
T2 –Recommended Practice-	Use of variety Pusa Tejas (8759)
Source of technology:	IARI Indore 2016
Characteristics of technology:	Naturally Bio-fortified Healthy Food because of its high protein(12%) , iron(42.1ppm) and high level of micronutrients
Name of Crop/Enterprises:	-

Farming situation:	-
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farmer Situation (rainfed /irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
2020-21	Kharif	Integrated Crop Management	Cluster Demonstration on pigeonpea (full package)	Pulse	Pigeonpea	Rajeshwari	rainfed		10								25

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
2020-21	Kharif	Integrated Crop Management	Cluster Demonstration on Blackgram (full package)	Pulse	Blackgram	Pratap Urad 1	rainfed		10								25
2020-21	Rabi	Integrated Crop Management	Cluster Demonstration on Chickpea (full package)	Pulse	Chickpea	JG 12	irrigated		10								25
2020-21	Rabi	Integrated Crop Management	Cluster Demonstration on fieldpea (full package)	Pulse	fieldpea	VRP 5	irrigated		10								25
2020-21	Rabi	Integrated Crop Management	Cluster Demonstration on Linseed (full package)	Oilseed	Linseed	JLS 73	irrigated		10								25

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
2020-21	Rabi	Integrated Crop Management	Cluster Demonstration on Mustard (full package)	Oilseed	Mustard	RVM 2	irrigated		10								25
2020-21	Summer 2020	Integrated Crop Management	Cluster Demonstration on summer Greengram (full package)	Pulse	Greengram	IPM 410-3	irrigated		10								25
2020-21	Summer 2020	Integrated Crop Management	Cluster Demonstration on summer blackgram (full package)	Pulse	Blackgram	Pratap Urad 1	irrigated		10								25
2020	Kharif	Integrated Nutrient Management	Demonstration on impact of INM on rhizome yield and quality of Ginger in medium black soil (Use of FYM @ 10 tonne/ha + 50% RDF @ 75:50:50 kg NPK/ha, Planting of	Spice	Ginger	Suprabha/Baruasagar	Irrigated		2								5

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
			treated ginger clumps on raised bed (9 inch height and 18 inch wide, plant to plant distance 45 cm))														
2020	Kharif	Integrated Nutrient Management	Demonstration on INM in protein rich rice variety CR Dhan 310 under rice-wheat (HI 8663) cropping system in clay loam soil (Use of FYM + BGA @ 12 kg/ha + 75% NPK of 80:40:30 kg/ha + S:Zn:B:Fe:Cu:Mn @ 20:5:1:10:0.4:2 kg/ha in rice variety CR Dhan 310)	cereal	Rice	CR Dhan 310	Irrigated		2								5
2020-21	Rabi	Integrated Nutrient Management	Demonstration on integrated nutrient management and raised bed sowing in chickpea variety JG 14	Pulse	Chickpea	JG 14			2								5

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
		ement	under rice (Kranti) - chickpea cropping sequence in clay loam soil (Use of Ammonium molybdate @ 1g/kg for seed coating, Rhizobium & PSB @ 10 g/kg as seed inoculation and soil application @ 5 kg/ha each + application of 75% NPK of 20:60:20 kg/ha + S:Zn:B:Fe:Cu:Mn @ 20:5:1:10:0.4:2 kg/ha, sowing by raised bed planter)														
2020-21	Rabi	Integrated Nutrient Management	Demonstration on INM in bi-fortified protein rich wheat variety HI 8663 under rice (CR Dhan 310)-wheat cropping system in clay	cereal	Wheat	HI 8663			2								5

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farmin g Situatio n (rainfed /irrigat ed/sem i- irrigate d)	Com plet ed/ Ong oing	Cro p- Are a (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	S T	Ot her s	Gene ral	Total
			loam soil (Application of FYM + biofertilizers (Azotobactor & PSB @ 5 kg/ha) + 75% NPK of 100:60:40 kg/ha + Zn @ 5 kg/ha in bi-fortified <i>duram</i> dual purpose (nutritive chapatti and semolina, suitable for pasta) wheat variety HI 8663 (Poshan); Use of sulphosulfuron 75% WP (25 g a.i./ha) + metsulfuron methyl 5% WP (6 g a.i./ha) at 25-30 DAS)														
2020	Kharif	Integra ted Crop Manag ement	Demonstration on improved scented rice variety Pusa 1612 in rice – wheat cropping system (Use of improved scented rice	cereal	Rice	Pusa 1612			2								5

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farmin g Situatio n (rainfed /irrigat ed/sem i- irrigate d)	Comple ted/ Ong oing	Cro p- Are a (ha)	Results (q/ha)		% chan ge	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	S T	Ot her s	Gene ral	Total
			variety Pusa 1612 (Basmati type) suitable for irrigated and transplanted conditions, resistance to blast disease and 120 days to seed maturity, yield : 51.0 q/ha)														
2020	Kharif	Integra ted Weed Manag ement	Demonstration on use of post-emergence herbicide in blackgram (Application of post-emergence herbicide Imazethapyr @ 75g a.i./ha at 18 DAS in blackgram)	Pulse	Blackgra m	PU 30 /IPU 2- 43			2								5
2020	Kharif	Resour ce conserv ation technol ogy	Demonstration on Raised bed planting in turmeric	Spice	Turmeric	Rajendr a Sonali			0.5								05

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
2020 -21	Rabi	Integrated Weed Management	Demonstration on impact of INM in coriander (vermicompost-2.5 t/ha + use of 100% RDF (NPK @ 60:60:30 kg/ha based on STV), application of pre-emergence herbicide fluchlorolin 45 EC @ 1.5 kg a.i./ha (before sowing)	spice	Coriander	hybrid			1								10
2020	Kharif & Rabi	Information Communication Technology	Impact of KMA Messages regarding crop production practices during COVID 19 effect	Cereals, Pulses	Paddy, Wheat & chickpea	-	Irrigated	Ongoing	-	-	-	-	-	-	-	-	80
2020	Summer Kharif Rabi	Information Communication	Impact of Whats'app Messages regarding crop production practices	Cereals, Pulses	Greengram, Paddy, Chickpea	-	Rainfed	Ongoing	-	-	-	-	-	-	-	-	150

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
		on Technology															

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Tech nology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Tech nology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
2020	-	Animal Nutriti	Demonstra tion of use	Animal	Cattle	nutriti onally	-	Ongoin g	10								10

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Tech nology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
		on Management	of nutritionally balanced concentrate mixture prepared from locally available degraded grains in animal feed			balanced concentrate mixture											
2020	Rabi	Animal Feed / Fodder Management	Demonstration of green fodder (Berseem) for increasing milk production of Buffaloes	Buffaloes	Buffaloes	JB 1	Irrigated	Ongoing	10								10

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of use of nutritionally balanced concentrate mixture prepared from locally available degraded grains in animal feed	Cattle	Milk yield(kg/d), Body weight(kg), Net Return(Rs), Increase in income(Rs), B:C ratio										
Demonstration of green fodder (Berseem) for increasing milk production of Buffaloes	Buffaloes	Milk yield(kg/d), Body weight(kg), Net Return(Rs), Increase in income(Rs), B:C ratio										

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Enterprise - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	Nutritional Security	Nutritional Kitchen garden	Seasonal vegetables	Seasonal vegetables	250 sqm								20

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/ Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Rabi	Nutritional Security	Drumstick (Moringa oleifera) dry leaf powder as daily dietary supplement for anaemic adolescent	Drumstick (Moringa oleifera) dry leaf	Dry drumstick leaf powder @ 10g/day/head mean daily intake (MDI) (Fresh matured green leaves of drumstick picked in the morning, after cleaning and drying is powdered. 10 g of this powder is supplemented in daily diet for 3 months)	10								10
2020	Rabi	Income generation	Performance of Value added products (as Immunity booster) from drumstick (Moringa oleifera) dry leaf powder	Drumstick (Moringa oleifera)	Product developed by Moringa dry leaves powder, Tea bag, Capsule uses a nutritional supplement calcium , Vita C, minerals Excellent support for anti inflammatory mechanism, enrich aneamic blood and support immune system	10								10
2020	Kharif	Income generation	Income generation Self Help Group (Women) through value added products of linseed	Linseed	Value added products prepare by roasted seeds used in various food preparations. Linseed richest source of lenolenic (18:3) poly-unsaturated, fatty acid (35-60%), which has quick drying property	10								10

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/ Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	Income generation	Demonstration of nursery raising for livelihood security of Farm women	-	Nursery raising on raised bed	10								10
2020	Rabi	Nutritional security	Development of healthy multigrain biscuits from maize, oat and pearl millet.	Multigrain biscuits	Multigrain biscuits will formulate by blending refined wheat flour and multigrain flour (maize ,oat pearl millet) in 60:40 ratio .Incorporation of multigrain flour enhancing the nutritive value of the sweet biscuits.	10								10
2020	Rabi	Nutritional security	Pot /Container vegetables gardening for nutritional security of land less family	Vegetable gardening	Container/pot vegetables gardening could be utilized as a low cost nutritional health service for rural landless farmers	10								10

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI (((Weight (Kg))/ (Height(in m) * Height(in m))))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Jabalpur	Wheat, rice, Pigeonpea, blackgram, greengram, chickpea, fieldpea, linseed, mustard, vegetables	Field days	9	290	
		Farmers Training	9	300	
		Media coverage	5	Mass	
		Training for extension functionaries	3	60	

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
	Jabalpur					

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Jabalpur	F & FW	Survey method		

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F/FW	Online	Capacity Building and Group Dynamics	Leadership development	Create awareness about leadership development of FPO members	01	01								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F/FW	OFC	Capacity Building and Group Dynamics	Leadership development	Leadership development about leasant farmers regarding production, processing & marketing	01	01								
F/FW	Online	Capacity Building and Group Dynamics	Group dynamics	Create awareness about commodities base market linkages in FPO members	01	01								
F/FW	OFC	Capacity Building and Group Dynamics	Group dynamics	Create awareness about seed production technology of Wheat and Chickpea crop through FPOs	01	01								
F/FW	OFC	Capacity Building and Group Dynamics	Group dynamics	Create awareness about commodity based entrepreneurship development of migrant labours through FPOs	01	01								
F/FW	ONC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Create awareness about commodity based	01	01								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				entrepreneurship development of migrant labours through SHGs										
F/FW	Online	Capacity Building and Group Dynamics	Mobilization of social capital	Create awareness about entrepreneurship development of Migrant farm labourers	01	01								
F/FW	Online	Capacity Building and Group Dynamics	Mobilization of social capital	Create awareness about various Agricultural information through Social media for income generation of migrant labour	01	01								
F/FW	ONC	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/ youths	Entrepreneurship development of custom hiring centres through availability of farm equipments	01	01								
F/FW	ONC	Capacity Building and Group Dynamics	WTO and IPR issues	Awareness of the farmers regarding WTO and IPR issue	01	01								
F/FW	ONC	Capacity Building and Group Dynamics	Awareness programme	Awareness about mobile apps of	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				chickpea production technology										
F/FW	ONC	Capacity Building and Group Dynamics	Awareness programme	Awareness about water harvesting management	01	01								
F/FW	Online	Capacity Building and Group Dynamics	Awareness programme	Awareness of farmers regarding custom hiring centre and availability of farm equipments	01	01								
F/FW	Online	Capacity Building and Group Dynamics	Awareness programme	Dissemination of Agricultural technology regarding Fall army worm of maize through social media	01	01								
F/FW	ONC	Capacity Building and Group Dynamics	Awareness programme	Create awareness about use of fertilizers according to soil health card	01	01								
F/FW	OFC	Capacity Building and Group Dynamics	Awareness programme	Create awareness about false smut of paddy crop through Whatsapp	01	01								
F/FW	OFC	Capacity Building and Group Dynamics	Awareness programme	How to change the attitude of farmers	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				regarding soil health card recommendations										
F/FW	On Line	Capacity Building and Group Dynamics	Low cost crop technology	Low cost input technology of Summers crops	01	01								
F/FW	OFC	Capacity Building and Group Dynamics	Crop planning	Crop planning for Kharif crops during COVID-19	01	01								
F/FW	On Line	Capacity Building and Group Dynamics	ICT	Introduction about Online platform During COVID-19	01	01								
F/FW	On Line	Capacity Building and Group Dynamics	ICT	Precaution of COVID-19	01	01								
F/FW	On Line	Capacity Building and Group Dynamics	ICT	How to use Online platform for training	01	01								
F/FW	Online	Capacity Building and Group Dynamics	ICT	How to use information and communication technology for agriculture	02	01								
F/FW	Online	Capacity Building and Group Dynamics	Crop planning	Precaution during Insecticide spray during kharif (Covid-19)	01	01								
F/FW	Online	Capacity Building and Group Dynamics	Crop planning	Importance & Methods of Seed treatment during	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				kharif (Covid-19)										
F/FW	Online	Capacity Building and Group Dynamics	Crop planning	Crop planning for Rabi crops	01	01								
F/FW	Online	Capacity Building and Group Dynamics	Crop planning	Importance & Methods of Seed treatment during kharif (Covid-19)	01	01								
F/FW	Online	Capacity Building and Group Dynamics	Crop planning	Awareness about COVID-19 & its importance	01	01								
F/FW	On Line	Capacity Building and Group Dynamics	Group dynamics	Create awareness about Soil Sampling	01	01								
F/FW	On Line	Capacity Building and Group Dynamics	Group dynamics	Create awareness about how to use agri. equipments during COVID-19 in Summer, Kharif & Rabi	01	01								
F/FW	On Line	Capacity Building and Group Dynamics	Group dynamics	Dissemination of Agricultural technology regarding Insect pest of Blackgram	01	01								
F/FW	On Line	Capacity Building and Group Dynamics	Others (Pl. Specify)	Dissemination of Agricultural technology regarding Insect pest of Mungbean	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F/FW	On Line	Capacity Building and Group Dynamics	Others (Pl. Specify)	Awareness about mobile apps of Weed app technology of DWR	01	01								
F/FW	On Line	Capacity Building and Group Dynamics	Others (Pl. Specify)	Precaution during Insecticide spray during kharif (Covid-19)	01	01								
F/FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Seasonal kitchen gardening and nutrition gardening grow through using of vermin composting	01	01								
F/FW	OFC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Importance of vegetable and fruits in daily diet	01	01								
F/FW	OFC	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Preparation of high protein diet (multi grain)	01	01								
F/FW	Online	Home Science/Women empowerment	Minimization of nutrient loss in processing	Importance of food safety measures	01	01								
F/FW	Online	Home Science/Women empowerment	Processing & cooking	Value added products from	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				mushroom										
F/FW	Online	Home Science/Women empowerment	Gender mainstreaming through SHGs	Minimization of nutrient loss in processing	01	01								
F/FW	Online	Home Science/Women empowerment	Storage loss minimization techniques	Meals planning for school going children	01	01								
F/FW	Online	Home Science/Women empowerment	Value addition	Different methods of processing and value addition of Water chestnut	02	01								
F/FW	Online	Home Science/Women empowerment	Women empowerment	Design and development of low/minimum cost diet	01	01								
F/FW	Online	Home Science/Women empowerment	Rural Crafts	Income generation activity for empowerment of rural women	01	01								
F/FW	Online	Home Science/Women empowerment	Women and child care	Immunity development through balance diet of farm families	01	01								
F/FW	Online	Home Science/Women empowerment	Others (Pl. Specify) Health care	Personal hygiene practices	01	01								
F &FW	ONC	Crop Production	Weed Management	Weed and irrigation management in	1	1								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				wheat										
F &FW	ONC	Crop Production	Resource Conservation Technologies	Transplanted pigeonpea technique	1	1								
F &FW	ONC	Crop Production	Cropping Systems	Seed grading, packing and storage	1	1								
F &FW		Crop Production	Crop Diversification		1	1								
F &FW	OFC	Crop Production	Integrated Farming	Improved varieties of rabi oilseeds and production technique	1	1								
F &FW	OFC	Crop Production	Integrated Crop Management	Mustard Production technique	1	1								
F &FW	OFC	Crop Production	Seed production	Improved cultural practices in fieldpea and chickpea for seed production	1	1								
F &FW	ONC	Crop Production	Cropping Systems	Production technique of wheat and chickpea	1	1								
F &FW	OFC	Crop Production	Integrated Crop Management	Production technique of rabi crops in less input cost	1	1								
F &FW	OFC	Crop Production	Soil & water conservation	Moisture conservation and production of late	1	1								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				sown wheat										
F &FW	ONC	Crop Production	Integrated nutrient Management	Role of biofertilizers in INM and soil fertility	1	1								
F &FW	ONC	Crop Production	Production of organic inputs	BGA production	1	1								
F &FW	OFC	Soil Health and Fertility Management	Soil fertility management	Soil fertility management with respect to kharif pulses and cereals and pigeonpea production technology	01	01								
F &FW	OFC	Soil Health and Fertility Management	Soil fertility management	Agri-waste management	01	01								
F &FW	OFC	Soil Health and Fertility Management	Soil fertility management	Production and use of NADEP and vermicompost	01	01								
F &FW	OFC	Soil Health and Fertility Management	Soil fertility management	Use of biofertilizers in rabi crops and role in soil health management	01	01								
F &FW	OFC	Soil Health and Fertility Management	Soil fertility management	Use of biofertilizers in rabi pulses and oilseeds	01	01								
F &FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	Nutrient deficiency symptoms in rabi crops and its integrated	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				management										
F &FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	INM in summer moong and production technology	01	01								
F &FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	INM in mustard and lentil and production technology	02	02								
F &FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	INM in fieldpea and production technology	01	01								
F &FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	INM in major kharif pulses and blackgram production technique	01	01								
F &FW	OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Soil fertility and INM with respect to kharif cereals & pulses	01	01								
F &FW	OFC	Soil Health and Fertility Management	Integrated Nutrient Management	INM in major kharif crops	01	01								
F &FW	OFC	Soil Health and Fertility Management	Integrated Nutrient Management	INM in linseed and production technology	01	01								
F &FW	OFC	Soil Health and Fertility Management	Integrated Nutrient	INM in mustard, linseed and IPM	01	01								

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
			Management											
F &FW		Soil Health and Fertility Management	Management of Problematic soils											
F &FW	OFC	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Micronutrient deficiency symptoms in rabi crops and its management	01	01								
F &FW	ONC	Soil Health and Fertility Management	Nutrient Use Efficiency	Techniques for increasing NUE	01	01								
F &FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Balance fertilizer application in wheat under semi-irrigated and irrigated condition	01	01								
F &FW	OFC	Soil Health and Fertility Management	Soil & water testing	Ideal soil sampling and storage	02	02								
F &FW	OFC	Soil Health and Fertility Management	Organic Farming	Organic inputs and its use in organic farming	01	01								
F &FW	ONC	Horticulture (Vegetable Crops)	Protective cultivation	Cultivation of vegetable under protected condition	01	01								
F&FW	Online	Horticulture (Vegetable Crops)	Production Technology	Production technology of vegetables in kharif	01	01								
F&FW	ONC	Horticulture (Vegetable Crops)	Water conservation	Moisture conservation	01	01								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				through mulching system										
F&FW	OFC	Horticulture (Fruits)	Training and Pruning	Pruning and training techniques in guava	01	01								
F&FW	Online	Horticulture (Fruits)	Layout and Management of Orchards	Establishment of high density orchard	01	01								
F&FW	Online	Horticulture (Fruits)	Cultivation of Fruit	Production technology of mango and guava	01	01								
F&FW	Online	Horticulture (Fruits)	Intercropping	Intercropping in horticultural crops	01	01								
F&FW	Online	Horticulture (Ornamental Plants)	Production Technology	Production technology of marigold	01	01								
F & FW	ONC/OFC	Livestock Production and Management	Dairy Management	Care of animals in summer season	01	01								
F & FW	ONC/OFC	Livestock Production and Management	Dairy Management	Care of dairy animals during winter season	01	01								
F & FW	ONC/OFC	Livestock Production and Management	Dairy Management	Care Management of Farm Animals in Rainy Season	01	01								
F & FW	ONC/OFC	Livestock Production and Management	Dairy Management	Care of Newly born calves	01	01								
F & FW	ONC/OFC	Livestock Production and Management	Poultry Management	Breed of Poultry their nutrition method of feeding	01	01								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				and housing system of poultry										
F & FW	ONC/OFC	Livestock Production and Management	Poultry Management	Backyard Poultry farming	01	01								
F & FW	ONC/OFC	Livestock Production and Management	Animal Nutrition Management	Importance of feeding green fodder to the dairy animals	01	01								
F & FW	ONC/OFC	Livestock Production and Management	Disease Management	De-worming of buffalo calves	01	01								

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Nursery Management of Horticulture crops											
RY		Training and pruning of orchards											
RY		Protected cultivation of vegetable crops											
RY		Commercial fruit production											
RY		Integrated farming											
RY		Seed production											
RY		Production of organic inputs											
RY		Planting material production											
RY		Vermi culture	Vermiculture and vermicomposting	01	3								

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Mushroom Production											
RY		Bee keeping											
RY		Sericulture											
RY		Repair and maintenance of farm machinery and implements											
RY	OFC	Value addition	Processing and value addition of Water chestnut	01	01								
RY		Small scale processing											
RY		Post Harvest Technology											
RY		Tailoring and Stitching											
RY		Rural Crafts											
RY		Production of quality animal products											
RY		Dairying											
RY		Sheep and goat rearing											
RY		Quail farming											
RY		Piggery											
RY		Rabbit farming											
RY		Poultry production											
RY		Ornamental fisheries											
RY		Composite fish culture											
RY		Freshwater prawn culture											
RY		Shrimp farming											
RY		Pearl culture											
RY		Cold water fisheries											
RY		Fish harvest and processing technology											

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Fry and fingerling rearing											
RY		Others(Pl. Specify)											

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS	ONC	Productivity enhancement in field crops	In-service Training on Production Technology of Zaid & Kharif crop	01	03								
IS	ONC	Productivity enhancement in field crops	Production of kharif pulses, IPM and IDM	01	01								
IS	ONC	Integrated Nutrient management	Resource management for better crop production and soil health	01	01								
IS	ONC	Integrated Nutrient management	INM in rabi crops	01	01								
IS	Online	Women and Child care	Food design for immunity boosting	01	01								
IS	ONC	Nursery management	Nursery management of vegetables	01	01								

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Crop production and management	Commercial floriculture													
Crop production and management	Commercial fruit production													
Crop production and management	Commercial vegetable production													
Crop production and management	Integrated crop management													
Crop production and management	Organic farming													
Crop production and management	Others(Pl. Specify)													
Post harvest technology and value addition	Value addition													
Post harvest technology and value addition	Others(Pl. Specify)													
Livestock and fisheries	Dairy farming													
Livestock and fisheries	Composite fish culture													
Livestock and fisheries	Sheep and goat rearing													
Livestock and fisheries	Piggery													
Livestock and fisheries	Poultry farming													
Livestock and fisheries	Others(Pl. Specify)													
Income generation activities	Vermi-composting	Commercial Vermicompost production	Vermicompost	INM	01	05								
Income generation activities	Production of bio-agents, bio-pesticides,													

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Income generation activities	Bio-fertilizers etc.													
Income generation activities	Repair and maintenance of farm machinery & implements													
Income generation activities	Rural Crafts													
Income generation activities	Seed production													
Income generation activities	Sericulture													
Income generation activities	Mushroom cultivation													
Income generation activities	Nursery, grafting etc.	Vegetative propagation of fruit crops	Fruits	Nursery management	01	10								
Income generation activities	Tailoring, stitching, embroidery, dying etc.													
Income generation activities	Agril. para0workers, para0vet training													
Income generation activities	Food processing	Secondary processing of different crops (multi grain satttu, daliya, flour, etc)	Grains & Pulses	Income generation	01	10								
Income generation activities	Value addition	Value added products from seasonal fruits and vegetables	Fruit & Vegetables	Income generation	01	10								
Agricultural Extension	Capacity building and	Skill based	Crop	Leasent	01	10								

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
	group dynamics	training on Leasents farmers in agricultural practices	production	farmers										
Agricultural Extension	Others (Pl. Specify)													

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
		Crop production and management	Increasing production and productivity of crops													
		Crop production and management	Commercial production of vegetables													
		Crop production and management	Production and value addition													
		Crop production and management	Fruit Plants													
		Crop production and management	Ornamental plants													
		Crop production and management	Spices crops													
		Crop production and management	Soil health and fertility management													
		Crop production and management	Production of Inputs at site													

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
		Crop production and management	Methods of protective cultivation													
RY		Crop production and management	Vermicompost	Vermicomp ost Producer	30	01								ASCI	180000	
		Post harvest technology and value addition	Processing and value addition													
		Post harvest technology and value addition	Others(Pl. Specify)													
		Farm machinery	Farm machinery, tools and implements													
		Farm machinery	Others(Pl. Specify)													
		Livestock and fisheries	Livestock production and management													
		Livestock and fisheries	Animal Nutrition Management													
		Livestock and fisheries	Animal Disease Management													
		Livestock and fisheries	Fisheries Nutrition													
		Livestock and fisheries	Fisheries Management													
		Livestock and fisheries	Others(Pl. Specify)													
		Home Science	Household nutritional security													
		Home Science	Economic empowerment of women													
		Home Science	Drudgery reduction of													

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
			women													
RY		Home Science	Mushroom Production	Mushroom Growers	30	01									ASCI	180000
F/FW		Agricultural Extension	Capacity Building and Group Dynamics	Capacity Building for adoption of Agricultural Technology on FPOs Members	03	01	30									-
F/FW		Agricultural Extension	Entrepreneurship development	Training on Fodder Production Manageme nt	03	01	30									-
F/FW		Agricultural Extension	Skill development	Community service provide	30	01	20									-

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	02	20
Design and development of low/minimum cost diet	01	20
Designing and development for high nutrient efficiency diet	01	20
Minimization of nutrient loss in processing	01	20
Processing and cooking	01	20
Gender mainstreaming through SHGs	01	20
Storage loss minimization techniques	-	20
Value addition	02	20
Women empowerment	01	20
Location specific drudgery reduction technologies	-	20
Rural Crafts	-	20
Women and child care	02	20
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture		

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Crop Production		
Horticulture		
Soil Health and Fertility Management		

Area of Training	Jan-Dec-2020	
	Courses	Participants
Livestock Production and Management		
Agril. Engineering		
Plant Protection		
Fisheries		
Production of Input at site		
Capacity Building and Group Dynamics		
Agro forestry		

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic	4												
Animal Health Camp	2												
Awareness programme	15												
Celebration of important days	8												
Diagnostic visits	10												
Exhibition	6												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Exposure visits	6												
Ex-trainees Sammelan	2												
Farm advisory Services	30												
Farmers visit to KVK	80												
Field Day	6												
Group meetings	4												
Kisan Ghosthi/Sammelan	8												
Kisan Mela	1												
Krishi Mahotsav	-												
Lectures delivered as resource persons	30												
Mahila Mandals conveners meetings	1												
Method Demonstrations	4												
Pradhanmantri phasal beema yojana	-												
Scientific visit to farmers field	50												
Self Help Group conveners meetings	2												
Soil health Camp	2												
Soil test campaigns	2												
Technology Week	1												
Radio talks	4												
Extension literature	15												
TV talks	5												
Newspaper coverage	45												
Film Show	10												
Other (social media)	300												

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	4	AIR Jabalpur	Jabalpur	National
TV talks	5	TV 18	Jabalpur	National, Regional
Newspaper coverage	45	All Jbp News papers	Jabalpur	Regional, Local
Internet (Youtube)	1	-	-	-
Social media (Whats App, Facebook, Instagram, Twitter etc.)	150	Whatsápp groups, Face book, Twitter	Jabalpur	Regional, Local

7. Literature Developed/Published
7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
Jabalpur	January to March 2020	Q1	500		
Jabalpur	April to June 2020	Q2	500		
Jabalpur	July to September 2020	Q3	500		
Jabalpur	October to December 2020	Q4	500		

7.2 Literature developed/published

KVK Name	Type	Number of copies
Jabalpur	Abstract	13
Jabalpur	Book	02
Jabalpur	Book Chapter	03
Jabalpur	Booklet	04
Jabalpur	Leaflets/ Folder/ Pamphlet	05
Jabalpur	Popular article	12
Jabalpur	Technical Bulletin	04
Jabalpur	Training Manual	03
Jabalpur	Technical Report	12

KVK Name	Type	Number of copies
Jabalpur	Year Planner	01
Jabalpur	Others (pl. specify)	10

Research paper /Review paper published during Jan to Dec. 2020

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
Jabalpur					

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Jabalpur	DVD	Agriculture Dissemination through Digital Media	05

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Jabalpur	Cereals	Wheat	JW 3288				
Jabalpur	Cereals	Paddy	JR 81				
Jabalpur	Cereals	Paddy	IR 36				
Jabalpur	Cereals	Paddy	Kranti				
Jabalpur	Pulses	Sunhamp	Sunhamp				

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Jabalpur	Vegetables	Cabbage	BC-79				
Jabalpur	Vegetables	Chilli	Armour				
Jabalpur	Vegetables	Tomato	Heemshikhar				
Jabalpur	Vegetables	Brinjal	Indigo				
Jabalpur	Vegetables	Cauliflower	Girija				
Jabalpur	Floriculture	Gaillardia	Sunshine				

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Jabalpur	Fruits	Pomegranate	Bhagwa				
Jabalpur	Fruits	Guava	Allahabad Safeda				
Jabalpur	Fruits	Mango	Amrapali and Dashari				
Jabalpur	Fruits	Moringa	PKM-1				
Jabalpur	Fruits	Lemon	Seedless				
Jabalpur	Ornamental crops	Marigold	Pusa Narangi				

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost	40000				
	Azolla	100				
	Earthworms					
	Compost					
	Blue green algae					
	NADEP					
	Sanjeevani Khad					
	Acetobacter					
	Aspergillus					
	Azotobacter					
	Azospirillum					
	Phosphate solubilizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					
Bio-Food	Spirulina					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Honey					
	Any Other (pl. sp.)					
Bio Pesticides	Neem extract					
	Neem powder					
	Tobacco extract					
	Trichoderma viride					
	Trichoderma harjinum					
	Trichogramma chilonis					
	Beauveria bassiana					
	Metarhizium anisopliae					
	Pseudomonas fluorescens					
	SINPV					
	HaNPV					
	GF1					
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea					
	Tricho card					
	Any other (Pl. Specify)					
Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis					
	Epiricania melanolauca					
Bio Agents(Worms)	Assinia foetida					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Eudrilus eugeniae					
	Euclnia Uginae					
	Eisenia foetida					
	Earth worm					
	Any other (pl. specify)					
Others	Mushroom spawn					
	Mineral Mixture					
	Cow dung (dry)					
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow						
	Calves						
	Goats						
	Buffaloes						
	Sheep						
	Breeding bull						
	Other (pl specify)						
Poultry	Poultry						
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
	Other						

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Piggery	Piglets						
	Boar						
	Sow						
	Other (pl specify)						
Fisheries	Indian carp						
	Exotic carp						
	Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed		No. of Farmers benefited		No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
	Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	by KVKs	By Department	By KVK	By Department			Through Mini Soil Testing kit	Through Soil testing laboratory
					Mini Soil Testing kit	Soil testing laboratory	Mini Soil Testing kit	Soil testing laboratory				
No	2	1	1200		1200		400	2400	40		1200	9600

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Jabalpur	-	-	-	-	-

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
Last week of June	Moisture conservation through rain water system	F & FW	1									20

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
December	Types of micro irrigation system and its advantage	F & FW	1									20

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Jabalpur	-	-	--	-	-	-

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Jabalpur	-	-	--	-	-

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Jabalpur	1 st Fortnight of July	60	
Jabalpur	2 nd Fortnight of September	60	

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Jabalpur	3000	50	5	

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology	150	6			
		Integrated Farming	60	2			
		Field Preparation	10	2			
		Any Other (Specify)	100	1			
2	Weather	Advisory	20	5			
		Change in variety	25				
		Change in Sowing technique	15	1			
		Climate forecast		2			
		Any Other (Specify)					
3	Soil Management	Soil Testing	25	5			
		INM	45	4			

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Fertilizer Application	7	2			
		Vermicomposting/ bio-waste recycling	13				
		Bio-fertilizer	23	1			
		Any Other (Specify)					
4	Disease & Pest Management	Disease Management	60	5			
		Pest Management	100	6			
		Preventive Advisory Disease Management	28	1			
		Preventive Advisory Pest Management	23				
		Bio-pesticides	30				
		Any Other (Specify)					
5	Nutrition Security & Women Empowerment	Nutrition Awareness	25	3			
		Kitchen garden	6	1			
		Value Addition and Processing	8				
		Drudgery Reduction	2				
		Entrepreneurship & Income Generation	6				
		Advisory					
		Any Other (Specify)					
6	Horticulture	Vegetable	25	5			
		Fruit	21				
		Hi Tech Horticulture	48				
		Any Other (Specify)					
7	Livestock	Feed and Fodder	40	4			

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Dairy Management	13				
		Fisheries					
		Poultry Management	4				
		Vaccination & Disease management	8	2			
		Any Other(Specify)					
8	Farm Mechanization		40				
9	Extension		50	1			
10	Organic Farming		13				
11	Marketing		5	1			
12	Awareness		5	5			
13	Other Enterprise						
14	Any Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Jabalpur	Cluster Demonstration on Pulses	Central				
Jabalpur	Cluster Demonstration on Oilseed	Central				
Jabalpur	Skill Development Training ASCI	Central				
Jabalpur	Krishi Kalyan Abhiyan under Rabi	Central				

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
	Campaign					
Jabalpur	Swachata Mission (SAP)	Central				

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Jabalpur	20030200010056			

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/National)	Awarding Organizations	Amount received
Jabalpur					

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
1.5 acre (6070.28 sq.meter)	Spices	Ginger		

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
	Spices	Turmeric		
	Vegetable	Tomato		
	Vegetable	Okra		
	Vegetable	Brinjal		
	Vegetable	Cowpea		
	Vegetable	Chilli		
	Vegetable	Bottle gourd		
	Vegetable	Sponge gourd		
	Vegetable	Bitter gourd		
	Vegetable	Pumpkin		
	Vegetable	Cabbage		
	Vegetable	Cauliflower		
	Vegetable	Coriander		
	Vegetable	Spinach		
	Vegetable	Fenugreek		
	Vegetable	Amaranthus		
	Fruit	Sapota		
	Fruit	Seedless Lemon		
	Fruit	Tamrind		
	Fruit	Jamun		
	Fruit	Guava		
	Fruit	Pomegranate		

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1	Jabalpur	Umesh Kushwaha	Animal Husbandry (Dairy)	Kewlari, Panagar	9200889970
2	Jabalpur	Rajesh Tiwari	Improved production technique of lentil	Bandha, Sihora, Jabalpur	9300758002
3	Jabalpur	Sanjeev (Tony) Agrawal	Mosambi cultivation	Ranjhi, Jabalpur	9981121121

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
4	Jabalpur	Manisha Sakhardande	Improved production technique of Linseed	Kalyanpur, Kundam, Jabalpur	9425152719
5	Jabalpur	Sandeep Shukla	Pigeonpea planting on raised bed on urd	Kuwakheda, Shahpura Jabalpur	
6	Jabalpur	Ram Singh Thakur	Summer moong production	Piperia kalan, Shahpura, Jabalpur	8819043559
7	Jabalpur	Gendalal Kushwaha	Enriched vermicompost production	Kewlari, Panagar	9993268107
8	Jabalpur	Narayan Singh	Light trap	Kuwakheda, Shahpura	
9	Jabalpur	Manoj Kumar Choubey	Method of moong sowing in summer	Mohatara, Sihora	9165217356
10	Jabalpur	Ram Lochan Patel	Raised bed planting of tomato	Urdua Khurd, Panagar, Jabalpur	9907741699
11	Jabalpur	Leeladhar Kushwaha	Drip irrigation with mulching	Urdua Khurd, Panagar, Jabalpur	
12	Jabalpur	Ramphal Jhariya	Poultry production	Berkheda, Kundam	8963910972
13	Jabalpur	Smt Bindu Dubey	value addition	Sadar Bazar, Jabalpur	9098470468

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Jabalpur	3	90

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Jabalpur	7	1444	7	7	34	331

Intensive- OFTS, FLDS etc; **Extensive-** Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Jabalpur	Katni, Narsingpur, Dindori	Man power, Materials, Machinery			

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Jabalpur						

28. Status of KVK Website during Jan to Dec. 2020

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
1.	Jabalpur	26.10.2010	kvkjabalpur.nic.in	60	

29. Status of Mobile Apps developed by KVK

Year	Title of Mobile App	Link to Play Store	No. of Installs
2019 (updated)	Chana ki unnat Kheti	https://play.google.com/store/apps/details?id=in.nic.kvkjabalpur.chickpeahindi&hl=en_IN	1000+

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
	Jabalpur			

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
	Jabalpur			

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Jabalpur				
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Jabalpur		

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Jabalpur				

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Jabalpur		

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Jabalpur					

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Jabalpur		

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA)	Reported to organization
Jabalpur				

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Jabalpur	Gosthies			
Jabalpur	Lectures organized			
Jabalpur	Exhibition			
Jabalpur	Film show			

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Jabalpur	Fair			
Jabalpur	Farm/ Field Visit			
Jabalpur	Diagnostic Practical's			
Jabalpur	Distribution of Literature (No.)			
Jabalpur	Distribution of Seed (q)			
Jabalpur	Distribution of Planting materials (No.)			
Jabalpur	Bio Product distribution (Kg)			
Jabalpur	Distribution of Bio Fertilizers (q)			
Jabalpur	Distribution of fingerlings			
Jabalpur	Distribution of Livestock specimen (No.)			
Jabalpur	Total number of farmers visited the technology week			
Jabalpur	Animal health camp			
Jabalpur	Awareness programme			
Jabalpur	Demonstration			
Jabalpur	Exposure visit			
Jabalpur	Ex-trainees Meet			
Jabalpur	Farmer scientist interaction			
Jabalpur	Farmers Training			
Jabalpur	Gajarghans Unmulan Pakhwada			
Jabalpur	Group Meeting			
Jabalpur	Jai Kisan Jai Vigyan Sangoshthi			
Jabalpur	Plant Protection Week			
Jabalpur	Seed treatment campaign			
Jabalpur	Self Help Group convener meet			
Jabalpur	Soil health Camp			
Jabalpur	Swachha Bharat Abhiyan			
Jabalpur	Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION**Introduction of alternate crops/varieties**

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Saplings				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village
Jabalpur	Shahpura	Kohla

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Demonstration on maize (hybrid) full package	Maize	2			5
Demonstration on chickpea (JG 63) full package	Chickpea	2			5
Demonstration on fieldpea (PSM 3) full package	Fieldpea	1.2			3

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

Kisan sangoshthi				150
Swachhata awareness campaign				50
Soil test awareness campaign				60
Awareness programme COVID-19				50

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Production technology of maize and INM				20
Production technology of chickpea and INM				20
Production fieldpea of chickpea and INM				20
Nutrient deficiency symptoms and its management				20

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Jabalpur	02	01

10. KVK, Katni

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	16	80			
FLDs – Oilseeds (activity in ha)	8.0	20			
FLDs – Pulses (activity in ha)	4.0	10			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	20.0	50			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	5	20			
Training-Farmers and farm women	79	1995			
Training-Rural youths	09	270			
Training- Extension functionaries	11	285			
Extension Activities	335	Mass			
Seed Production (Number of activity as seeds in quintal)	06	-			
Planting material ((Number of activity as quantity of planting material in quintal)	05	-			
Seedling Production (Number of activity as number of seedlings in numbers)	-	-			
Sapling Production (Number of activity as number of sapling in numbers)	-	-			
Other Bio- products (No. of quantity)	200q	--			
Live stock products	01	-			
Activities of Soil and Water Testing Laboratory	900	900			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	52	25000			
SAC Meeting (Date & no. of core/ official members)	-	-			
Literature to be Developed/Published	31	Mass			
Convergence programmes / Sponsored programmes	-	-			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel	-	-			
Utilization of Staff Quarters	-	-			
Details of KVK Agro-technological Park	-	-			
Crop Cafeteria-	03	Mass			
Farm Innovators- list of 10 farm innovators from the District	10	-			
Status of Revolving Funds		-			
Awards and Recognitions	-	-			
Case study / Success Story to be developed	02	-			
KVK Progressive Farmers interaction	-	-			
Outreach of KVK in the District (No. of blocks, no. of villages)	06	509			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	02	-			
Important visitors to KVK	-	-			
Status of KVK Website	-	-			
Status of RTI	NA				
E-connectivity	-	-			
Details of Technology Week Celebrations	-	-			
Interventions on Drought Mitigation	-	-			
Proposal of NAIP	NA	-			
Proposal of NICRA	NA	-			
Well labeled photographs	-	-			
Other Activities	-	-			

1. GENERAL INFORMATION

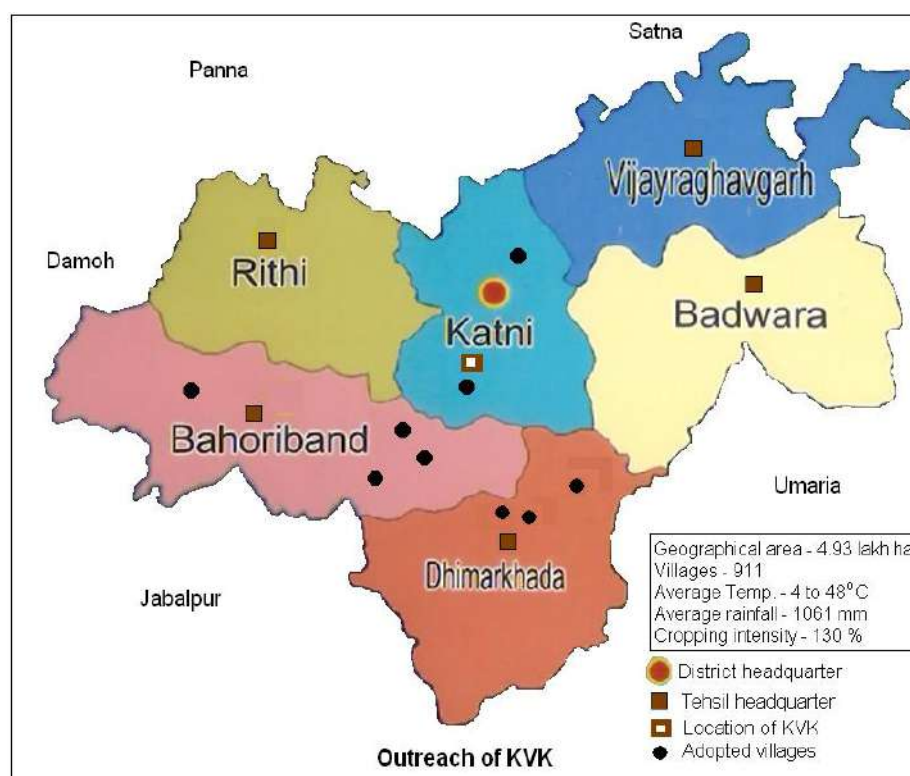
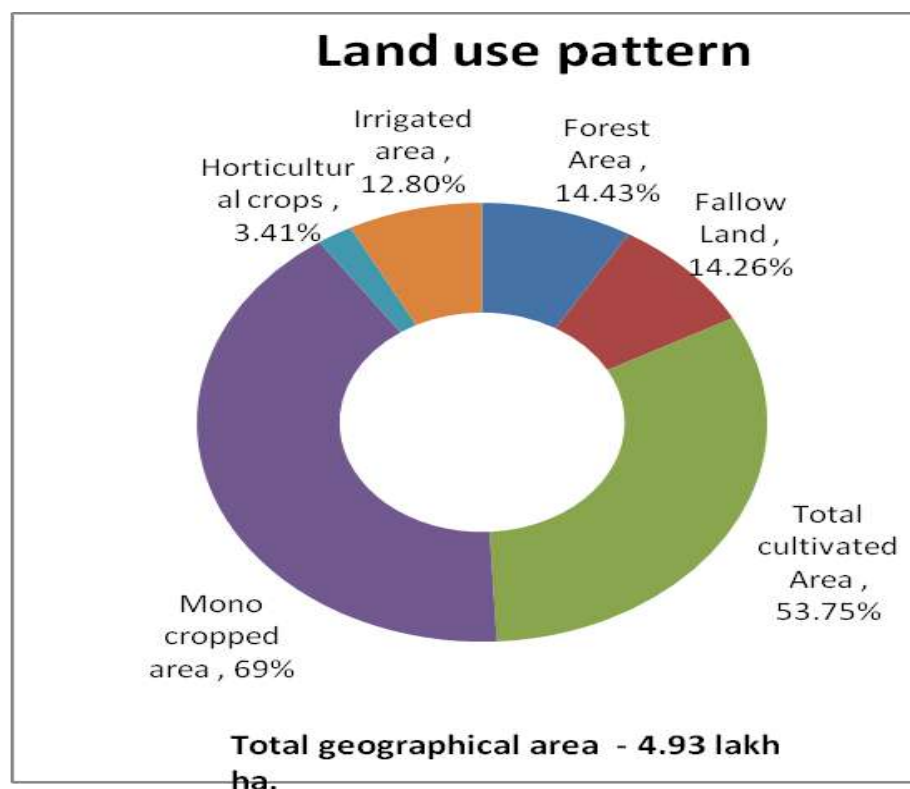
1.1. Staff Position (as on date 31.03.2020)

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Programme Coordinator	Dr. Sanjay Vaishampayan	Plant Protection	PhD	Plant Protection	37400-67000+9000	59220	06/06/1995	Permanent	General
Subject Matter Specialist1	Dr A K Tomar	Home science	M.Sc,Phd	Food science	15600-39100+7000	38850	06.06.1995	Permanent	General
Subject Matter Specialist2	Dr R K Mishra	LPM	PhD	LPM	15600-39100+6000	29900	08.03.2007	Permanent	General
Subject Matter Specialist3	Dr Sashi Gaur	Home science	PhD	Home science	15600-39100+6000	29900	24.01.2007	Permanent	General
Subject Matter Specialist4	Dr A K Dubey	Agri Engg	PhD	Agri Engg	15600-39100+6000	21600	10.10.2011	Permanent	General
Subject Matter Specialist5	Dr. Yatiraj Khare	Agric. Extn.	PhD	Agric. Extn.	15600-39100+6000	29900	23.01.2007	Permanent	General
Subject Matter Specialist6	Dr Arpita Shrivastava	GPB	PhD	Plant Breeding & Genetics	15600-39100+6000	21600	03.10.2017	Permanent	General
Technical Officer	Dr. R. P. Bain	Agric. Extn.	PhD	Agric. Extn.	9300 - 24000+4200	21300	01.02.2007	Permanent	SC
Technical Officer (Farm Manager)	Dr K P Dwivedi	Agro Forestry	PhD	Agro Forestry	9300 - 24000+4200	21300	01.05.2007	Permanent	GEN
Technical Officer (Computer Programmer)	Sh J.B. Srivastava	Computer	MCA	Computer	9300 - 24000+4200	20680	01.04.2008	Permanent	Gen
Accountant / superintendent	Vacant	-	-	-	-	-	-	-	-
Stenographer	Vacant								

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Driver	Sh Jitendra Singh	-	8 th pass	-	5200-20200 +1900	9360	07.07.2008	Permanent	Gen
Driver	Sh Naresh Badal	-	Intermediate	-	5200-20200 + 1900	9360	11.07.2008	Permanent	Gen
Supporting staff	Vacant	-	-	-	-	-	-	--	-
Supporting staff	Vacant	-	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

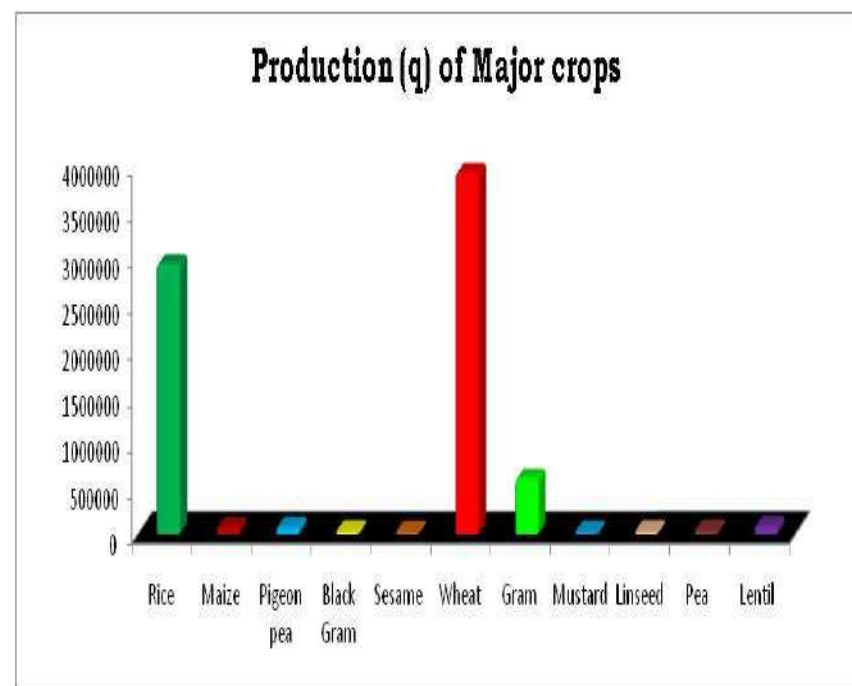
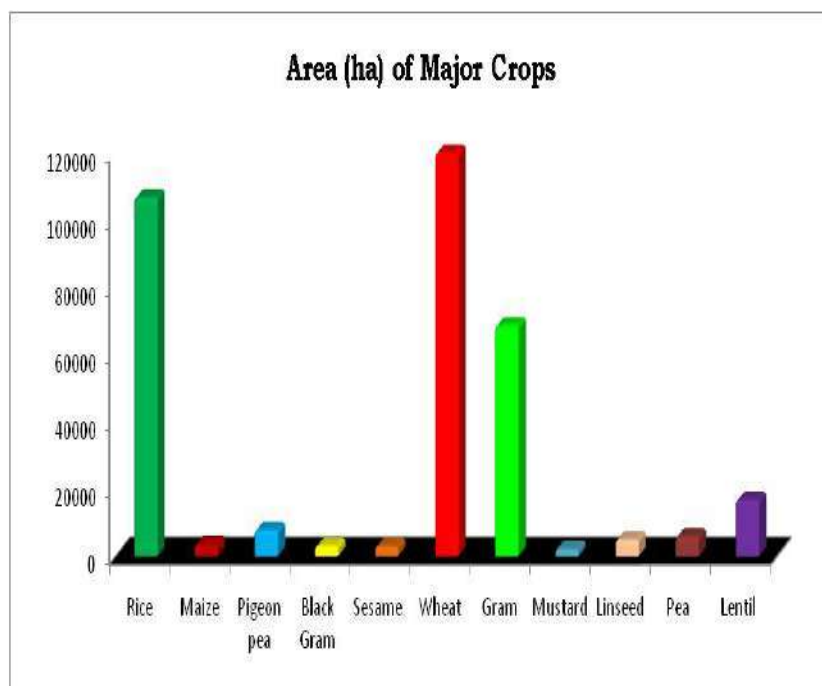
KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Katni	Kaymore platu & satpura hills	06	409	1064167	52.17	35%	1.79 lakh	1.41ha



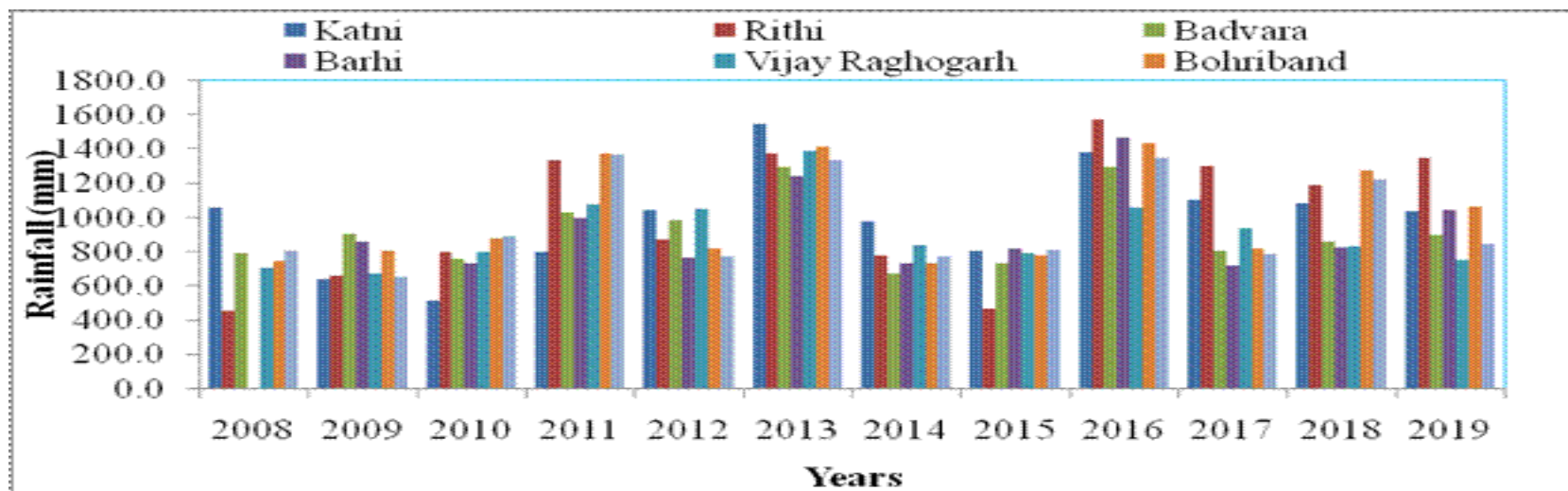
Major crops (Area, production and yield 2017-18): Paddy, Pigeon pea, Till, Wheat, Gram, Lentil, Linseed

S no	Crop	Area (ha)	Production (q)	Productivity (q/ha)	Amount (Lakh)
Kharif 2017					
1	Rice	106800	2942340	27.55	38250.42
2	Maize	3600	67500	18.75	803.25
3	Pigeon pea	7800	74490	9.55	2383.68
4	Black Gram	3000	20760	6.92	716.22
5	Sesame	3000	13560	4.52	935.64
Rabi 2017-18					

S no	Crop	Area (ha)	Production (q)	Productivity (q/ha)	Amount (Lakh)
1	Wheat	120000	3936000	32.80	55104
2	Gram	68603	603706	8.80	21129.72
5	Mustard	2100	13860	6.60	429.66
6	Linseed	5000	24000	4.80	780
7	Pea	5900	32450	5.50	473.77
8	Lentil	16700	85170	5.10	2521.032



Meteorological features of Katni District



Average annual rainfall : 1161 mm
 Temperature : 4°C to 48°C

1.3. DETAILS OF ADOPTED VILLAGE during 01.01.2020 to 31.12.2020 (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK (km)	Population	Number of farmers (having land in the village)
Katni	Niwar Pahadi	2019	Katni	10	6520	2563
Katni	Sunhai	2019	Bahoriband	27	401	123
Katni	Paharua	2019	Bahoriband	30	650	207
Katni	Banda	2019	Katni	11	1354	589
Katni	Matwari	2019	Katni	06	1318	512
Katni	Bilgawan	2019	Katni	28	1550	806
Katni	Kharkhari	2019	Katni	36	1810	746
Katni	Padua	2019	Katni	04	2887	1189
Katni	Lakhapateri	2019	Katni	05	1946	793

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK (km)	Population	Number of farmers (having land in the village)
Katni	Gudari	2019	Katni	09	2200	534
Katni	Jiwara	2019	V. garh	47	1199	486
Katni	Sighanpuri	2019	Katni	24	1216	507

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Katni	Seed replacement/seed treatment /line sowing through introduction of improved variety
Katni	Integrated nutrient management/organic farming
Katni	Integrated weed management
Katni	Integrated pest management
Katni	Cropping system and crop diversification
Katni	Rainwater and irrigation management
Katni	Popularization of SRI/SPI/SMI/raise bed method in different crops
Katni	Farm mechanization and drudgery reduction
Katni	Introduction of improved implements
Katni	Development of rural entrepreneurship for income and employment generation
Katni	Integrated livestock management
Katni	Popularization of High tech vegetable cultivation

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Katni	Use of old Variety	PRA	Kohka, Teori, Patoha, shahpur, Naigawa, Battesara, Pahari, Niwar, Pathoha, Deorakala, Bilahari, Pipariya, Dundi, Amari,
Katni	Lack of knowledge in pest and disease management	PRA	Kohka, Teori, Patoha, shahpur, Naigawa, Battesara, Pahari, Niwar, Pathoha, Deorakala, Bilahari, Pipariya, Dundi, Amari,
Katni	Low production in cereals and pulse crop due to technology gap	PRA	Kohka, Teori, Patoha, shahpur, Naigawa, Battesara, Pahari, Niwar, Pathoha, Deorakala, Bilahari, Pipariya, Dundi, Amari,
Katni	Lack of knowledge about marketing	PRA	Kohka, Teori, Patoha, shahpur, Naigawa, Battesara, Pahari, Niwar, Pathoha, Deorakala, Bilahari, Pipariya, Dundi, Amari,

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Katni	Poor quality of breed	PRA	Kohka, Teori, Patoha, shahpur, Naigawa, Battesara, Pahari, Niwar, Pathoha, Deorakala, Bilahari, Pipariya, Dundi, Amari,
Katni	Lack of knowledge about Water recharge system	PRA	Kohka, Teori, Patoha, shahpur, Naigawa, Battesara, Pahari, Niwar, Pathoha, Deorakala, Bilahari, Pipariya, Dundi, Amari,
Katni	Use of old and local variety in vegetable crops	PRA	Kohka, Teori, Patoha, shahpur, Naigawa, Battesara, Pahari, Niwar, Pathoha, Deorakala, Bilahari, Pipariya, Dundi, Amari,
Katni	Lack of awareness in production technology	PRA	Kohka, Teori, Patoha, shahpur, Naigawa, Battesara, Pahari, Niwar, Pathoha, Deorakala, Bilahari, Pipariya, Dundi, Amari,

2. On Farm Testing

2.1 Details of OFT on Crops

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/ Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
2020	Khari f	Use of old variety, Low yield, high methane emission	Assessment of Improved variety of rice JR 81 in direct sowing with tractor drawn seed cum fertilizer drill for reduction of	Assessment	Use of old variety IR 64 in flooded field	Improved variety JR 81 in direct sowing with seed cum fertilizer drill	-	Varietal assessment	Rice/ JR 81	Rainfed	05	05							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/ Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
			methane emission																
2020	Khari f	Use of old variety, Low yield, poor surface drainage and water logging	Assessment of Improved variety of Pigeonpea Rajeevlochan in ridge and furrow technique	Assessment	Use of old variety (Asha mixed seed) in flat bed	Improved variety Rajeevlochan in ridge and furrow technique	-	Varietal assessment	Pigeonpea/ Rajeevlochan	Rainfed	05	05							
2020	Khari f	Due to lack of knowledge shade loving crops	Assessment of ginger cultivation under shade of guava cultivation	Assessment	No utilization of interspaces	Utilization of interspaces under guava orchard	-	IFS	Agroforestry systems	Rainfed	05	05							
2020	Rabi	Use of old variety, Low yield due to heat stress	Assessment of Improved variety of Chickpea RVG 203 under late sown condition	Assessment	Use of old variety (JG 315 mixed seed)	Improved variety RVG 203 under late sown condition	*/	Varietal assessment	Chickpea/ RVG 203	Rainfed	05	05							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/ Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
2020	Rabi	Low yield due to use of old variety, Moisture stress, fallow land	Assessment of Improved variety of lentil IPL 316 under rice fallow condition	Assessment	Use of old variety (JL 3 mixed seed) or fallow land	Improved variety IPL 316 under rice fallow condition	-	Varietal assessment	Lentil/ IPL 316	Rainfed	05	05							
2020	Rabi	No income from blank spaces	Assessment of Pea cultivation in interspaces of mango plantations	Assessment	No utilization of interspaces	Utilization of interspaces through agricrops	-	IFS	Agri-horti system	Semi-Irrigated	05	05							

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of Improved variety of rice JR 81 in direct sowing with tractor drawn seed cum fertilizer drill for reduction of methane emission		
Assessment of Improved variety of Pigeonpea Rajeevlochan in ridge and furrow technique		
Assessment of ginger cultivation under shade of guava cultivation		
Assessment of Improved variety of Chickpea RVG 203 under late sown condition		

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of Improved variety of lentil IPL 316 under rice fallow condition		
Assessment of Pea cultivation in interspaces of mango plantations		

2.2 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Assessment of Improved variety of rice JR 81 in direct sowing with tractor drawn seed cum fertilizer drill for reduction of methane emission	No. of tillers/ plant, Spikelet fertility (%), plant height (cm), Yield (q/ha), Net return, BC ratio															
Assessment of Improved variety of Pigeonpea Rajeevlochan in ridge and furrow technique	No. of branches/ plant, No. of pods/ plant, No. of seeds/ pod, Yield (q/ha), Net return, BC ratio															
Assessment of ginger cultivation under shade of guava cultivation	Guava yield/plants, Ginger/ha. Net return, B C ratio, Gross income/ha															
Assessment of Improved variety of	No. of pods/ plant, Yield (q/ha), Net															

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
lentil IPL 316 under rice fallow condition	return, BC ratio															
Assessment of Pea cultivation in interspaces of mango plantations	No. of pods/ plant, Yield (q/ha), Net return, BC ratio															
Assessment of Pea cultivation in interspaces of mango plantations	Income(%), Yield (q/ha), Net income, BC Ratio															

2.3 Details of OFT on Agriculture Engineering

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farmer's Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
2020	Khari f	Broadcasting, higher seed rate (100-120 kg/ha)	Assessment of Tractor drawn seed cum fertilizer drill	Assessment	Broadcasting	Tractor drawn seed cum fertilize	-	AEG	Tractor drawn seed cum fertilize	Rainfed	05	05							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farmer's Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
			for direct sowing of Rice under rainfed condition			r drill for direct sowing of rice			r drill										
2020	Khari f	Poor yield, higher weed infestation	Assessment of Rotary paddy weeder for effective weed management in rice	Assessment	Manual/chemical	Rotary paddy weeder	-	AEG	Rotary paddy weeder	Irrigated	05	05							
2020	Rabi	Delayed sowing of wheat leads to reduced yield, Burning of crop residues	Assessment of direct sowing of wheat varieties through Happy seeder	Assessment	Sowing with full field preparations	Direct sowing of wheat in combine harvested rice fields by happy	-	AEG	Happy seeder	Irrigated	05	05							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
						seeder													
2020	Rabi	Labour problem during harvesting / (Combine Harvester – pollution challenges)	Assessment of performance of tractor drawn front mounted vertical conveyor reaper for harvesting wheat	Assessment	Manual Harvesting with sickle	Harvesting through tractor drawn self propelled reaper	-	AEG	Tractor drawn front mounted vertical conveyor reaper	Irrigated	05	05							

2.3a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of Tractor drawn seed cum fertilizer drill for direct sowing of Rice under rainfed condition		
Assessment of Rotary paddy weeder for effective weed management in rice		
Assessment of direct sowing of wheat varieties through Happy seeder		
Assessment of performance of tractor drawn front mounted vertical conveyor reaper for harvesting wheat		

2.4 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Assessment of Tractor drawn seed cum fertilizer drill for direct sowing of Rice (Improved Jeerashnkar) under rainfed condition	Field capacity (ha/hr), field emergence, No of BLW/m ² , Net return, BC ratio															
Assessment of Rotary paddy weeder for effective weed management in rice	Weeding efficiency (%), Yield (q/ha), Economics, BC Ratio															
Assessment of direct sowing of wheat varieties through Happy seeder	Diesel saving (l/hr), Yield (q/ha), BC Ratio															
Assessment of performance of tractor drawn front mounted vertical conveyor reaper for harvesting wheat	Field capacity(ha/hr),Yield (q/ha), Economics, BC ratio															

2.5 Details of OFT on Agriculture Extension

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
2020-21	Around the Year	Delayed and lack of visual based technical information dissemination	Assessment of effectiveness of visual based technical information dissemination through social media (Whats app)	Assessment	Dissemination of technical information without Social media	Dissemination of technical information through Social media	-	ICT	Social media		250	250							
2020-21	Around the Year	Lack of knowledge and Guidance of Leasent farmers and land owners to the crop production practices	To study the assessment of issue and strategy of lease agreement to the govt. land and private land owner and Leasents	Assessment	Farmers are not using of lease agreement to the govt. land and private land	Adoptability and effective ne lease agreement to thegovt. land and private land ss	-	CBD	lease agreement to the govt. land and private land	-	250	250							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
		and lease agreements rules	farmers																
2020-21	Around the Year	Lack of awareness about crop production/seed technology and management of FPOs members.	Study on performance of Farmers Producer Organization (FPOs) in district Katni	Assessment	Dissemination of technical information Farmers Producer Organization (FPOs)	Dissemination of technical information	-	Group approach	of technical information Farmers Producer Organization (FPOs)	-	100	100							

2.5a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of effectiveness of visual based technical information dissemination through social media (Whats app)		
Assessment of issue and strategy of lease agreement to the govt. land and private land owner and Leasants farmers		
Study on performance of Farmers Producer Organization (FPOs) in district Katni		

2.6 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Assessment of effectiveness of visual based technical information dissemination through social media (Whats app) in Chickpea	- Extent of utilization of technical information related to Pod borer insects and control measures in Chickpea. - Visibility of the content (Seed treatment, use of culture, nipping prior to flowering, use of bird purchur T) - Feedback of farmers on the delivered messages.															
The assessment of issue and strategy of lease agreement to thegovt. land and private land owner and Leasents farmers	Criteria and rates of lease agreement, No. of Agricultural Implements available on Own/Hiringbasis, Record keeping. Annual income Problems faced on taking lease land, Skill of the leasants holder. Decision making of the leasents,Linkage with others															

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Study on performance of Farmers Producer Organization (FPOs) in district Katni	No. of FPOs working, No. of FPOs non working, Working year of FPOs, Record keeping Annual income, Problem faced by farmers Credibility of FPOs. Skill of the FPOs holder. Decision making of FPOs holder Linkages Leadership ability															

2.7 Details of OFT on Animal Science

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop / enterprise	Farmer Situation	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
2020	Khari f /Rabi	Poor growth in goat kids	Assessment of Probiotic supplementation on	Assessment	No practice of probiotic supplementation in goat	Probiotic supplementation	-	LPM	Goat	Free range	05	05							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
			Growth parameters of goat Kids																
2020	Khari f/Rabi	Poor growth in goat kids	Assessment of growth performance of non-descript goat supplemented with concentrate mixture under field condition	Assessment	Kids were maintained solely on grazing for 6–8 h on community grazing land	kids were fed concentrate mixture @ 1.5% of body weight along with grazing for 150 days	-	LPM	Goat	Free range	05	05							
2020	Rabi	Mastitis in lactating cattle	Assessment of supplementing certain vitamins and chelated trace minerals	Assessment	No use of vitamin and minerals	Cow will be fed daily 10 g supplement per animal containing coated vitamins E	-	LPM	Cows	Free range	05	05							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
			on reducing incidence of sub-clinical and clinical mastitis in crossbred cows			and A, chelated copper (Cu), zinc (Zn), chromium (Cr), along with iodine(I), for 4 weeks prior to calving.													

2.7a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of Probiotic supplementation on Growth parameters of goat Kids		
Assessment of growth performance of non- descript goat supplemented with concentrate mixture under field condition		
Assessment of supplementing certain vitamins and chelated trace minerals on reducing incidence of sub-clinical and clinical mastitis in crossbred cows		

2.8 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Assessment of Probiotic supplementation on Growth parameters of goat Kids	Body weight, Health condition, BC ratio															
Assessment of growth performance of non- descript goat supplemented with concentrate mixture under field condition	Body weight, Health condition, BC ratio															
Assessment of supplementing certain vitamins and chelated trace minerals on reducing incidence of sub-clinical and clinical mastitis in crossbred cows	Milk yield, % reduction in mastitis, BC ratio															

2.9 Details of OFT on Animal Science

Year	Season	Problem diagnosed	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	

2.9a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.10 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.11 Details of OFT on Fisheries

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Title of Technology/ Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	

2.11a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.12 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.13 Information about Home Science OFT: (For All Thematic Area)

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations

2.13 (A) Economic Performance Home Science OFT: (For Drudgery Reduction)

OFT Title	Performance Indicator / Parameter													
	Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

2.13 (B) Economic Performance Home Science OFT: (For Income Genration)

OFT Title	Performance Indicator / Parameter											
	Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.13 (C) Economic Performance Home Science OFT: (For value addition)

OFT Title	Performance Indicator / Parameter													
	Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.13(D) Economic Performance Home Science OFT: (For Nutritional security)

OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of vegetable/Fruit/Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2019-20)

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
Paddy	Varietal evaluation	Demonstration of Improved variety of paddy Swarna Shreya				
Pigeon pea	Varietal evaluation	Demonstration of improved variety of Pigeonpea TJT 501 under ridge and furrow technique				
Chickpea	Varietal evaluation	Demonstration of improved variety of chickpea JG 12 in rainfed condition				
Wheat	Varietal evaluation	Demonstration of improved variety of wheat (JW 3173)				
Paddy weeder	AEG	Demonstration of paddy weeder for weeding				
Chickpea	AEG	Demonstration of Seed cum fertilizer drill for sowing of chickpea in rainfed condition				
Wheat	AEG	Demonstration of Rotavator for field preparation in wheat				
Cow	LPM	Demonstration of feeding management techniques in lactating cows with Azolla, Sorghum fodder and total mix ration for better milk production				
Chicken	LPM	Rearing of Narmada Nidhi dual purpose chicken in back yard				
KMAS	ICT	Dissemination of agricultural information through mobile messaging for enhancing the farmers income in existing situation through Kisan Mobile Advisory Services (KMAS)				
Seed societies	Capacity building	Promotion and performance of seed societies in Katni district				

3.1 Details of FLDs on Crop to be implemented during 2020-21

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	Varietal evaluation	Demonstration of sesame variety TKG 308 as crop diversification under rainfed situation	Sesame	TKG 308	4.0								
2020	Kharif	Varietal evaluation	Demonstration of rice variety JRB 1 with SRI to help farmers to cope with climate variability	Rice	JRB 1	4.0								
2020	Rabi	Varietal evaluation	Demonstration of improved variety of wheat JW 3211 by sowing with happy seeder under semi irrigated rice wheat cropping system	Wheat	JW 3211	4.0								
2020	Rabi	Varietal evaluation	Demonstration of improved variety of linseed JLS 66 in rainfed condition	Linseed	JLS 66	4.0								
2020	Kharif/ Rabi	Pruning Management	Demonstration of rejuvenation techniques in senile guava orchard	Guava	Guava orchard	1.0								

3.3 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of sesame variety TKG 308 as crop diversification under rainfed situation	TKG 308	No. of capsule/ plant, Yield q/ha, Economics, BC ratio										
Demonstration of rice variety JRB 1 with SRI to help farmers to cope with climate variability	JRB 1	No. of tillers/plant, Yield q/ha, Economics, BC ratio										
Demonstration of improved variety of wheat JW 3211 by sowing with happy seeder under semi irrigated rice wheat cropping system	JW 3211	No. of tillers/plant, Yield q/ha, Economics, BC ratio										
Demonstration of improved variety of linseed JLS 66 in rainfed condition	JLS 66	No. of capsule/plant, Yield q/ha, Economics, BC ratio										
Demonstration of rejuvenation techniques in senile guava orchard	Guava orchard	Yield q/ha, Economics, B C ratio.										

3.4 Details of FLDs on Agriculture Engineering to be implemented during 2020-21

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	AEG	Demonstration of paddy weeder for weeding	Paddy weeder	Paddy weeder	4.0								
2020	Rabi	AEG	Demonstration of Seed cum fertilizer drill for sowing of chickpea in rainfed condition	Chickpea	Seed cum fertilizer drill	4.0								
2020	Rabi	AEG	Demonstration of Rotavator for field preparation in wheat	Wheat	Rotavator	4.0								

3.5 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of paddy weeder for weeding	Paddy weeder	Yield q/ha, Economics, BC ratio										
Demonstration of Seed cum fertilizer drill for sowing of chickpea in rainfed condition	Chickpea	Field capacity (ha/hr), Yield (q/ha), Net return, BC Ratio										
Demonstration of Rotavator for field preparation in wheat	Wheat	Working capacity (ha/hr), Yield (q/ha), Economics, BC Ratio										

3.6 Details of FLDs on Animal Science to be implemented during 2020-21

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif & Rabi	LPM	Assessment of improved poultry birds in back yard system	Poultry	Narmadanidhi and Kadaknath	05								
2020	Kharif & Rabi	LPM	Effect of feeding balance ration on production performance of lactating cows	Cows	Balance ration feeding	05								
2020	Kharif & Rabi	LPM	Demonstration of mineral mixture supplementation on growth performance of kids (non descript goat)	Goat	Supplementation of mineral mixture to goat Kid	05								

3.7 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Assessment of improved poultry birds in back yard system	Narmadanidhi and Kadaknath	Mortality rate(%), egg Production (no./year), Body weight(g/month), Increase in income (Rs), B:C ratio										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Effect of feeding balance ration on production performance of lactating cows	Balance ration feeding	Health condition, Milk yield, Post partum heat Health condition, Milk yield, Post partum heat										
Demonstration of mineral mixture supplementation on growth performance of kids (non descript goat)	Supplementation of mineral mixture to goat Kid	Body weight (kg) and health										

3.8 Details of FLDs on Fishery to be implemented during 2020-21

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.9 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.10 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/ Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries

3.11(A) Economic Performance Home Science FLD: (For Drudgery Reduction)

FLD Title	Performance Indicator / Parameter													
	Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.11 (B) Economic Performance Home Science FLD: (For Income Genration)

FLD Title	Performance Indicator / Parameter											
	Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

3.11 (C) Economic Performance Home Science FLD: (For value addition)

FLD Title	Performance Indicator / Parameter													
	Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

3.11 (D) Economic Performance Home Science FLD: (For Nutritional security)

FLD Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of vegetable/Fruit/Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.12 Details of FLDs on Agriculture Extension to be implemented during 2020-21

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Around the year	ICT	Dissemination of agricultural information through mobile messaging for enhancing the farmers income in existing situation through Kisan Mobile Advisory Services (KMAS)	KMAS	KMAS									

3.13 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Dissemination of agricultural information through mobile messaging for enhancing the farmers income in existing situation through Kisan Mobile Advisory Services (KMAS)	KMAS	Understanding of the message, Need & time based information, Applicability of the messages, Impact of Technology on yield										

3.14 Training and Extension activities proposed under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks
Kharif & Rabi crops	Field days	12		
	Farmers Training	120		
	Media coverage	Mass		
	Training for extension functionaries	12		

3.15 Details of FLD on crop hybrids. NA

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

5. TRAINING PROGRAMMES

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants to be involved
Katni	F/FW	Interview schedule	Bahoriband, Katni. Rithi, V Garh, Dheemarkheda, Badwara	520
Katni	F/FW	Interview schedule and PRA	Bahoriband, Katni. Rithi, V Garh, Dheemarkheda, Badwara	830
Katni	F/FW	Interview schedule	Bahoriband, Katni. Rithi, V Garh, Dheemarkheda, Badwara	710
Katni	F/FW	Interview schedule and PRA	Bahoriband, Katni. Rithi, V Garh, Dheemarkheda, Badwara	480

Table 5.2. Details of Training programmes to be conducted by the KVKs.

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	ONC	CP	Improved production techniques of Kharif crops	1	1	25								
FW	OFC	CP	Improved production	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			techniques of Kharif crops											
FW	OFC	CP	Improved production techniques of rabi crops	2	1	25								
FW	OFC	CP	Improved production techniques of rabi crops	2	1	25								
FW	ONC	CP	Seed Germination Testing	2	1	50								
FW	OFC	CP	Importance of improved variety of kharif crops	1	1	50								
FW	OFC	CP	Importance of improved variety of rabi crops	1	1	25								
FW	ONC	CP	Seed Treatment: Importance & Techniques	1	1	30								
FW	ONC	CP	Seed storage and their methods	1	1	30								
IS	OFC	CP	Different way and methods to improve oil seed production	1	1	30								
FW	OFC	CP	Importance of	2	2	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			quality seed in crop production											
IS	ONC	CP	Productivity enhancement in field crops	1	1	25								
IS	ONC	OTH	Protection of Plant Variety & Farmers Right Authority	1	1	25								
FW	OFC	AEG	Importance of summer deep ploughing	1	1	25								
FW	OFC	AEG	Importance of ridge & furrow method	1	1	25								
IS	OFC	AEG	Rain water management in kharif crops	1	1	25								
FW	OFC	AEG	Improved implements for interculture operations in kharif crops.	1	1	25								
FW	OFC	AEG	Importance of drip irrigation system in horticultural crops	1	1	25								
FW	ONC	AEG	Improved	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			implements for interculture operations in kharif crops.											
IS	OFC	AEG	Use of improved implements for crop production.	1	1	25								
IS	OFC	AEG	Use of improved implements for crop production.	1	1	25								
FW	OFC	AEG	Seedbed preparation techniques by machines	1	1	25								
FW	OFC	AEG	Use of Zero till machine and happy seeder in wheat sowing	1	1	25								
FW	OFC	AEG	Operation and maintenance of harvesting and threshing implements.	1	1	25								
FW	ONC	AEG	Operation and maintenance of harvesting and threshing implements.	1	1	25								
FW	OFC	AEG	Importance of	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			micro-irrigation system											
FW	OFC	AEG	Improved machinery for post harvest operations	1	1	25								
FW	OFC	LPM	Feeding and management of dairy animals in summer	1	1	25								
FW	OFC	LPM	Importance of green fodder in feeding of dairy animals	1	1	25								
FW	ONC	LPM	Important diseases of livestock, their prevention and control	1	1	25								
FW	OFC	LPM	Backyard Poultry farming	1	1	25								
FW	OFC	LPM	Importance of vaccination in large animals	1	1	25								
FW	OFC	LPM	Management of Mastitis in dairy animals	1	1	25								
FW	OFC	LPM	Hygiene management of	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			animal, their houses and it,s product for prevention and control of COVID 19 infection in human											
FW	ONC	LPM	Preparation of balance ration for dairy animals from local available feed ingredients	1	1	25								
FW	OFC	LPM	Importance of artificial insemination in dairy animals	1	1	25								
FW	OFC	LPM	Various methods of green fodder Conservation	1	1	25								
FW	OFC	LPM	Preparation of balance diet for lactating buffaloes and cows	1	1	25								
FW	OFC	LPM	Commercial broiler chicken farming	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	ONC	LPM	Important diseases of animals, their prevention and control	1	1	25								
FW	OFC	LPM	Importance of breed improvement in cattle and buffalo	1	1	25								
FW	OFC	LPM	Important breeds of poultry	1	1	25								
FW	OFC	LPM	Parasites of dairy animals, their prevention and control	1	1	25								
FW	ONC	LPM	Goat farming for migrant labours	1	1	25								
FW	ONC	LPM	Green fodder cultivation technology and its importance in dairy business	1	1	25								
IS	ONC	LPM	Role of livestock in sustainable agriculture (IFS)	1	1	25								
FW	OFC	AGF	Plantation of fodder valuable trees in	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			wastelands											
FW	OFC	AGF	Reclamation of wasteland through silvi-pastures systems.	1	1	25								
IS	OFC	AGF	Control of fruit drops in aonla & jackfruits	1	1	25								
FW	OFC	AGF	Preventive measures & control of mango malformation.	1	1	25								
FW	OFC	AGF	Methods & Importance of drip irrigation system in forest & horti crops	1	1	25								
FW	ONC	AGF	Cultivation methods of bee keeping.	1	1	25								
IS	OFC	AGF	Energy plantation on wasteland.	1	1	25								
IS	OFC	AGF	Control of fruit cracking in pomegranate and guava.	1	1	25								
FW	OFC	AGF	Importance of	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			soil solarization in nursery management.											
FW	OFC	AGF	Enhancement of soil fertility through agroforestry.	1	1	25								
FW	OFC	AGF	Availability of fodder on off seasons.	1	1	25								
IS	ONC	AGF	Ultra High Density in guava.	1	1	25								
FW	OFC	AGF	Importation of NFTs for wastelands.	1	1	25								
FW	OFC	AGF	Pruning practices on ber trees for yield enhancement.	1	1	25								
FW	OFC	AGF	Plantation of timber valuable trees.	1	1	25								
FW	OFC	AGF	Cultivation of fodder valuable leguminous trees.	1	1	25								
FW	OFC	AGF	Importance of MPTs for farmers.	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	OFC	AGF	Organic farming with agroforestry.	1	1	25								
FW	ONC	CBD	Create awareness about various ICT tools	1	1	30								
FW	ONC	CBD	Skill based training on Leasents farmers in agricultural practices	1	1	30								
FW	ONC	CBD	How to disseminate the Agricultural technology through social media	1	1	30								
FW	ONC	CBD	Create awareness about leadership of FPO members	1	1	30								
FW	ONC	CBD	Entrepreneurial development of farmers	1	1	30								
FW	ONC	CBD	Create awareness about SHG Members	1	1	30								
FW	ONC	CBD	Leadership development of	1	1	30								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			farm women											
FW	OFC	CBD	Leadership development about member of custom hiring centre	1	1	30								
FW	OFC	CBD	Leadership development about member of leasents	1	1	30								
FW	OFC	CBD	Create awareness about YMV of pulse crop through Whatsapp Members											
FW	OFC	CBD	Fodder production technology	1	1	30								
FW	OFC	CBD	Create awareness about how to use Agriculture related app	1	1	30								
FW	OFC	CBD	Create awareness about how to use of fertilizer according to soil	1	1	30								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			health card											
FW	OFC	CBD	Create awareness about how to change the attitude of farmers towards use of soil health card recommendation	1	1	30								
IS	ONC	CBD	To aware about agricultural technology through different Agriculture app.	1	1	30								
IS	ONC	CBD	Create awareness about various agricultural information available in digital media	1	1	25								

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
				SC		ST		Others	
				M	F	M	F	M	F
Skill development in seed production of kharif crops	Seed production	Integrated crop management	5						
Skill development in seed production of Rabi crops	Seed production	Integrated crop management	5						
Skill development for cultivation of fodder crops	Fodder Production	Fodder production for feed management	5						
Skill Development course on group dynamics	Group dynamics	Capacity building	5						
Poultry farming for migrant labours	Poultry	Self employment	5						
Sustainable dairy farming in rural area	Dairy	Self employment	5						
Skill development course Precaution to be taken during handling of pesticide during crop various crop protection	Crop	Capacity building	7						
Tractor operator for migrant labour	Farm Machinery	Self employment	05						
Use & Handling of Farm implements	Farm Machinery	Self employment	05						

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Katni	Dairy forming in rural area and it's possibilities	Dairy			
Katni	Management of Goat farm	Goat			

Table 5.5. Sponsored Training Programmes

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Title	Thematic area (as given in abbreviation table)	Sub- theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura- tion (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
Soil Testing Campaign			IS	5	1								
Swachata Abiham			IS	5	1								

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Advisory Services	56										
Agri mobile clinic	125										

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Animal Health Camp	04										
Awareness programme	04										
Celebration of important days	12										
Diagnostic visits	24										
Exhibition	05										
Exposure visits	07										
Extension Literature	12										
Ex-trainees Sammelan	02										
Farm advisory Services	220										
Farm Science Club conveners meet	160										
Farmers Seminar/Workshop	03										
Farmers visit to KVK	225										
Field Day	12										
Film Show	17										
Group meetings	05										
Interface	02										
Kharif/Rabi Sammelan	02										
Kisan Ghosthi	06										
Kisan Mela	02										
Krishi Gyan Doot meet	04										
Krishi Mahotsav	01										
Lectures delivered as resource persons	52										
Mahila Mandals conveners meetings	04										
Method Demonstrations	04										
Newspaper coverage	Mass										
Popular articles	12										

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials				
			M	F	M	F	M	F	Purpose	Topic s	Crop Stages
Pradhanmantri phasal beema yojana	02										
Radio talks	06										
Scientific visit to farmers field	120										
Self Help Group conveners meetings	04										
Soil health Camp	02										
Soil test campaigns	02										
Summer deep ploughing campaigning	02										
Technology Week Celebration	07										
TV talks	04										
Workshop	04										
Others	05										

7. Production and supply of Technological products

7.1 Seed production

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Cereals	Rice							
Cereals	Wheat							
Pulses	Pigeon pea							
Pulses	Chickpea							
Pulses	Lentil							
Oilseed	Soybean							

7.2 Planting Material production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Katni	Vegetable	Tomato									
Katni	Vegetable	Chilli									
Katni	Vegetable	Brinjal									
Katni	Vegetable	Moringa									

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Katni	BIOAGENTS (Azolla)	100			
Katni	BIOFERTILIZERS (vermin)	100			
Katni	BIO PESTICIDES				

7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Katni	Cattle						
Katni	Buffalo						
Katni	Sheep and Goat						
Katni	Poultry						
Katni	Fisheries						
Katni	Others (Specify)						

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES

Year of establishment : 2016

8.1 Details of soil & water samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Katni	Yes	2016	Soil Sample*	900	900	80		

8.2 Details of water samples analyzed so far : NA

Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants			No. of officials		
				Male	Female	Total	Male	Female	Total	Male	Female	Total

10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	Area of Messages	No. of beneficiaries		No of Village Covered	Major recommendations
Katni	52	Crop, Horticulture, Livestock & Others	25000	1200	911	Agriculture & Allied

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations

12. Literature to be Developed/Published (with full title, author & reference)

12.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Katni	April 2020	Quarterly	1000	
Katni	July 2020	Quarterly	1000	

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Katni	October 2020	Quarterly	1000	
Katni	January 2021	Quarterly	1000	

12.2 Details of Electronic Media to be Produced

Type	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
CD	Organic farming		
CD	Production Technology of Sweet Corn		

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper	06				
Technical bulletins	06				
Technical reports	02				
Popular article	12				
News paper coverage	Mass				
Year Planner	01				
Others (pl. specify)	-				

13. Convergence with various agricultural schemes (Central & State sponsored)

Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
ATMA					
MNREGA					
NHM					
Seed Village					
NAIP					
Climate Change					
Others (Plz. Specify)					

14. Utilization of Farmers Hostel. -Nil

Accommodation available (No. of beds):

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)

15. Utilization of Staff Quarters.-Nil

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any

16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Katni	Crop Cafeteria	
Katni	Technology Desk	
Katni	Visitors Gallery	
Katni	Technology Exhibition	
Katni	Technology Gate-Valve	

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Kharif (cereals, pulses, oilseeds and vegetables)	01
2	Rabi(cereals, pulses, oilseeds and vegetables)	01
3	Summer Mung /Urd and vegetable	01

17. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Katni	Smt Uttara Bai	Organic Farming	Nirgua, Katni, 09589660304
2	Katni	Sh. Purushottam Takur-	Hybrid corn and vegetables	Teori, Katni, 9993454508
3	Katni	Sh Manu Narla	Sweet corn/SMI/Sugarcane and Vegetables	Amadi, Katni, 9425650976
4	Katni	Sh. Atthi lal Kushwaha	Hybrid Vegetable production	Majhgawa, Katni 8889552174
5	Katni	Sh Rishi punj	Organic Farming	Tihari, Sleemnabaad, 9039548289
6	Katni	Sh O P Mishra	Organic farming	V rahogarh, 9009339190
7	Katni	Sh Hiramani	Vegetable farming	Banda, 9755660253
8	Katni	Sh Ravindra Kushwaha	Vegetable farming	Pahari, 8305525293
9	Katni	Preetam Kachi	Vegetables	Banda
10	Katni	Lalluram Rajak	Vegetable	Banda

18. KVK interaction with progressive farmers-

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Katni	05	06	105	509

Intensive- OFTS, FLDS etc; **Extensive-** Literatures, Publications, and Awareness programmes etc.

20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
01	Jabalpur	knowledge sharing	Improves KVK's performance
02	Umariya	knowledge sharing	Improves KVK's performance

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Katni	2015-16		

24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals

25. E-CONNECTIVITY (ERNET Lab)

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			
							ERNET lab not established

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of activities	Number of Participants	Related crop/livestock technology
Katni	Gosthies	12		
Katni	Lectures organized	22		
Katni	Exhibition	05		
Katni	Film show	05		
Katni	Fair	02		
Katni	Farm Visit	Mass		
Katni	Diagnostic Practical's	08		
Katni	Distribution of Literature (No.)	Mass		
Katni	Distribution of Seed (q)	As per DF allotted		

Name of KVK	Types of Activities	No. of activities	Number of Participants	Related crop/livestock technology
Katni	Distribution of Planting materials (No.)	20000		
Katni	Bio Product distribution (Kg)	250		
Katni	Bio Fertilizers (q)	3.0		
Katni	Distribution of fingerlings	-		
Katni	Distribution of Livestock specimen (No.)	150		
Katni	Total number of farmers visited the technology week	1200		
Katni	Animal health camp	02		
Katni	Awareness programme	04		
Katni	Cashless Transaction Week	-		
Katni	Celebration of important days (Parthenium eradication week, Swachhata Abhiyan and Soil Health Day, International Women Day, World environment day, World forestry day, World Water Day)	07		
Katni	Demonstration	02		
Katni	Exposure visit	05		
Katni	Extension activity	25		
Katni	Ex-trainees Meet	02		
Katni	Farmer scientist interaction	08		
Katni	Farmers Training	07		
Katni	Field Day	02		
Katni	Field visit	08		
Katni	Gajarghans Unmulan Pakhwada	01		
Katni	Group Meeting	02		
Katni	Hindi diwas pakhwada	01		
Katni	Jai Kisan Jai Vigyan Sangoshthi	01		
Katni	Narmada sewa Yatra	02		
Katni	News Paper/Mass Media	Mass		
Katni	Plant health camp	04		

Name of KVK	Types of Activities	No. of activities	Number of Participants	Related crop/livestock technology
Katni	Plant Protection Week	02		
Katni	Scientists visits in farmers field	Mass		
Katni	Seed treatment campaign	02		
Katni	Self Help Group convener meet	02		
Katni	Soil health Camp	02		
Katni	Swachha Bharat Abhiyan	12		
Katni	Technology Week	07		
Katni	Van Mahotsava	01		
Katni	Others (Pl. Specify)	-		

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
	Katni			

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
1	Katni	Oilseeds		
2	Katni	Pulses		
3	Katni	Cereals		
4	Katni	Vegetable crops		
5	Katni	Tuber crops		
6	Katni	Fruits		
		Total		

Farmers-scientists interaction on livestock management

Sl.No.	Name of KVK	Livestock components	Number of interactions	No.of participants
1	Katni	Dairy Management		
2	Katni	Disease management		
3	Katni	Feed and fodder technology		
4	Katni	Poultry management		

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Katni	02		

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Katni	Tomato	5000		
Katni	Chilli	5000		
Katni	Brinjal	5000		

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers
Katni	Trichoderma	2		

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Katni	Rhizobium	1		
Katni	PSB	1		
Katni	Azotobactor	1		
Katni	BGA	1		

Worms Produced

Name of KVK	Vermes Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers
Katni	Vermicompost	50	5

Awareness Campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Katni	10		06		04		2		2		4	

28. Activities proposed of Satellite Village on Doubling Farmer's Income

Information about Satellite Village

Name of KVK	Block	Village
Katni	Katni	Madai

1. Proposed Activities for Natural Resource Management:-

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
Training on Soil and water conservation techniques	02				
Farm waste management viz., NADEP and Vemicompost	02				

2. Proposed Activities for Crop Diversification:-

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
Cultivation of sesame	01				
Cultivation of cucurbits	01				
Cultivation of tomato	01				

3. Proposed Activities for Crop Production

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks
Cultivation of coriander as a boarder crop in chickpea production	02		
Application of organic insecticide	02		

4. Proposed Activities for Livestock and Fisheries

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
Animal health camp	02				
Distribution of Azolla as Animal feed	01				

5. Proposed Activities for Livelihood Security to small and marginal land holders:-

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
Soy milk production	01				
Training for seed production technology	01				

6. Proposed Activities for Institutional Interventions

Name of intervention undertaken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks

7. Proposed Activities for Capacity Building

Thematic area	No. of Courses	No. of beneficiaries		
		Male	Female	Total
Training on Production technology for Kharif crops	02			
Training on Production technology for Rabi crops	02			
Poultry production techniques	01			
Use and maintenance of farm implements	01			

8. Proposed Extension Activities in Satellite Village

Thematic area	No. of activities	No. of beneficiaries		
		Male	Female	Total
Soil sample collection	02			
Field day/ Field visit	02			

29. Activities proposed in Nutri-Smart Village

Information about Nutri-Smart Village

Name of KVK	Block	Village
Katni	Bahoriband, Katni, Rithi, Vijayraghavgarh, Dhimarkheda ,Badwara	Lingari, Madai, Jamuniya, Haraiyya, Mahner, Lakhakheda

1. Innovative practices to promote nutrition-sensitive agriculture and food security :

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	Quantity (unit)	% change in Nutritional Status	No of beneficiaries
Diversification and intensification of production	Extension activity	Cultivation of tomato and brinjal at backyard	01	10		10
	Extension activity	Establishment of kitchen garden at backyard	01	10		10
Nutrition sensitive livestock and fisheries	Training	Use of Azolla as green fodder for cattle	02	02		50
	Extension activity	Animal Health camp	02	02		75
Biodiversity for food & nutrition including forest produces/ Minor Millets						
Bio-fortification	Training	Improved nutri rich variety of cereals and pulses	02	02		50
Other (Pl. Specify)						

2.Value Chain And Village Trade related Issue:

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	Quantity	% change in Nutritional Status	No of beneficiaries
Demand-supply dynamics and market intelligence by the women.	Training	Food preservation of seasonal fruits and vegetables for income generation	01	01		25
Processing and product development of NTFPs by women.	-	-	-	-	-	-
Food Fortification	Extension activity	Use of moringa as nutritive food in daily diet	02	02		50
Technology adaptation mechanisms for nutritional security.						
Economic empowerment through sustainable income generation among women.	Training	Improved production technology of sweet corn	01	01		30
Other (Pl. Specify)						

3. Improving Maternal and Child Nutrition

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	% change in Nutritional Status	No of beneficiaries
Strategies and programs for improved maternal nutrition-experiences	Extension activity	Workshop with allied department	02		Mass
Community based strategies to enhance and sustain breast feeding practices and promote early childhood development.	Extension activity	Create the awareness through KMA and press coverage	02		Mass
Approaches to improve complementary foods and feeding practices.	-	-	-	-	-
Comprehensive approach to address acute malnutrition in children.	Extension activity	Nutritional literacy by nutrition game snack and ladder	02		50
Improving nutrition among tribal population with community focus on first 1000 days.	Extension activity	Campaign of Water purification and better sanitation practices	02		Mass

4. Nutrition Literacy

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention undertaken	Number of Courses	No of beneficiaries
Nutrition Education and Behaviour	Training	Complete nutrition through preservation	01	30
Micronutrient Supplementation	Training	Use of daily diet Maringa leaves	02	50
Adolescent and Maternal Nutrition	Training	Importance of green leafy	01	30

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention undertaken	Number of Courses	No of beneficiaries
		vegetables in daily diet		
Malnutrition Management Service	Extension Activity	Backyard kitchen garden	01	30
Other (Pl. Specify)				

5. Capacity development of women institutions/ SHGs/ FIGs/FPOs

Area	Name of intervention undertaken	Number of Courses	No of beneficiaries
Human Resource management for women	Formation of women SHGs for income generation	01	30
Capacity development through participatory method	Effective utilization of local food for nutritional security	01	30
Skill development	Food preservation of seasonal fruits and vegetables for income generation	01	30
Other (Pl. Specify)			

6. Enabling Suitable governance and policy

Areas	Name of intervention taken	Numbers under taken	No of Courses	No of beneficiaries
Role of horticulture and Agriculture Engineering in Nutritional Security	Distribution of planting material of vegetable for backyard	02	02	50
Climate Smart agriculture for Nutritional Security	Demonstration of intercropping of vegetables in orchard	01	01	30
Other (Pl. Specify)				

7. Institutional Interventions in Collaboration (through KVK, Anganwadi of other Department) :-

Name of intervention undertaken	No of collaborative Department	No of beneficiaries	Remark
Production techniques for vegetable crops	WCD and ATMA	30	
Value addition of fruits and vegetable	WCD and ATMA	25	

30. Activities Proposed for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village
Katni	Banda	Katni

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Demonstration of tomato hybrid	Tomato	2.0			10
Demonstration of improved production technology of pigeonpea	Pigeonpea	5			10
Demonstration of azolla as animal feed	Azolla	6			06

2. Proposed Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Field Day				
Kisan Mela				
Group meeting				

3. Proposed Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Importance of soil testing in crop production				
Pest & disease management in Pulse crop				
Fodder production technology				
Value addition				
Importance of SHG for income generation				
Importance of IT and mobile gadgets in agriculture information dissemination				

31. Proposal of NICRA (Only NICRA KVKs) -NA

32. Proposed works under NAIP (in NAIP monitoring format)

33. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Katni	30039735675	304481.00	339736.00	339736.00

34. Awards & Recognitions

KVK Name	Name of award /awardees	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received

35. Case study / Success Story to be developed –

Sr. no.	Name of KVK	No. of success stories	No. of case studies
01	Katni	04	02

11. KVK, Mandla

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	11	55			
FLDs – Oilseeds (activity in ha)	10	25			
FLDs – Pulses (activity in ha)	40	100			
FLDs – Cotton (activity in ha)					
FLDs – Other than Oilseed and pulse crops(activity in ha)	8	20			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	3	15			
Training-Farmers and farm women	50	1250			
Training-Rural youths	04	100			
Training- Extension functionaries	04	100			
Extension Activities	80	8000			
Seed Production (Number of activity as seeds in quintal)					
Planting material ((Number of activity as quantity of planting material in quintal)	10000	500			
Seedling Production (Number of activity as number of seedlings in numbers)					
Sapling Production (Number of activity as number of sapling in numbers)					
Other Bio- products (No. of quantity)					
Live stock products					
Activities of Soil and Water Testing Laboratory	500	500			
Rainwater Harvesting System	02				
Kisan Mobile Advisory (KVK-KMA)	48	21300			
SAC Meeting (Date & no. of core/ official members)	02				
Literature to be Developed/Published	35	5000			
Convergence programmes / Sponsored programmes					

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel					
Utilization of Staff Quarters	03	03			
Details of KVK Agro-technological Park	2				
Crop Cafeteria-	1				
Farm Innovators- list of 10 farm innovators from the District					
Status of Revolving Funds					
Awards and Recognitions					
Case study / Success Story to be developed	04				
KVK Progressive Farmers interaction	10				
Outreach of KVK in the District (No. of blocks, no. of villages)	9				
Technology Demonstration under Tribal Sub Plan	10				
KVK Ring					
Important visitors to KVK					
Status of KVK Website					
Status of RTI					
E-connectivity					
Details of Technology Week Celebrations					
Interventions on Drought Mitigation					
Sansad Adarsh Gram					
Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Mandla	16	1	1	6	3	3	2	6	3	16	9

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specilization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Dr. Vishal Meshram	Agril. Ext.	Ph.D.	Agri. Extension	37400-67000+9000	46000	1.02.2019	SC
SMS/ Scientist 1	Dr RP Ahirwar	Soil Science & Agri. Chemistry	Ph.D.	Soil Science & Agri. Chemistry	156000-39100+6000	21600	23.08.2017	SC
SMS/ Scientist 2	Dr. Pranay Bharti	LPM	Ph.D.	LPM	156000-39100+6000	21600	07.09.2017	OBC
SMS/ Scientist 3	*Dr. Deepali Bajpai	Home science	Ph.D	Home science	156000-39100+7000	-	-	-
SMS/ Scientist 4	-	-	-	-	-	-	-	-
SMS/ Scientist 5	-	-	-	-	-	-	-	-
SMS/ Scientist 6	-	-	-	-	-	-	-	-
Programme Assistant	Shri Neel kamal Pandre	Horticulture	Msc	Horticulture	According to 7 th pay commission	54100		
Farm Manager	-	-	-	-	-	-	-	-
Computer Programmer	*Smt. Dipti Dubey	Computer Application	MCA	Computer	According to 7 th pay commission	60900	01.04.2008	Gen
Accountant / superintendent	Sourabh Thakur	Engineering	B.E.	Engineering	According to 7 th pay commission	23300	18-9-2014	Gen
Stenographer	-	-	-	-	-	-	-	-
Driver	*Shri Gajendra singh Dangi	Higher Secondary	12 th	Higher Secondary	According to 7 th pay commission	29600	07.07.2008	OBC
Driver	Shri Rajju Singh Rajput	Higher Secondary	12 th	Higher Secondary	According to 7 th pay commission	28600	08.07.2008	OBC
Supporting staff, if any	-	-	-	-	-	-	-	-
Supporting staff, if any	-	-	-	-	-	-	-	-

*Attached in different unit of V.V.S.

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Agro climatic Zone (Northern Hill of Chhatisgarh).	09	493	10,53,522	68.28 %	SC-41305 ST-511798	111553	3.5 ha

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Mandla	Dungaria	2018-19	Mandla	13	394	95
Mandla	Khuksar	2018-19	Mandla	15	791	185
Mandla	Mudadhehi	2018-19	Mandla	22	672	149

1.4. THRUST AREAS identified by KVK

KVK Name	Thrust area
Mandla	Availability of quality seed through seed production technology and Seed replacement.
Mandla	Crop diversification
Mandla	Rainwater and irrigation management and irrigation methods
Mandla	Integrated nutrient management
Mandla	Integrated pest management
Mandla	Farm mechanization and drudgery reduction
Mandla	Increasing productivity of vegetables
Mandla	Integrated livestock management
Mandla	Development of rural entrepreneurship for income and employment generation like mushroom cultivation
Mandla	Nutritional security at household level and Development of nutritional garden
Mandla	Promotion of organic farming along with balanced nutrition.
Mandla	Value addition of agricultural produces
Mandla	Soil and water conservation
Mandla	Water management
Mandla	Women empowerment through making SHG for income generation

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Mandla	Direct seeding.	Famer field visit, Group discussion	All Blocks of Mandla dist.
Mandla	High weed infestation.	Famer field visit, Group discussion	Mandla, Nainpur
Mandla	Unavailability of quality seed.	Group meeting	Ghughari, Mavai, Bichiya, Niwas, Mandla, Narayan gunj, Mohgoun
Mandla	Poor adoption of agronomical practices and use of improved varieties.	Farmer visit, group discussion	Narayanganj, Ghughari, Mavai, Bichiya, Niwas, Mandla, Nainpur,
Mandla	Lack of knowledge of integrated nutrient management.	Farmer's Training, Famer field visit, Group discussion	Narayanganj, Ghughari, Mavai, Bichiya, Niwas, Mandla, Nainpur
Mandla	Imbalance use of fertilizer	Farmer's Training, Famer field visit, Group discussion	Narayanganj, Ghughari, Mavai, Bichiya, Niwas, Mandla, Nainpur
Mandla	High infestation of yellow vain mosaic	Famer field visit, Group discussion	Mandla Bichiya, Nainpur
Mandla	Low yield of Maize due to stem borer .Indiscriminate use of chemical spray	Famer field visit, Group discussion	Mandla Bichiya, Nainpur
Mandla	Low yield of Gram due to pest complex	Famer field visit, Demonstrations ,Group discussion	Ghughari, Mavai, Bichiya, Niwas, Mandla
Mandla	Poor knowledge & unawareness of value addition & processing.	Famer field visit, Trainings & Demonstrations, Group discussion	All Blocks of Mandla dist.
Mandla	No use of improved implements.	Famer field visit, Demonstrations, Group discussion	All Blocks of Mandla dist.
Mandla	Lack of Knowledge and skill about improved Agril. Implements	Famer field visit, Demonstrations, Group discussion	All Blocks of Mandla dist.
Mandla	Poor income in backyard poultry	Famer field visit, Group discussion	All Blocks of Mandla dist.
Mandla	Low income in Lac cultivation	Farmer's Training, Famer field visit, Group discussion	Naryanganj, Mandla, Nainpur
Mandla	Poor management livestock	Famer field visit, Group discussion	All Blocks of Mandla dist.
Mandla	Lack of rural entrepreneurship for income and employment generation .	Farm women Training, Famer field visit, Group discussion	All Blocks of Mandla dist.
Mandla	Lack of knowledge Nutritional security at household level	Farm women Training Famer field visit, Group discussion,	All Blocks of Mandla dist.
Mandla	Low Milk Production	Farmer's Training, Famer field visit, Group	All Blocks of Mandla dist.

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
		discussion	
Mandla	Open Grazing, Not stall feeding	Farmer's Training, Famer field visit, Group discussion	All Blocks of Mandla dist.

2. On Farm Testing (OFT)

2.1 Information about OFT:

OFT-1

Title of on-farm trial:	Assessment of newly release variety of onion for Kharif season
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Use of local nonproductive varieties
Thematic area:	Varietal improvement
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of local variety
T2 –Recommended Practice-	Use of improved variety AFDR with RDF
T3- Recommended Practice-	Use of improved variety Bheema Super with RDF
Date of sowing:	-
Date of harvesting:	-
Source of technology:	NHRDF-1987, IARI-2014
Characteristics of technology:	Improved variety of kharif onion (AFDR) and Bheema Super with RDF
Name of Crop/Enterprises:	Kharif onion
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-2

Title of on-farm trial:	Assessment for use of growth regulator NAA in bottleguard
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Low (25%) yield due to more male flower (affected area 60-70 %)
Thematic area:	Integrated nutrient management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of growth regulator and proper dose of fertilizers
T2 –Recommended Practice-	Application of growth regulator NAA
T3- Recommended Practice-	T2 + RDF
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IIVR- 2003
Characteristics of technology:	Use of growth regulator NAA (T2) and RDF (T3)
Name of Crop/Enterprises:	Bottle gourd
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-3

Title of on-farm trial:	Assessment of triple disease resistance tomato variety Arka Rakshak
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Disease incidence in cropping season
Thematic area:	VR
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of old and local seed
T2 –Recommended Practice-	Tomato variety Arka Rakshak
T3- Recommended Practice-	T2 + RDF
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IIHR, Bangalore- 2014
Characteristics of technology:	Tomato variety Arka Rakshak (T2) + RDF (T3)
Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	-

Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-4

Title of on-farm trial:	Assessment of new improved variety of marigold
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Farmers are using local or private sector varieties at very high prize
Thematic area:	Varietal reeaplacement
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers are using local variety
T2 –Recommended Practice-	Improved variety Pusa Deep
T3- Recommended Practice-	Improved variety Pusa Bahar
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IARI- 2018
Characteristics of technology:	Improved short duration marigold varieties

Name of Crop/Enterprises:	Marigold
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-5

Title of on-farm trial:	Assessment of Leaf Colour Chart (LCC) for management of nitrogen in rice
Year/Season:	Kharif, 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Nitrogen loss results in low yield of rice due to traditional application method of Nitrogenous fertilizers
Thematic area:	INM
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Assessment	
T1 – Farmers Practice-	Nitrogen application @ 50 kg/ha as basal and at 35-40 DAT
T2 –Recommended Practice-	Use of N @ 40 kg/ha as basal and 40 kg at pre-flowering stage
T3- Recommended Practice-	Use of 20 kg N as basal and based on leaf colour chart (LCC) observation at weekly reading
Date of sowing:	-

Date of harvesting:	-
Source of technology:	OUAT (2008)
Characteristics of technology:	Saving and optimum use of nitrogen
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-6

Title of on-farm trial:	Assessment of integrated nutrient management in Rice under Rice-Chickpea cropping system
Year/Season:	Kharif 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to improper nutrition
Thematic area:	INM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement: Assessment	
T1 – Farmers Practice-	DAP 30 kg/ha and Urea 100 kg/ha
T2 –Recommended Practice-	Fertilizer application based on STV – RDF (120:60:40 + 25kg ZnSO ₄ / ha + Azolla +PSB + Pseudomonas and Trichoderma
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV 2007
Characteristics of technology:	integrated nutrient management in Rice under Rice-Chickpea cropping system
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-7

Title of on-farm trial:	Assessment of Zinc (Zn) Micronutrient Application on Yield of Chickpea (JG 12) in Rice-Chickpea cropping system
Year/Season:	Rabi 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Low yield Chickpea due to Zinc deficiency

Thematic area:	Integrated Nutrient Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Assessment	
T1 – Farmers Practice-	no Application of Zinc (Zn) Micronutrient
T2 –Recommended Practice-	Application of Zinc (Zn) Micronutrient
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IISS, Bhopal, 2008
Characteristics of technology:	20:60:20 kg /ha. + 5 kg /ha. Zn (Based on STV)
Name of Crop/Enterprises:	chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-8

Title of on-farm trial:	Assessment of waste decomposer on decomposition of Rice crop residues.
Year/Season:	Kharif 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Crop Residue Burning Due to Low Rate of Bio recycling of Agricultural Waste Material
Thematic area:	Resource conservation
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment of waste decomposer on decomposition of Rice crop residues.
Details of technology selected for assessment/ refinement: Assessment	
T1 – Farmers Practice-	Traditional Method, recycling of crop residue in open hip or burning
T2 –Recommended Practice-	Waste Decomposer@ 30g/10000 metric tons Crop Residue (Mix 2 kg of jaggery in 200 liter of water in a container and stir well . Open the 30gm bottle and pour the contents of bottle into the solution (avoid direct contact of contents with hands) . Stir the contents of the container and cover it with a paper/cardboard etc and stir it daily once within 4 days the material is ready. the consortium is suitable to be used for composting, foliar spray, in-situ composting and seed treatment).
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	NCOF ,Ghaziabad (UP) 2015
Characteristics of technology:	Waste Decomposer@ 30g/10000 metric tons Crop Residue (Mix 2 kg of jaggery in 200 liter of water in a container and stir well . Open the 30gm bottle and pour the contents of bottle into the solution (avoid direct contact of contents with hands) . Stir the contents of the container and cover it with a paper/cardboard etc and stir it daily once within 4 days the material is ready. the consortium is suitable to be used for composting, foliar spray, in-situ composting and seed treatment).
Name of Crop/Enterprises:	Rice crop
Recommendations for Farmers	

Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-9

Title of on-farm trial:	Assessment of concentrate and mineral mixture supplementation in goat feeding (2nd Year)
Year/Season:	Kharif 2020
Farming situation:	Semi-intensive
Problem diagnosis:	Low growth and less body wt gain
Thematic area:	Animal Feeding Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Assessment	
T1 – Farmers Practice-	Grazing
T2 –Recommended Practice-	Grazing + 100 gm concentrate feed
T3- Recommended Practice-	Grazing + 100 gm concentrate feed + 10 gm Mineral Mixture / day/ animal
Source of technology:	CIRG 2012
Characteristics of technology:	Concentrate have all the nutrients like energy, protein and minerals mixture provide minerals for the proper metabolism for optimum growth and production
Name of Crop/Enterprises:	Goat

Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/animal)	Average Gross Return (Rs/animal)	Average Net Return (Rs/animal)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-10

Title of on-farm trial:	Assessment of use of azolla as protein source for feeding of backyard poultry (1st Year)
Year/Season:	Rabi 2020
Farming situation:	Semi-intensive
Problem diagnosis:	Low growth and less body wt gain
Thematic area:	Poultry Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Assessment	
T1 – Farmers Practice-	Scavenging and foraging in backyard
T2 –Recommended Practice-	T1+ feeding fresh azolla @ 5% -10 % level/day/bird
T3- Recommended Practice-	CARI 2013
Source of technology:	Azolla is an aquatic fern with high biomass and protein content (up to 25% on dry wt basis) and can be helpful for getting better growth rate
Characteristics of technology:	Poultry
Name of Crop/Enterprises:	Scavenging and foraging in backyard

Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-11

Title of on-farm trial:	Assessment of use of free choice mineralised salt lick brick along with use of antihelminths on performance of dairy animal (1st Year)
Year/Season:	Rabi 2020
Farming situation:	Semi-intensive
Problem diagnosis:	Low growth and less body wt gain
Thematic area:	Livestock Production Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Assessment	
T1 – Farmers Practice-	No use of mineral supplementation and dewormer
T2 –Recommended Practice-	T1+ Free choice Mineralised salt lick
T3- Recommended Practice-	T2+ Free choice Mineralised salt lick +Fenbendazole 5 mg/kg bwt.
Source of technology:	CIRB 2014
Characteristics of technology:	mineral are essential nutrients required for metabolism while fenbendazole helps to reduces Gastro-intestinal helminths load and helps in improving production

Name of Crop/Enterprises:	Cattle
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/animal)	Average Gross Return (Rs/animal)	Average Net Return (Rs/animal)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.2. Information about Extension OFT:

Title	
Season & Year	
Problem identified	
Thematic Area	
Farming situation	
Name of Technology under study	
Farmers Practice	
No. of replication (Farmers)	

Results / findings

Performance indicators/ parameters	Unit/ details

2.1 Information about OFT:

Title of on-farm trial:	
Year/Season:	

Farming situation:	
Problem diagnosis:	
Thematic area:	
No of trials:	
No. of farmers involved	
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	
Characteristics of technology:	
Name of Crop/Enterprises:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.2. Information about Extension OFT:

Title	
Season & Year	
Problem identified	
Thematic Area	
Farming situation	
Name of Technology under study	
Farmers Practice	
No. of replication (Farmers)	

Results / findings

Performance indicators/ parameters	Unit/ details

2.3. Information about Home Science OFT:

Title of on-farm trial:	
Year/Season:	
Problem diagnosis:	
Thematic area:	
No of trials:	
No. of farmers/farm women involved	
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
Source of technology:	
Characteristics of technology:	
Name of Crop/Enterprises:	
Farming situation:	

Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Khari f 2020	IDM	Demonstration of 3G cutting with spray Copper oxychloride + validamycin @ 1kg/ha	Vegetable	Tomato	-	Irrigated	-	-	-	-	-	-	-	-	-	

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Rabi 2020-21	ICM	Demonstration of application of soluble fertilizers through drip - fertigation in tomato	Vegetable	Tomato	-	Irrigated	-	-	-	-	-	-	-	-	-	
2020-21	Rabi 2020-21	INM	Demonstration of Balance fertilizer in Wheat production	crop	wheat		Semi irrigated	-	-	-	-	-	-	-	-	-	
2020-21	Rabi 2020-21	Income generation	Demonstration of Vermiculture for rural youth		verms		rainfed	-	-	-	-	-	-	-	-	-	

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of 3D cutting with spray Copper oxychloride + validamycin @ 1kg/ha	Tomato	Fruits/plant Yield/ha B:C ratio % change										
Demonstration of dose of soluble through drip - fertigation fertilizers in tomato	Tomato	Fruits/plant Yield/ha B:C ratio % change										
Demonstration of Balance fertilizer in Wheat production	Wheat	No of Tillers/plant, Yield q/ha, B:C ratio										
Demonstration of Vermiculture for rural youth	Verm	Production kg/pit, B:C ratio										

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop - Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop - Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	Animal Nutrition	Demonstration of	Enterprise	cattle	free choice mineralised	rainfed		06								

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										F P (T ₁)	R P (T ₂)		S C	S T	O t h	G e n	T o t a l
		Management	mineral supplement in cattle with free choice mineralised salt lick choice mineralised salt lick			salt lick											
2020	Kharif	Disease Management	Demonstration on deworming young calves for reduction in incidence of gastro-intestinal tract	Enterprise	calf	Deworming with piperazine 30 ml. per calf up to 6 month age of calf	rainfed		06								

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										F P (T ₁)	R P (T ₂)		SC	ST	Oth	Gen	Total
			disease and calf mortality														
2020	Rabi	Poultry Management	Demonstration on rearing of Kadaknath breed of chicken under backyard system			Kadaknath breed of chicken under backyard system	rainfed		06 (20 birds each)								

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Supplementing mineral supplement in cattle with free choice mineralised salt lick	cattle	Avge milk yield/day/animal (litre) Peak yield (litre/day/animal)										
Demonstration on deworming young calves for reduction in incidence of gastro-intestinal tract disease and calf mortality	calf	Incidence of diarrhea Mortality										
Demonstration on rearing of Kadaknath breed of chicken under backyard system	poultry	Body wt gain at 16 week of age										

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
FW	OFF	Crop Production	Weed Management	Improved Crop Production technology of oilseed in Kharif crops	1	1								
FW	OFF	Crop Production	Resource Conservation Technologies	Improved Crop Production technology of pulses in Kharif crops	1	1								
FW	ON	Crop Production	Cropping Systems	Weed management in Kharif season crops	1	1								
FW	OFF	Crop Production	Crop Diversification	Nutrient Management in Rabi Crops	1	1								
IS	ON	Crop Production	Integrated Farming	IPM in pulse crops	1	1								
FW	OFF	Crop Production	Micro irrigation/irrigation	Role of Bio-fertilizer in agriculture technologies	1	1								
FW	OFF	Crop Production	Seed production	Weed management in Rabi Season Crops	1	1								
FW	OFF	Crop Production	Integrated nutrient Management	Integrated Nutrient Management in Rabi crops	1	1								
FW	ON	Crop Production	nutrient Management	Use and Importance of liquid fertilizer	1	1								
FW	OFF	Crop Production	Weed Management	Improved Crop Production technology of oilseed in Kharif crops	1	1								
FW	ONC	Horticulture (Vegetable Crops)	Production of low volume and high value crops	Production technology of ivy gourd	1	1								
FW	OFC	Horticulture (Vegetable Crops)	Off season vegetables	Off season vegetable production through high tech horticulture.	1	1								
FW	ONC	Horticulture (Vegetable Crops)	Nursery raising	Nursery management for various vegetable crops	1	1								
FW	ONC	Horticulture (Vegetable Crops)	Export potential vegetables	Kharif onion production practices	1	1								

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
FW	ONC	Horticulture (Vegetable Crops)	Protective cultivation	Vegetable cultivation through low tunnel poly house and mulching	1	1								
FW	ONC	Horticulture (Fruits)	Layout and Management of Orchards	Preparation for establishment of new orchard	1	1								
FW	OFC	Horticulture (Fruits)	Cultivation of Fruit	Papaya production technology	1	1								
FW	ONC	Horticulture (Fruits)	Micro irrigation systems of orchards	Importance of drip irrigation system for horticultural crops cultivation	1	1								
FW	ONC	Horticulture (Fruits)	Plant propagation techniques	Nursery management for income generation.	1	1								
FW	OFC	Horticulture (Ornamental Plants)	Others (Pl. Specify)	Scope of floriculture for additional income generation	1	1								
FW	OFC	Horticulture(Tuber crops)	Production and Management technology	Production technology of different tuber crops.	1	1								
FW	ONC	Horticulture(Tuber crops)	Processing and value addition	Ginger and turmeric processing techniques	1	1								
FW	OFC	Horticulture(Tuber crops)	Others (Pl. Specify)	Sweet potato production technology	1	1								
FW	OFC	Horticulture(Spices)	Production and Management technology	Potato production technology	1	1								
FW		Horticulture(Spices)	Processing and value addition	Value addition in seed spices.	1	1								
FW	OFC	Horticulture(Spices)	Others (Pl. Specify)	Leafy coriander production for more income generation	1	1								
FW	ONC	Horticulture(Medicinal and Aromatic Plants)	Post harvest technology and value addition	Value addition technology for medicinal and aromatic crops	1	1								
FW	OFC	Horticulture(	Others (Pl. Specify)	Important locally available medicinal	1	1								

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Medicinal and Aromatic Plants)		plants and its importants.										
FW	ON	Soil Health and Fertility Management	Soil fertility management	Vermicompost Production technology and its importance	2	1								
FW	ON	Soil Health and Fertility Management	Integrated water management	Importance of fertigation	1	1								
FW	OFF	Soil Health and Fertility Management	Soil fertility management	Use and Importance of Green Manure	1	1								
FW	ON	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated Nutrient Management in field crops	1	1								
FW	OFF	Soil Health and Fertility Management	Production and use of organic inputs	Use and multiplication of waste decomposer and its importance	1	1								
FW	OFF	Soil Health and Fertility Management	Management of Problematic soils	Problematic soils Management and soil and Water Conservation	1	1								
FW	ON	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Use and Importance of micro nutrients in crop production	1	1								
FW	OFF	Soil Health and Fertility Management	Nutrient Use Efficiency	Importance of Biofertilizer in crop production	1	1								
FW	OFF	Soil Health and Fertility Management	Balance Use of fertilizer	Use and Importance of Balance Use of fertilizer	2	1								

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
FW	ON	Soil Health and Fertility Management	Soil & water testing	Soil testing and importance of SHC	2	1								
FW	OFF	Soil Health and Fertility Management	Organic Farming	Importance of Organic Farming	1	1								
FW	OFF	Livestock Production and Management	Goat Management	Goat production and management	1	1								
IS	ON	Livestock Production and Management	Feed & fodder technologies	Importance of round the year fodder production for dairy animals	1	1								
FW	OFF	Livestock Production and Management	Animal Nutrition Management	Importance of micro minerals in dairy animals	1	1								
FW	ON	Livestock Production and Management	Disease Management	Vaccination and deworming in livestock	1	1								
FW	OFF	Livestock Production and Management	Disease Management	Prevention and control of ecto and endo parasites in dairy animals	1	1								
FW	OFF	Livestock Production and Management	Dairy Management	Alternative fodder production for dairy animals	1	1								
FW	OFF	Livestock Production and Management	Poultry Management	Poultry management in winter	1	1								
FW	ON	Livestock Production and	Dairy Management	Clean Milk Production	1	1								

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Management												
IS	ON	Livestock Production and Management	Animal Nutrition Management	Economical balanced feeding in dairy buffaloes and cows	1	1								
FW	OFF	Livestock Production and Management	Feed & fodder technologies	Urea enrichment of dry fodder for dairy animals	1	1								
FW	OFF	Livestock Production and Management	Disease Management	Ethno-veterinary practices for mastitis	1	1								
FW	ON	Livestock Production and Management	Breed management	A.I and breed upgradation on nondescript cattle and buffalo	1	1								
FW	ON	Livestock Production and Management	Disease Management	Important diseases of livestock and their management	1	1								
FW	OFF	Livestock Production and Management	Poultry management	Backyard poultry farming	1	1								

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Planting material production	Nursery management and seedlings	01	03								

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
			production of horticultural crops techniques										
RY		Post Harvest Technology	Preservation of fruits and vegetables	01	05								
RY		Protected cultivation of vegetable crops											
RY		Commercial fruit production											
RY		Integrated farming											
RY		Seed production											
RY		Production of organic inputs											
RY		Planting material production											
RY	ONC	Vermi culture	Production technique of vermin compost	1	05								
RY		Production of quality animal products											
RY		Dairying											
RY	ONC	Sheep and goat rearing	Goat farming for source of income generation	01	03								
RY	ONC	Poultry production	Poultry farming for source of	01	05								

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
			income generation										

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
IS		Productivity enhancement in field crops											
IS		Integrated Pest Management	Integrated pest management of winter season horticultural crops	01	01								
IS		Integrated Nutrient management	Importance of Soil testing/ Soil Health Card (SHC)	01	01								
IS		Production and use of organic inputs	Balanced fertilizer management in summer green gram	01	01								
IS		Livestock feed and fodder production	Ration Balancing and Round year fodder production	01	02								
IS		Household food security											
IS		Others (Pl. Specify)											

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Crop production and management	Commercial floriculture													
Crop production and management	Commercial fruit production													
Crop production and management	Commercial vegetable production	Nursery management and seedlings production of horticultural crops techniques	horticultural crops	Nursery management	01									
Crop production and management	Integrated crop management													
Crop production and management	Organic farming	Vermicomposting technology:- A source of income	Vermicompost	Vermicomposting	01									
Crop production and management	Others(Pl. Specify)													
Post harvest technology and value addition	Value addition													
Post harvest technology and value addition	Others(Pl. Specify)													
Livestock and fisheries	Poultry farming	Poultry Production and management	poultry	Low income	02									
Livestock and fisheries	Others(Pl. Specify)													

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
		Crop production and management	Increasing production and productivity of crops													
		Crop production and management	Commercial production of vegetables													
		Crop production and management	Production and value addition													
		Crop production and management	Fruit Plants													
		Crop production and management	Ornamental plants													
		Crop production and management	Spices crops													
		Crop production and management	Soil health and fertility management													
		Crop production and management	Production of Inputs at site													
		Crop production and management	Methods of protective cultivation													
		Crop production and management	Others(Pl. Specify)													
		Post harvest technology and value addition	Processing and value addition													
		Post harvest technology and value addition	Others(Pl. Specify)													
		Farm machinery	Farm machinery, tools and implements													

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
		Farm machinery	Others(Pl. Specify)													
		Livestock and fisheries	Livestock production and management													
		Livestock and fisheries	Animal Nutrition Management													
		Livestock and fisheries	Animal Disease Management													
		Livestock and fisheries	Fisheries Nutrition													
		Livestock and fisheries	Fisheries Management													
		Livestock and fisheries	Others(Pl. Specify)													
		Home Science	Household nutritional security													
		Home Science	Economic empowerment of women													
		Home Science	Drudgery reduction of women													
		Home Science	Others(Pl. Specify)													
		Agricultural Extension	Capacity Building and Group Dynamics													
		Agricultural Extension	Others(Pl. Specify)													

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Mandla	Mandla Organic seed production & Organic	PGS Group			

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
	production certification				
Mandla	Technique of Mushroom Production	Mushroom unit			
Mandla	Backyard poultry farming	Backyard poultry			

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
IPM Oil Seed & pulse crops	Crop Production Rabi	Crop Production Rabi	IS	1											
Method of controlling weeds by chemical in Paddy	Crop Production Kharif	Crop Production Kharif	IS	1											
Importance of round the year fodder production for dairy animals	Livestock feed and fodder production	Livestock feed and fodder production	IS	1											
Importance of Soil testing/ Soil Health Card (SHC)	Soil Science	Soil Science	IS	1											

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
Balanced fertilizer management in summer green gram	Soil Science	Soil Science	IS	1											

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan2020-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	02	
Design and development of low/minimum cost diet	-	
Designing and development for high nutrient efficiency diet	-	
Minimization of nutrient loss in processing	-	
Processing and cooking	01	
Gender mainstreaming through SHGs	02	
Storage loss minimization techniques	-	
Value addition	02	
Women empowerment	01	
Location specific drudgery reduction technologies	-	
Rural Crafts	-	
Women and child care	01	
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture		

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2019	
	Courses	Participants
Crop Production	06	
Horticulture	08	
Soil Health and Fertility Management	08	
Livestock Production and Management	08	
Agril. Engineering	01	
Plant Protection	02	
Fisheries	00	
Production of Input at site	01	
Capacity Building and Group Dynamics	01	
Agro forestry	01	

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic	-												
Animal Health Camp	02												
Awareness programme	04												
Celebration of important days	06												
Diagnostic visits	30												
Exhibition	10												
Exposure visits	04												
Ex-trainees Sammelan	04												
Farm advisory Services	48												
Farmers visit to KVK	-												
Field Day	08												
Group meetings	12												
Kisan Ghosthi/Sammelan	20												
Kisan Mela	04												
Krishi Mahotsav	-												
Lectures delivered as resource persons	As per need												
Mahila Mandals conveners meetings	04												
Method Demonstrations	16												
Pradhanmantri phasal beema yojana	-												
Scientific visit to farmers field	60												
Self Help Group conveners meetings	05												
Soil health Camp	02												
Soil test campaigns	04												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials				
			M	F	M	F	M	F	M	F	Purpose	Topics	Crop Stages
Technology Week	02												
Radio talks	-												
Extension literature	10												
TV talks	-												
Newspaper coverage	40												
Film Show	20												
Others	-												

Mass media used for wide publicity

Name of media	Number of events	Name of channel/Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	-			
TV talks				
Newspaper coverage	40	Dainik bhaskar, patrika, nai dunia		
Internet (Youtube)	12			
Social media (Whats App, Facebook, Instagram, Twitter etc.)	40	whatsaap		

7. Literature Developed/Published

7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
Mandla	January to March 2020	Q1	1000	1000	Farmer, District/block/Panchayat Official
Mandla	April to June 2020	Q2	1000	1000	Farmer, District/block/Panchayat Official
Mandla	July to September 2020	Q3	1000	1000	Farmer, District/block/Panchayat Official
Mandla	October to December 2020	Q4	1000	1000	Farmer, District/block/Panchayat Official

7.2 Literature developed/published

KVK Name	Type	Number of copies (please don't give mass please fill number only)
Mandla	Abstract	
Mandla	Book	
Mandla	Book Chapter	
Mandla	Booklet	04
Mandla	Leaflets/ Folder/ Pamphlet	06
Mandla	Popular article	20
Mandla	Technical Bulletin	02
Mandla	Training Manual	03
Mandla	Technical Report	
Mandla	Year Planner	
Mandla	Others (pl. specify)	

Research paper /Review paper published during Jan to Dec. 2020

Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number

8. Production and supply of Technological products**8.1 SEED production**

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Mandla	Vegetable	Brinjal, Tomato, Chilli, Cabage, Cauliflower Flower	-	10000			

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

* Name of product should follow same pattern

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost	200000	-			
	Azolla	200	-			
	Earthworms	24				
	Compost					
	Blue green algae					
	NADEP					
	Sanjeevani Khad					
	Acetobacter					
	Aspergillus					
	Azotobacter					
	Azospirillum					
	Phosphate solubilizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					
Bio-Food	Spirulina					
	Honey					
	Any Other (pl. sp.)					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Pesticides	Neem extract					
	Neem powder					
	Tobacco extract					
	Trichoderma viride					
	Trichoderma harjinum					
	Trichogramma chilonis					
	Beauveria bassiana					
	Metarhizium anisopliae					
	Pseudomonas fluorescens					
	SINPV					
	HaNPV					
	GF1					
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea					
	Tricho card					
	Any other (Pl. Specify)					
Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis					
	Epiricania melanolauca					
Bio Agents(Worms)	Assinia foetida					
	Eudrilus eugeniae					
	Euclnia Uginiae					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Eisenia foetida					
	Earth worm					
	Biodigester	2000				
Others	Mushroom spawn					
	Mineral Mixture					
	Cow dung (dry)					
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow	Gir	Milk	liter	2000		
	Calves	Gir	calf	no	02		
	Goats	Jamunapari	kid	no	02		
	Buffaloes						
	Sheep						
	Breeding bull						
	Other (pl specify)						
Poultry	Poultry	kadaknath	chicks	no	120		
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
	Other						
Piggery	Piglets						
	Boar						

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Fisheries	Sow						
	Other (pl specify)						
	Indian carp						
	Exotic carp						
	Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villag es cover ed	Amou nt realiz ed	Soil health card distributed to the farmers by KVK (Nos)	
	Sanc tion ed	Procu red	Collecte d by KVKs	Provide d by Dept./ DDA	Mini Soil Testing kit	Soil testing laborator y	By Depart ment	Mini Soil Testing kit	Soil testing laborat ory	By Depart ment			Through Mini Soil Testing kit	Through Soil testing laborato ry
Y, 2016	02	02												

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
	Conservation of rainwater	PF										

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Mandla	02	01			

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
	Techniques of micro-irrigation system	Farmers										

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Mandla	Jan-Dec	2020				

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Mandla	2015	2015	03	03	-

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Mandla			

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Mandla				

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology		8			
		Integrated Farming		2			
		Field Preparation		3			
		Any Other (Specify)					
2	Weather	Advisory		2			
		Change in variety		1			
		Change in Sowing technique		2			
		Climate forecast		2			
		Any Other (Specify)					
3	Soil Management	Soil Testing		4			
		INM		2			
		Fertilizer Application		2			
		Vermicomposting/ bio-waste		1			

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		recycling					
		Bio-fertilizer		1			
		Any Other (Specify)					
4	Disease & Pest Management	Disease Management		2			
		Pest Management		3			
		Preventive Advisory Disease Management		2			
		Preventive Advisory Pest Management		1			
		Bio-pesticides		2			
		Any Other (Specify)					
5	Nutrition Security & Women Empowerment	Nutrition Awareness		1			
		Kitchen garden		1			
		Value Addition and Processing					
		Drudgery Reduction					
		Entrepreneurship & Income Generation					
		Advisory					
		Any Other (Specify)					
6	Horticulture	Vegetable		1			
		Fruit		1			
		Hi Tech Horticulture					
		Any Other (Specify)					
7	Livestock	Feed and Fodder		2			
		Dairy Management		4			
		Fisheries					
		Poultry Management		2			

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Vaccination & Disease management		2			
		Any Other(Specify)					
8	Farm Mechanization						
9	Extension						
10	Organic Farming						
11	Marketing						
12	Awareness						
13	Other Enterprise						
14	Any Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Mandla	Pradhan Mantri Fasal Beema Yojna	Central	Nil	Group metting, training, Exhibition	Agriculture Farmers	-
Mandla	ATMA	Central	Nil	Demonstration, Training, Farmers Field School	Agriculture Farmers	-
Mandla	Pradhanmantri Sinchai Yojna	Central	Nil	Training, Group discussion	Agriculture Farmers	-
Mandla	Soil Health Card	Central	Nil	Training, Group discussion, Mela	Agriculture Farmers	-
Mandla	Organic Farming- Paramparagat Kheti	State	Nil	Group metting, training, Exhibition	Agriculture Farmers	-

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/National)	Awarding Organizations	Amount received

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
1000	Cereals	Paddy	PS-1,PS-5, Tarori Basmati, IR-64, IR-36, JR -201, Mahamaya, JR-81, JRH-5 MTU-1010, MTU 1081, Bamleshwari, Shamleshwari,, WGL-32100	MTU-1010, JR-81
	Pulse	Green Gram – Black Gram	Green Gram – Ganga-8, JM- 721, TN-99-37, Samrat Black Gram PDU-4, LBG-20, T-9, PU-35 Pigeon pea - TJT-501	Green Gram – Ganga-8, Samrat Black Gram LBG-20,

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
		Pigeon pea-		PU-35 Pigeon pea- TJT-501
	Oilseed	Niger	Niger – JNC-1, JNC-9	JNC-9
	Cereals	Wheat-	HI-8498, GW-273, JW -2004, JW -3173, JW-3020, JW-3269, JW -3211, JW-17, Sujata, GW-366, GW-322, MP 1202, MP 1203, DBW-110, HD-2864, LOK-1, JW-3382, HI-1544, HD-2932, HD-2967, HI-1531 GW-3288	GW-322, JW-3288,
	Pulse	Gram	JG-226, JG-218, JG-130, JG-315, JG-11, JG-74, JGK-3, JGG-1, JG-12, JG-14, RVG-203, RVG-202, JG-63, JG-16, JAKI-9218	JG-12, JG-14
	Oilseed	Line seed Mustered	Line seed JL-27, JL-9, PKDL-41 Mustered- JM-2, Pusa –Agrani, Arpan, Urwasi, JM-3, RP-09, Laxmi, Bharat-1, Pusa Tarak, RVM-2, Pusa Jaikisan	Line seed JL-27, Mustered- , Urwashi, Laxmi

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1	Mandla	Shri Lakshman kumar Hardaha	Drip irrigation in vegetable cultivation	Bamhani Mandla	
2	Mandla	Amrit lal dhangar	Integrated farming	Bamhani mandla	
3	Mandla	Smt. Lakshmi Bhawre	Organic producer and value addition	Mandla	
4	Mandla	Shri Shiv Thakur	Hydro Power operated water pump	Village- Alipur, Block_ Nainpur , Mobile No- 9424902131	
5	Mandla	Shri Sunil Namdeo	Integrated Farming System (Best Farmers award 2016 received Rs. 25000/-)	Village- Bichhiya, Block- Bichhiya, Mobile No.- 9425417209	9425417209
6	Mandla	Shri Lalit Kewat	Fishery Tank (Cost Rs. 6 lakh)	Village –Chabi, Block- Mohgaon Mob- 8989899415	8989899415
7	Mandla	Shri Lalit Kewat	Organic Paddy (Production 70 qt., Local	Village –Chabi, Block- Mohgaon	8989899415

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
			Scented Variety Chhindi Kapoor)	Mob- 8989899415	
8	Mandla	Shri Amritlal Dhangar	Sowing Implements seed adjustment	village- Bamhani Banjar, Tehsil- Mandla, district- Mandla Mob- 9301777894	9301777894
9	Mandla	Shri Anil kumar Maravi	IFS Model	Village- Mohgaon chak, P.O.Box- Pondi, Tehsil- Mandla, district- Mandla, Mob. No- 9669527344	9669527344
10	Mandla	Shri Asadu lal barmaiya	Task of producing fish pond own land whose waters Hayter produced 1.00. Common carp were produced 30.00 million	Village- Tharka Tehsil- Mandla, district- Mandla Mob. No- 9644801416	9644801416

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Mandla	25-01-2020	12
Mandla	07-02-2020	08
Mandla	26-02-2020	11
Mandla	16-03-2019	10

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Mandla	9	1243	9	9	38	1023

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*
Mandla							

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Mandla	Dindori				
Mandla	Jabalpur				

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Mandla	Hon'ble Shri Faggan singh Kulaste, Central Minister of state	11.02.2020	-	-	Central Minister of state	
Mandla	Dr. G K Kotu	19.02.2020	-	Dean, Coll of Ag Balaghat, JNKVV		

28. Status of KVK Website during Jan to Dec. 2019

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
1	Mandla	April 2011	http://jnkvv.org/JNKVV_EXTENSION/EXTENSION_KVK_Index.aspx?CC=2020		
2	Mandla	October 2015 (On NIC Server)	http://www.kvkmandlajnkvv.nic.in/		

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Mandla	Gosthies	08		
Mandla	Lectures organized	08		
Mandla	Exhibition	02		
Mandla	Film show	05		
Mandla	Fair			
Mandla	Farm/ Field Visit	06		
Mandla	Diagnostic Practical's			
Mandla	Distribution of Literature (No.)	200		
Mandla	Distribution of Seed (q)			
Mandla	Distribution of Planting materials (No.)	2000		
Mandla	Bio Product distribution (Kg)	200		
Mandla	Distribution of Bio Fertilizers (q)	1000		
Mandla	Distribution of fingerlings			
Mandla	Distribution of Livestock specimen (No.)			
Mandla	Total number of farmers visited the technology week			
Mandla	Animal health camp	01		
Mandla	Awareness programme	04		
Mandla	Demonstration	02		
Mandla	Exposure visit	02		
Mandla	Ex-trainees Meet	02		

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Mandla	Farmer scientist interaction	04		
Mandla	Farmers Training	08		
Mandla	Gajarghans Unmulan Pakhwada	04		
Mandla	Group Meeting	08		
Mandla	Jai Kisan Jai Vigyan Sangoshthi			
Mandla	Plant Protection Week	01		
Mandla	Seed treatment campaign	06		
Mandla	Self Help Group convener meet	04		
Mandla	Soil health Camp	02		
Mandla	Swachha Bharat Abhiyan	15		
Mandla	Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Mandla	A. Delay onset of Manson by 15 days 1. Transplanting of Paddy variety MTU -1010 2. Line sowing of Maize variety HPQM-1 3. Line sowing of Pigeon pea variety TJT-501	Paddy variety MTU -1010 Maize variety HPQM-1 Pigeon pea variety TJT-501		

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants
Mandla	Breeding	02	
Mandla	Feeding	02	
Mandla	Housing	02	
Mandla	Health	02	

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Mandla	02		

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Saplings				
Mandla	Brinjal, Tomato, Chilli, Cabage, Cauliflower	5000		

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Mandla	Vermicompost	20000		

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	List of resource conservation technologies introduced	Area (ha)	Number of farmers
Mandla	Paddy	MTU1010	SRI in Paddy	800	3200
Mandla	Pigeon Pea	TJT501	SPI in Pigeon Pea	200	1500

Awareness campaign

Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

38. Activities for Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies

12. KVK, Narsinghpur

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	17	315			
FLDs – Oilseeds (activity in ha)					
FLDs – Pulses (activity in ha)					
FLDs – Cotton (activity in ha)					
FLDs – Other than Oilseed and pulse crops(activity in ha)					
FLDs – Other than Crops (activity in no. of Unit/Enterprise)					
Training-Farmers and farm women					
Training-Rural youths					
Training- Extension functionaries					
Extension Activities					
Seed Production (Number of activity as seeds in quintal)					
Planting material ((Number of activity as quantity of planting material in quintal)					
Seedling Production (Number of activity as number of seedlings in numbers)					
Sapling Production (Number of activity as number of sapling in numbers)					
Other Bio- products (No. of quantity)					
Live stock products					
Activities of Soil and Water Testing Laboratory					
Rainwater Harvesting System					
Kisan Mobile Advisory (KVK-KMA)					
SAC Meeting (Date & no. of core/ official members)					
Literature to be Developed/Published					
Convergence programmes / Sponsored programmes					

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel					
Utilization of Staff Quarters					
Details of KVK Agro-technological Park					
Crop Cafeteria-					
Farm Innovators- list of 10 farm innovators from the District					
Status of Revolving Funds					
Awards and Recognitions					
Case study / Success Story to be developed					
KVK Progressive Farmers interaction					
Outreach of KVK in the District (No. of blocks, no. of villages)					
Technology Demonstration under Tribal Sub Plan					
KVK Ring					
Important visitors to KVK					
Status of KVK Website					
Status of RTI					
E-connectivity					
Details of Technology Week Celebrations					
Interventions on Drought Mitigation					
Sansad Adarsh Gram					
Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

KVK Name	Sanctioned	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
	Posts	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Narsinghpur	16	1	1	6	6	3	2	6	3	16	12

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Permanent/Temporary	Category
Programme Coordinator/ Senior Scientist & Head	Dr. K.V.Sahare	Extension Education	Ph.D	Extension Education	37400-67000	46400	01-02-2019	Permanent	SC
Subject Matter Specialist1/ Scientist	Dr. Aashutosh Sharma	Agro Forestry	Ph.D	Agro Forestry	15600-39100	33540	25-01-2007	Permanent	Others
Subject Matter Specialist1/ Scientist	Dr. Prashant Shrivastava	Agriculture Engineering	Ph.D	Ag. Engineering	15600-39100	32640	24-01-2007	Permanent	Others
Subject Matter Specialist1/ Scientist	Dr.S.R.Sharma	Plant Protection	Ph.D	Plant Protection	15600-39100	33540	13-02-2007	Permanent	Others
Subject Matter Specialist1/ Scientist	Dr. Abha Mishra	Plant Protection	Ph.D	Plant Pathology	15600-39100	30590	21-10-2011	Permanent	Others
Subject Matter Specialist1/ Scientist	Smt. Neerja Patel	Agriculture Extension	M.Sc.+ NET	Agriculture Extension	15600-39100		25-08-2014	Permanent	OBC
Subject Matter Specialist1/ Scientist	Smt. Nidhi Verma	Agronomy	M.Sc.+ NET	Agronomy	15600-39100			Permanent	
Programme Assistant	Dr Pooja Chaturvedi	Home Science	Ph.D.	Home Science	9300-34800	13500	29-01-2019	Permanent	Others

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Permanent/Temporary	Category
Programme Assistant	Smt. Rajni Prabha Kori	Computer Application	MCA	Computer Application	9300-34800	60900	04-04-2008	Permanent	SC
Stenographer	Vacant	-	-	-	-	-	-	-	-
Driver	Shri Shatrughan Verma	-	Higher Sec.	-	5200-20200	27000	05-07-2008	Permanent	OBC
Driver	Sh. Rajkumar Vishwakarma	-	Higher Sec.	-	5200-20200	27000	05-07-2008	Permanent	OBC
Supporting staff	Shri Ravi Vishwakarma	-	Higher Sec.	-	4440-7440	22800	05-11-2006	Permanent	OBC
Supporting staff	Vacant	-	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No. of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Narsinghpur	Central Narmada Valley	6	457	9,57,646	77.12 %	16.13 % SC 13.17% ST	1,21,018	2.54 ha

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Narsinghpur	Bhama	2019	Gotegaon	55	517	
Narsinghpur	Barureva	2019	Narsinghpur	12	522	

1.4. THRUST AREAS identified by KVK

KVK Name	Thrust area
Narsinghpur	Resource Conservation & Management
Narsinghpur	Integrated Nutrient Management
Narsinghpur	Varietal Assessment
Narsinghpur	Crop Diversification

KVK Name	Thrust area
Narsinghpur	Integrated Pest Management
Narsinghpur	Women in Agriculture
Narsinghpur	Farmers Innovation
Narsinghpur	Integrated Farm Machinery
Narsinghpur	Information & communication technology
Narsinghpur	Integrated Crop Management
Narsinghpur	Agro-forestry

1.5. Problem identified by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Narsinghpur	Lack of suitable location specific varieties of soybean, pigeon pea, black gram & green gram having resistant/tolerant against prevailing biotic and biotic stresses.	PRA, Group Discussion	Barkheda Simariya Nawalgaon Ranipipariya in Narsinghpur & Barpaani Pipariya Khurpa Jaitpur Gangayi Machwara in Gotegaon
Narsinghpur	Incidence of soybean, girdle beetle, stems fly, green semi-looper, Sugarcane- Stem borer and pyrilla, pod borer infestation in chickpea and pigeon pea.	PRA, Group Discussion	
Narsinghpur	Imbalance and inadequate use of fertilizers in cereals, oilseeds, pulses and vegetables	PRA, Group Discussion	
Narsinghpur	Less or no use of organic inputs	PRA, Group Discussion	
Narsinghpur	Severe weed infestation in direct seeded rice	PRA, Group Discussion	
Narsinghpur	Wasteland remains unutilized	PRA, Group Discussion	
Narsinghpur	Yellow mosaic in green gram , black gram and soybean	PRA, Group Discussion	
Narsinghpur	Gram pod borer infestation in chickpea and borer complex in infestation in arhar.	PRA, Group Discussion	
Narsinghpur	High seedling mortality in vegetable crops	PRA, Group Discussion	
Narsinghpur	Low plant population in soybean in arhar and gram.	PRA, Group Discussion	
Narsinghpur	Low organic matter and low sulphur and zinc content in soil	PRA, Group Discussion	

2. On Farm Testing (OFT)

2.1 Information about OFT:

OFT-1

Title of on-farm trial:	Assessment of IDM Practices including potash in the management of Charcoal rot of Soybean
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Charcoal rot disease of Soybean
Thematic area:	IDM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of potash
T2 –Recommended Practice-	30 kg /ha. K ₂ O
T3- Recommended Practice-	40 kg /ha. K ₂ O
Date of sowing:	
Date of harvesting:	
Source of technology:	GBPUAT pantnagar
Characteristics of technology:	
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT-2

Title of on-farm trial:	Assessment of Trichoderma & Psuesomonas against wilt disease of Tomato
Year/Season:	2020-21

Farming situation:	Irrigated
Problem diagnosis:	Wilt disease of Tomato
Thematic area:	IDM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of bio agents
T2 –Recommended Practice-	Use of Trichoderma @ 5kg/ha for soil treatment
T3- Recommended Practice-	Use of Psuesomonas @5kg/ha for soil treatment
Date of sowing:	
Date of harvesting:	
Source of technology:	IIVR Banarasi
Characteristics of technology:	
Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT-3

Title of on-farm trial:	Assessment of IPM practices (Jawahar verticidium) against Leaf Curl (viral) disease of chilli
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Leaf Curl (viral) disease of chilli
Thematic area:	IPM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of chloropyriphos
T2 –Recommended Practice-	Use of Imidachlopid @150mi/ha + rouging
T3- Recommended Practice-	Use of Thiomethaxym @150mi/ha+ rouging
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV Jabalpur
Characteristics of technology:	
Name of Crop/Enterprises:	Chilli
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT-4

Title of on-farm trial:	Assessment of Napier grass
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Unavailability of fodder
Thematic area:	AGF
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	

Source of technology:	
Characteristics of technology:	
Name of Crop/Enterprises:	Napier grass
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT-5

Title of on-farm trial:	Assessment of Bamboo based cropping system in waste land area
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Unavailability of Bamboo
Thematic area:	AGF
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	
Characteristics of technology:	
Name of Crop/Enterprises:	Bamboo
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT-6

Title of on-farm trial:	Assessment of improved variety of Rice with green manuring in wheat based cropping system
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yields of rice due to use of old and long duration varieties and imbalance use of biofertilizer
Thematic area:	Varietal Replacement
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers practice (Kranti 132 days)
T2 –Recommended Practice-	Improved Variety JR 81(110-115 days)
T3- Recommended Practice-	Improved Variety JR 206(110-115 days)
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, 2018/2019
Characteristics of technology:	Duration 110-115 days, yield 55-60q/ha Resistant
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT-7

Title of on-farm trial:	Assessment of Niger variety JNS 28/30 Wheat-Moong cropping system
Year/Season:	2020-21
Farming situation:	Rainfed
Problem diagnosis:	No profitable options are available in rainfed areas in kharif season
Thematic area:	Crop diversification

No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers practice (soybean / green gram)
T2 –Recommended Practice-	Improved variety JNS 30/28+ Biofertilizer 10 g/kg Azatobactor, 8 g/kg Trichoderma and 10 g/kg PSB
T3- Recommended Practice-	Improved variety + Sowing method (Line sowing)
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV 2017/2018
Characteristics of technology:	Short duration (95-100), yield 5-6 q/ha, oil content -40 % resistance to leaf spot
Name of Crop/Enterprises:	Niger
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT-8

Title of on-farm trial:	Assessment of Molybdenum inoculation in gram
Year/Season:	2020-21
Farming situation:	Rainfed
Problem diagnosis:	No profitable options are available in kharif season
Thematic area:	Crop diversification
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	T1: Farmers practice (Soybean)
T2 –Recommended Practice-	T2: Sorghum hybrid CSH-16 (105 days)

T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV 2009
Characteristics of technology:	
Name of Crop/Enterprises:	Sorghum
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT-9

Title of on-farm trial:	Assessment of Molybdenum inoculation in gram
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Poor nodulation in gram resulted in stunted growth and low yield in gram
Thematic area:	INM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	T1: Farmers practice (No Mo inoculation)
T2 –Recommended Practice-	T2: T1 + Rhizobium @ 10 g/kg seed
T3- Recommended Practice-	T3: T2 + Mo inoculation @ 1 g / kg seed
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV 2009
Characteristics of technology:	
Name of Crop/Enterprises:	Biofertilizer and Micronurient

Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT-10

Title of on-farm trial:	Assessment of Sugarcane new variety CO JN 9505
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	
Thematic area:	Varietal replacement
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Co-JN-86032
T2 –Recommended Practice-	Improved variety COJN-9505
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV 2018
Characteristics of technology:	
Name of Crop/Enterprises:	Sugarcane
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT-11

Title of on-farm trial:	Assessment of heat tolerant wheat variety MP 3336 under rice –Wheat cropping system
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yields of rice due to use of old variety JW 322 and long duration varieties and imbalance use of Biofertilizer
Thematic area:	Varietal replacement
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Sole crop
T2 –Recommended Practice-	Sugarcane + Gram JG 14 (1:2 intercrop)
T3- Recommended Practice-	Sugarcane + wheat MP 3336 (1:2 intercrop)
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV 2011/2015
Characteristics of technology:	It matures in 118 days, bold grain, good appearance and high protein content. It has resistant to rust and suitable for irrigated condition of Madhya Pradesh. Yield potential is 53 q/ha.
Name of Crop/Enterprises:	Wheat/gram
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.2. Information about Extension OFT:

OFT-1

Title	Assessment on Effective Use of different information Source for Production technology of Sugarcane
Season & Year	2020-21
Problem	Lack of timely dissemination of agricultural messages. Lack of timely available solutions of the problems. Lack of interaction b/w farmers & Scientists
Thematic Area	ICT
Name of Technology	What's app
Source of Technology (Year)	2015
Farmers Practice (T_1)	Traditional Information Sources (Friends, Neighbour)
Assessed Rec. Practice (T_2)	Use Printed literature of Sugarcane Production Technology
Refined practice, if Any (T_3)	Use of electronic media (What's app) for Sugarcane Production technology information
Variety	--
No. of Trials (Replication)	120
Parameter*	Data on the parameter
	Knowledge Change
	Adoption of Share Technology
	Information reliability
	Timeliness
	Extent of utilization of information

OFT-2

Title	Assessment of adoption level towards Soil Health Card (SHC) in farming community
Crop / Enterprise	
Season & Year	2020-21 (Year Round)
Problem	Poor knowledge about SHC and their importance
Thematic Area	TOT
Farmers Practices (FP)	Farmers use blanket & un appropriate use of SHC recommendation
Detail of Technology selected for Assessment (RP)	T1: Un appropriate use of SHC T2 Use of SHC based recommendation
No. of Village	10
No. of Farmers (Replication)	120
Parameters	• Adoption level • Knowledge level • Perception • Constraints • Feedback

2.3. Information about Home Science OFT:
OFT (For Nutritional security)

Title of on-farm trial:	Assessment of pond silt for vegetable production for migrated labour
Year/Season:	2019
Name of Block	Narsinghpur
Name of Nutri Smart Village	Bhama
Category (Children (0-5 Year)/Adolescent Girls/Women)	Women
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	Anaemic
Causes for malnutrition	Low yield due to high rate of input and labour cost
Title of Technical intervention/ OFT	
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Income generation
No of trials:	05

No. of farmers/farm women involved:	05
Name of Variety/Technology/Enterprises	Quinova
Details of technology selected for assessment:	
T1 – Farmers Practice-	Nursery planting
T2 –Recommended Practice-	Cement bags + Vegetables
Source of technology:	JNKVV
Characteristics of technology:	
Name of Crop/Enterprises:	vegetables
Farming situation:	Irrigated
Date of sowing:	-
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	As above
Feedback	-

Home Science OFT: (For Nutritional security through value addition)

Title of on-farm trial:	Assessment of Drumstick(Moringa oleifera) dry leaf powder with jaggery as daily supplements for anaemic adolescent girls for migrant labour
Year/Season:	2019
Name of Block	Gotegaon
Name of Nutri Smart Village	Bhama
Category (Children (0-5 Year)/Adolescent Girls/Women)	Adolescent Girls
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	Anemic
Causes for malnutrition	Lack of knowledge regarding nutritive value of moringa leaf.
Title of Technical intervention/ OFT	Assessment of Drumstick(Moringa oleifera) dry leaf powder with jaggery as daily supplements for anaemic adolescent girls.
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Nutritional security
No of trials:	05
No. of farmers/farm women involved:	05

Name of Variety/Technology/Enterprises	Moringa oleifera
Details of technology selected for assessment:	
T1 – Farmers Practice-	No use of drumstick leaf powder in diet.
T2 –Recommended Practice-	Dry drumstick leaf powder with jaggery @15 gm/day recommended as daily diet supplements for three months .Fresh mature green drumstick leaves were cleaned , dried (in shadow).
Source of technology:	IARI
Characteristics of technology:	Dry drumstick leaf powder with jaggery @15 gm/day recommended as daily diet supplements for three months .Fresh mature green drumstick leaves were cleaned , dried (in shadow) and dried.
Name of Crop/Enterprises:	Dry drumstick leaf powder with jaggery.
Farming situation:	All season
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Home Science OFT: (For Nutritional security through value addition)

Title of on-farm trial:	Assessment the effectiveness of Therapeutic Powder (T.F.) among malnourished children for landless and migrant labour
Year/Season:	2020
Name of Block	Narsinghpur
Name of Nutri Smart Village	Jaitpur
Category (Children (0-5 Year)/Adolescent Girls/Women)	Children (0-5 Year)
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	Underweight/
Causes for malnutrition	Nutrient deficiency
Title of Technical intervention/ OFT	Assessment the effectiveness of Therapeutic Powder (T.F.) among malnourished children.
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	Value addition

No of trials:	05
No. of farmers/farm women involved:	05
Name of Variety/Technology/Enterprises	Therapeutic powder(T.F.)
Details of technology selected for assessment:	
T1 – Farmers Practice-	No consumption of any nutritious food in their daily diet.
T2 –Recommended Practice-	T.F. Recommended 20 gm/day
Source of technology:	-
Characteristics of technology:	T.F. Consist peanut powder, milk powder, sugar powder and til, which is high in protein ,calorie ,carbohydrate and iron.
Name of Crop/Enterprises:	Therapeutic powder(T.F.)
Recommendations	-
Recommendations for Deptt. Personnel	-
Feedback	-

Home Science OFT: Other enterprise (income generation, Drudgery reduction etc)

Title of on-farm trial:	Assessment of pro super bags for safe storage of Wheat and gram
Year/Season:	Rabi-2010-21, 1st Year
Name of Block	Gotegaon
Name of Nutri Smart Village	Bhama
Category (Children (0-5 Year)/Adolescent Girls/Women)	-
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	-
Causes for malnutrition	-
Title of Technical intervention/ OFT	Assessment of pro super bags for safe storage of Wheat and gram
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	PHM(Post harvest management)
No of trials:	05
No. of farmers/farm women involved:	05
Name of Variety/Technology/Enterprises	Use of Pro super bag for storage of wheat and gram
Details of technology selected for assessment:	

T1 – Farmers Practice-	Use of Pro super bag for storage of wheat and gram
Characteristics of technology:	Capacity-40 kg/bag Double layered air tight storage bags
Name of Crop/Enterprises:	Enterprises:
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: ~.....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated /semi-irrigated)	Completed/Ongoing	Crop Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Kharif	ICM	Demonstration on Eucalyptus plantation under Agri-silvi system		Eucalyptus clones		Irrigated		2.0								
2020-21	Kharif	ICM	Demonstration on Guava under Agri-	Fruit	Guava		Irrigated		2.0								

Year	Season	Them atic area	Technology demonstra ted	Crop Catego ry	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated /semi-irrigated)	Completed/O ngoing	Cro p- Are a (ha)	Results (q/ha)		% chan ge	No. of farmers				
										FP (T 1)	R P (T 2)		SC	ST	Oth	Gen	Total
			horti system														
2020 -21	Summ er	IDM	Demonstra tion on IDM practices against Cercospora leaf spot and yellow vein mosaic virus	Cereal	Green gram		Irrigated		5.0								
2020 -21	Kharif	IDM	Demonstra tion on manageme nt of false smut of paddy	Cereal	paddy		Irrigated		5.0								
2020 -21	Kharif	IDM	Demonstra tion on manageme nt of Root knot nematode	Vegeta ble	Brinjal		Irrigated		5.0								

Year	Season	Them atic area	Technology demonstra ted	Crop Catego ry	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated /semi-irrigated)	Completed/O ngoing	Cro p- Are a (ha)	Results (q/ha)		% chan ge	No. of farmers				
										FP (T 1)	R P (T 2)		SC	ST	Oth	Gen	Total
			in vegetable crops specially in Brinjal														
2020 -21	Kharif	VA	Variety+ Biofertilizer (Trichoder mma)	Pulses	Soyabe an	JS 2069	Irrigated		5.0								

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Tech nology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth ers	Gene ral	Total
Nil																	

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Nil												

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Tech nology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
Nil																	

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Nil												

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
Nil																	

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Nil												

3.9 Information about Home Science FLDs - (For All Thematic Area)

year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Rabi	Nutritional security	Kitchen Gardening	Spinach, Fenugreek ,Peas, Tomato , Bottlegourd, Coriander ,Okra ,Egg plant, Beet root, Pumpkin, Radish	Hybrids									10
2020	Rabi	Income generation	HVY Sugar 75 sweet corn (green cobs) for income generation of farm women.	Sweet corn	Sweet corn-sugar 75									10
2020	Rabi	Income generation	Green sweet pea var. PSM-3 cultivation for income generation of farm women	Sweet pea	Sweet Pea-PSM-3									10
2020	Rabi	Income generation	cultivation of marigold on vegetables field bund for farm women	Marigold	Pusa bahar Pusa deep									10

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Narsinghpur	Pigeon Pea Tomato Paddy Soybean Gram Wheat Summer Mung	Trainings Field Days Krishak Sangosthi	15 07 02	450 221 153	

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	Narsinghpur	Vegetables	Tomato, Brinjal, Bottlegourd, Bittergourd, Cucumber etc.	Firm	10	

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F&FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Other	
							M	F	M	F	M	F	M	F
F & FW		Crop Production	Weed Management		1	1								
F & FW	ONC	Crop Production	Resource Conservation Technologies	Importance of Deep ploughing in Summer	1	1								
F & FW	OFC	Crop Production	Resource Conservation Technologies	Paddy production technique & SRI system	1	1								
F & FW	OFC	Crop Production	Resource Conservation Technologies	System of Mustard intensification	1									
F & FW	OFC	Crop Production	Resource Conservation Technologies	Soybean production technology with UBF & ridge furrow technique	1									

Category (F&FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Other	
							M	F	M	F	M	F	M	F
F & FW	OFC	Crop Production	Cropping Systems	Important of Intercropping with pulses crop	1	1								
F & FW	OFC	Crop Production	Integrated Farming	Importance of crop diversification	1	1								
F & FW	OFC	Crop Production	Micro irrigation/irrigation	-	1	1								
F & FW	ONC	Crop Production	Seed production	Production Technology of Sorghum	1	1								
F & FW	ONC	Crop Production	Seed production	Wheat production technology under MKTY	1	1								
F & FW	OFC	Crop Production	Seed production	Production technology of Summer Green gram	1									
F & FW	OFC	Crop Production	Seed production	Improved Production Technology of Pigeon pea	1	1								
F & FW	OFC	Crop Production	Seed production	Production technology of Chickpea	1	1								
F & FW	OFC	Crop Production	Seed production	Production technology of Linseed	1	1								
F & FW	OFC	Crop Production	Seed production	Improved cultivation of Green gram	1	1								
F & FW	OFC	Crop Production	Seed production	Pulse production technique in summer	1	1								
F & FW	OFC	Crop Production	Seed production	Production technology of Wheat	1	1								
F & FW	OFC	Crop Production	Nursery management		1	1								
F & FW	OFC	Crop Production	Integrated Crop Management	Integrated crop management in chickpea	1	1								
F & FW	OFC	Crop Production	Integrated Crop	Integrated crop management	1	1								

Category (F&FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Other	
							M	F	M	F	M	F	M	F
			Management	in oilseed crops										
F & FW	OFC	Crop Production	Integrated Crop Management	Integrated weed Management of Rabi crops	1	1								
F & FW	OFC	Crop Production	Soil & water conservation	Importance of green Manuring in kharif crops	1	1								
F & FW	ONC	Crop Production	Integrated nutrient Management	Integrated Nutrient management in chickpea	1	1								
F & FW	OFC	Crop Production	Production of organic inputs	Importance of Biofertilizers	1	1								
F & FW	ONC	Horticulture (Vegetable Crops)	Protective cultivation	Protective cultivation	1	1								
F & FW	ONC	Horticulture (Fruits)	Micro irrigation systems of orchards	Micro irrigation systems of orchards	1	1								
F & FW	OFC	Soil Health and Fertility Management	Integrated Nutrient Management	INM in Kharif & Rabi crops	2	2								
F & FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Balance Use of fertilizer in crops	2	2								
		Soil Health and Fertility Management	Soil & water testing											
F & FW	OFC	Soil Health and Fertility Management	Organic Farming	Organic Farming & its importance	2	2								
F & FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and	food security by kitchen gardening and nutrition gardening	1	1								

Category (F&FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Other	
							M	F	M	F	M	F	M	F
			nutrition gardening											
F & FW	OFC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Development of low/minimum cost diet	1	1								
F & FW	ONC	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	development for high nutrient efficiency diet	1	1								
F & FW	OFC	Home Science/Women empowerment	Minimization of nutrient loss in processing	Minimization of nutrient loss in processing	1	1								
F & FW	OFC	Home Science/Women empowerment	Processing & cooking	Processing & cooking	1	1								
F & FW	OFC	Home Science/Women empowerment	Gender mainstreaming through SHGs	Gender mainstreaming through SHGs	1	1								
F & FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques	Storage loss minimization techniques	1	1								
F & FW	ONC	Home Science/Women empowerment	Value addition	Value addition of fruits & vegetables	1	1								
F & FW	OFC	Home Science/Women empowerment	Women empowerment	Women empowerment through agriculture	1	1								
F & FW	OFC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Drudgery reduction technologies	1	1								
F & FW	ONC	Home	Rural Crafts	Rural Crafts making	1	1								

Category (F&FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Other	
							M	F	M	F	M	F	M	F
		Science/Women empowerment												
F & FW	OFC	Home Science/Women empowerment	Women and child care	Importance of Women and child care	1	1								
F & FW	OFC/ ONC	Plant Protection	Integrated Pest Management	IPM in Kharif & Rabi crops /vegetables	5	5								
F & FW	OFC/ ONC	Plant Protection	Integrated Disease Management	IDM in Kharif & Rabi crops/vegetables	5	5								
F & FW	OFC	Plant Protection	Bio control of pests and diseases	Bio control of pests and diseases in crops	2	2								
F & FW	OFC	Plant Protection	Production of bio control agents and bio pesticides	Production of bio control agents and bio pesticides	2	2								
F & FW	OFC	Plant Protection		Pest management in storage	2	2								
F & FW	OFC	Capacity Building and Group Dynamics	Leadership development	Leadership development	1	1								
F & FW	OFC	Capacity Building and Group Dynamics	Group dynamics	Group dynamics through FPOs/SHGs	1	1								
F & FW	OFC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Formation and Management of SHGs	1	1								
F & FW	OFC	Capacity Building and Group Dynamics	Mobilization of social capital	Mobilization of social capital	1	1								
F & FW	OFC		Entrepreneurial development of	Entrepreneurial development of farmers/youths	1	1								

Category (F&FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Other	
							M	F	M	F	M	F	M	F
			farmers/youths											
		Capacity Building and Group Dynamics	Others (Pl. Specify)											
F & FW	OFC	Agro forestry	Production technologies	Production technologies of forestry crops	2	2								
F & FW	OFC	Agro forestry	Nursery management	Nursery management of forestry crops	1	1								
F & FW	OFC	Agro forestry	Integrated Farming Systems	Integrated Farming Systems & its importance	1	1								
F & FW	OFC	Agro forestry	-	System of Pigeon pea intensification	1	1								
F & FW	OFC	Agro forestry	-	Planning of fruit orchards	1	1								
F & FW	OFC	Agro forestry	-	Planning for eucalyptus based planting system	1	1								
F & FW	OFC	Agro forestry	-	Khamer and bamboo plantation	1	1								
F & FW	OFC	Agro forestry	-	Planting geometry of fruit and timber plantation	1	1								
F & FW	OFC	Agro forestry	-	Canopy architecture of fruit plantation	1	1								
F & FW	OFC	Agro forestry	-	Aftercare of plants during rainy season	1	1								
F & FW	OFC	Agro forestry	-	Aftercare of plants after planting	1	1								
		Agro forestry	Others (Pl. Specify)											

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Vermi culture	Use organic fertilizer for increasing farmer income	1	5								
RY		Mushroom Production	Mushroom Production	1	5								
RY		Value addition	Value addition in fruits and vegetable crops	1	5								
RY		Small scale processing	Processing of fruits and vegetable crops	1	5								

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
IS	ONC	Integrated Pest Management	Integrated Pest Management	1	1								
IS	ONC	Integrated Nutrient management	Integrated Nutrient Management	1	1								
IS	ONC	Gender mainstreaming through SHGs	Gender mainstreaming through SHGs	1	1								
IS	ONC	Women and Child care	Women and Child care	1	1								
IS	ONC	Capacity building for ICT application	Capacity building for ICT application	1	1								

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Crop production and management	Organic farming	Organic farming			1	8								
Post harvest technology and value addition	Value addition	Value addition in fruits and vegetables			1	8								
Income generation activities	Mushroom cultivation	Mushroom cultivation			1	8								

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
FW/FW		Crop production and management	Increasing production and productivity of crops	Increasing production and productivity of crops	1	1										
FW/FW		Crop production and management	Production and value addition	Production and value addition of fruits & vegetable	1	1										
FW/FW		Crop production and management	Soil health and fertility management	Soil health management	1	1										
FW/FW		Home Science	Household nutritional security	Household Nutritional security	1	1										

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Narsinghpur					

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
Nil															

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	1	20
Design and development of low/minimum cost diet	1	20
Designing and development for high nutrient efficiency diet	1	20
Minimization of nutrient loss in processing	1	20
Processing and cooking	1	20
Gender mainstreaming through SHGs	1	20
Storage loss minimization techniques	1	20
Value addition	1	20
Women empowerment	1	20
Location specific drudgery reduction technologies	1	20
Rural Crafts	1	20
Women and child care	1	20
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	1	20

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Crop Production	5	100
Horticulture	5	100
Soil Health and Fertility Management	4	80
Livestock Production and Management	2	50
Agril. Engineering	-	-
Plant Protection	10	200
Fisheries	-	-
Production of Input at site	2	40
Capacity Building and Group Dynamics	4	80
Agro forestry	6	120

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic	-												
Animal Health Camp	2												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Awareness programme	10												
Celebration of important days	10												
Diagnostic visits	10												
Exhibition	5												
Exposure visits	5												
Ex-trainees Sammelan	2												
Farm advisory Services	12												
Farmers visit to KVK	500												
Field Day	6												
Group meetings	2												
Kisan Ghosthi/Sammelana	5												
Kisan Mela	2												
Krishi Mahotsav	-												
Lectures delivered as resource persons	10												
Mahila Mandals conveners meetings	1												
Method Demonstrations	5												
Pradhanmantri phasal beema yojana	2												
Scientific visit to farmers field	20												
Self Help Group conveners meetings	2												
Soil health Camp	2												
Soil test campaigns	2												
Technology Week	2												
Radio talks	-												
Extension literature	5												
TV talks	-												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials				
			M	F	M	F	M	F	M	F	Purpose	Topics	Crop Stages
Newspaper coverage	20												
Film Show	5												
Others													

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	-			
TV talks	-			
Newspaper coverage	20			Regional
Internet (Youtube)	2			
Social media (Whats App, Facebook, Instagram, Twitter etc.)	25			

7. Literature Developed/Published

7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
Narsinghpur	January to March 2020	Q1	1000		
	April to June 2020	Q2	1000		
	July to September 2020	Q3	1000		
	October to December 2020	Q4	1000		

7.2 Literature developed/published

KVK Name	Type	Number of copies (please don't give mass please fill number only)
Narsinghpur	Abstract	5
Narsinghpur	Book	-

KVK Name	Type	Number of copies (please don't give mass please fill number only)
Narsinghpur	Book Chapter	2
Narsinghpur	Booklet	2
Narsinghpur	Leaflets/ Folder/ Pamphlet	2
Narsinghpur	Popular article	5
Narsinghpur	Technical Bulletin	2
Narsinghpur	Training Manual	-
Narsinghpur	Technical Report	2
Narsinghpur	Year Planner	1
Narsinghpur	Others (pl. specify)	

Research paper /Review paper published during Jan to Dec. 2020

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
Narsinghpur					

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Narsinghpur			

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Narsinghpur							

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Narsinghpur							

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost	5000		35000		
	Azolla					
	Earthworms	20		10000		
	Compost					
	Blue green algae					
	NADEP					
	Sanjeevani Khad					
	Acetobacter					
	Aspergillus					
	Azotobacter					
	Azospirillum					
	Phosphate solubilizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					
Bio-Food	Spirulina					
	Honey					
	Any Other (pl. sp.)					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Pesticides	Neem extract					
	Neem powder					
	Tobacco extract					
	Trichoderma viride					
	Trichoderma harjinum					
	Trichogramma chilonis					
	Beauveria bassiana					
	Metarhizium anisopliae					
	Pseudomonas fluorescens					
	SINPV					
	HaNPV					
	GF1					
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea					
	Tricho card					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Any other (Pl. Specify)					
Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis					
	Epiricania melanolauca					
Bio Agents(Worms)	Assinia foetida					
	Eudrilus eugeniae					
	Euclnia Uginae					
	Eisenia foetida					
	Earth worm	20		10000		
	Any other (pl. specify)					
Others	Mushroom spawn					
	Mineral Mixture					
	Cow dung (dry)					
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow	—	—	—	—	—	—
	Calves	—	—	—	—	—	—
	Goats	—	—	—	—	—	—
	Buffaloes	—	—	—	—	—	—
	Sheep	—	—	—	—	—	—
	Breeding bull	—	—	—	—	—	—
	Other (pl specify)	—	—	—	—	—	—

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Poultry	Poultry	—	—	—	—	—	—
	Japanese quail	—	—	—	—	—	—
	Japanese quail eggs	—	—	—	—	—	—
	Ducks	—	—	—	—	—	—
	Turkey	—	—	—	—	—	—
	Other	—	—	—	—	—	—
Piggery	Piglets	—	—	—	—	—	—
	Boar	—	—	—	—	—	—
	Sow	—	—	—	—	—	—
	Other (pl specify)	—	—	—	—	—	—
Fisheries	Indian carp	—	—	—	—	—	—
	Exotic carp	—	—	—	—	—	—
	Other (pl specify)	—	—	—	—	—	—

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
			Collect ed by KVKs	Provide d by Dept./ DDA	Mini Soil Testin g kit	Soil testing laborator y	By Departme nt	Mini Soil Testin g kit	Soil testing laborator y	By Departme nt			Throug h Mini Soil Testing kit	Through Soil testing laboratory
Running	2	2	100	500										

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Narsinghpur					

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants									
					SC		ST		Other		General		Total	
					Male	Female	Male	Female	Male	Female	Male	Female		
Narsinghpur		Rainwater Harvesting		2										50

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Narsinghpur	2			500	20

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
	Micro irrigation		2									50

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Narsinghpur						

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Narsinghpur					

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Narsinghpur		2	

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Narsinghpur	1500	100	20	1620

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology		2	37500	1075	1075
		Integrated Farming		1	-	-	-
		Field Preparation		2	-	-	-
		Any Other (Specify)			-	-	-
2	Weather	Advisory		1	-	-	-
		Change in variety		2	-	-	-
		Change in Sowing technique		2	-	-	-
		Climate forecast		1	-	-	-

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Any Other (Specify)			-	-	-
3	Soil Management	Soil Testing		2	-	-	-
		INM		2	-	-	-
		Fertilizer Application		2	-	-	-
		Vermicomposting/ bio-waste recycling		1	-	-	-
		Bio-fertilizer		1	-	-	-
		Any Other (Specify)			-	-	-
4	Disease & Pest Management	Disease Management		2	-	-	-
		Pest Management		2	-	-	-
		Preventive Advisory Disease Management		2	-	-	-
		Preventive Advisory Pest Management		2	-	-	-
		Bio-pesticides		1	-	-	-
		Any Other (Specify)			-	-	-
5	Nutrition Security & Women Empowerment	Nutrition Awareness		1	-	-	-
		Kitchen garden		1	-	-	-
		Value Addition and Processing		1	-	-	-
		Drudgery Reduction		1	-	-	-
		Entrepreneurship & Income Generation		1	-	-	-
		Advisory			-	-	-
		Any Other (Specify)			-	-	-
6	Horticulture	Vegetable		1	-	-	-
		Fruit		1	-	-	-

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Hi Tech Horticulture		2	-	-	-
		Any Other (Specify)			-	-	-
7	Livestock	Feed and Fodder		1	-	-	-
		Dairy Management		1	-	-	-
		Fisheries			-	-	-
		Poultry Management		1	-	-	-
		Vaccination & Disease management		1	-	-	-
		Any Other(Specify)			-	-	-
8	Farm Mechanization			2	-	-	-
9	Extension			1	-	-	-
10	Organic Farming			2	-	-	-
11	Marketing			2	-	-	-
12	Awareness			2	-	-	-
13	Other Enterprise						
14	Any Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Narsinghpur						

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Narsinghpur		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Narsinghpur				

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/ National)	Awarding Organizations	Amount received
Narsinghpur					

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive

Intensive- OFTS, FLDS etc; **Extensive-** Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation *

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Narsinghpur					

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Narsinghpur						

28. Status of KVK Website during Jan to Dec. 2020

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Narsinghpur	Gosthies	2	150	Kharif & Rabi Crops/livestock/Horticulture
Narsinghpur	Lectures organized	5	150	
Narsinghpur	Exhibition	2	150	
Narsinghpur	Film show	1	50	
Narsinghpur	Fair	1	100	
Narsinghpur	Farm/ Field Visit	10	500	
Narsinghpur	Diagnostic Practical's	2	20	
Narsinghpur	Distribution of Literature (No.)	5	100	
Narsinghpur	Distribution of Seed (q)	5	100	
Narsinghpur	Distribution of Planting materials (No.)	1	50	
Narsinghpur	Bio Product distribution (Kg)	1	20	
Narsinghpur	Distribution of Bio Fertilizers (q)	1	50	
Narsinghpur	Distribution of fingerlings	0	0	
Narsinghpur	Distribution of Livestock specimen (No.)	0	0	
Narsinghpur	Total number of farmers visited the technology week	2	100	
Narsinghpur	Animal health camp	1	50	
Narsinghpur	Awareness programme	1	50	
Narsinghpur	Demonstration	1	50	
Narsinghpur	Exposure visit	1	30	
Narsinghpur	Ex-trainees Meet	1	25	
Narsinghpur	Farmer scientist interaction	1	50	

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Narsinghpur	Farmers Training	1	50	
Narsinghpur	Gajarghans Unmulan Pakhwada	1	50	
Narsinghpur	Group Meeting	1	50	
Narsinghpur	Jai Kisan Jai Vigyan Sangoshthi	1	50	
Narsinghpur	Plant Protection Week	1	50	
Narsinghpur	Seed treatment campaign	1	50	
Narsinghpur	Self Help Group convener meet	1	50	
Narsinghpur	Soil health Camp	1	50	
Narsinghpur	Swachha Bharat Abhiyan	1	50	
	Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Narsinghpur	1		

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Saplings				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

38. Activities for Sansad Adarsh Gram
Information about Sansad Adarsh Gram

Name of KVK	Block	Village
Narsinghpur		

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies

13. KVK, Panna

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	15	120			
FLDs – Oilseeds (activity in ha)	20 ha	50			
FLDs – Pulses (activity in ha)	60 ha	150			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	22 ha	60			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	2	20			
Training-Farmers and farm women	60	1700			
Training-Rural youths	7	150			
Training- Extension functionaries	7	150			
Extension Activities	144	10,000			
Seed Production (Number of activity as seeds in quintal)	35 ha	80			
Planting material ((Number of activity as quantity of planting material in quintal)	20	10			
Seedling Production (Number of activity as number of seedlings in numbers)	60000	500			
Sapling Production (Number of activity as number of sapling in numbers)	200	45			
Other Bio- products (No. of quantity)	10 q	200			
Live stock products					
Activities of Soil and Water Testing Laboratory	500	500			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	48	70,000			
SAC Meeting (Date & no. of core/ official members)	1	25			
Literature to be Developed/Published	6	5000			
Convergence programmes / Sponsored programmes	10	500			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel	15	-			
Utilization of Staff Quarters	6	6			
Details of KVK Agro-technological Park	19	2000			
Crop Cafeteria-	2	2000			
Farm Innovators- list of 10 farm innovators from the District	2	100			
Status of Revolving Funds	-	-			
Awards and Recognitions	1	1			
Case study / Success Story to be developed	2	Mass			
KVK Progressive Farmers interaction	2	100			
Outreach of KVK in the District (No. of blocks, no. of villages)	5/25	5000			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	3	3			
Important visitors to KVK	10	-			
Status of KVK Website	2	-			
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	1	500			
Interventions on Drought Mitigation	10	250			
Sansad Adarsh Gram	3	150			
Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Panna	16	1	1	6	3	3	2	6	3	16	9

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Dr. H.S. Rai (Attached at CoA, Tikamgarh)	Entomlogy	Ph.D.	Entomlogy	37400- 67000 + 9000 AGP	68220/- 6 th CPC	02.04.1988	OBC
SMS/ Scientist 1	Dr. Ashish Kumar Tripathi (Working as I/c KVK)	Plant Pathology	Ph.D.	Plant Pathology	15600-39100 + 7000 AGP	35830/- 6 th CPC	24.01.2007	Others
SMS/ Scientist 2	Dr. Ritesh Kumar Jaiswal	Plant Pathology	Ph.D.	Plant Pathology	15600-39100 + 6000 AGP	30600/- 6 th CPC	13.10.2011	Others
SMS/ Scientist 3	Dr. Ranvijay Pratap Singh	Horticulture	Ph.D.	Horticulture	15600-39100 + 6000 AGP	21600/- 6 th CPC	18.08.2017	Others
SMS/ Scientist 4	Vacant	-	-	-	-	-	-	-
SMS/ Scientist 5	Vacant	-	-	-	-	-	-	-
SMS/ Scientist 6	Vacant	-	-	-	-	-	-	-
Technical Assistant	Sri Dharmendra Prakash Singh	Agronomy	M. Sc.	Agronomy	9300-34800 + 4200 AGP	49500/- 7 th CPC	02.03.2013	Others
Programme Assistant	Sri Ritesh Bagora	Soil Science & Agril. Chemistry	M. Sc.	Soil Science & Agril. Chemistry	9300-34800 + 4200 AGP	42700/- 7 th CPC	01.02.2019	Others
Farm Manager	Vacant	-	-	-	-	-	-	-
Accountant / superintendent	Sri H.H.S. Yadav	Arts	M. A.	Political Science	5200-20100 + 2800 AGP	38600/- 7 th CPC	08.08.2002	OBC
Stenographer	Sri Deshraj Prajapati	Science (Math)	12 th	Mathematics	5200-20200 + 2400 AGP	25300/- 7 th CPC	26.03.2018	OBC
Driver	Sri Narmada Prasad Sahu	Arts	BA	Arts	5200- 20100 +1900 AGP	27000/- 7 th CPC	08.07.2008	OBC
Driver	Vacant	-	-	-	-	-	-	-
Supporting staff, if any	Vacant	-	-	-	-	-	-	-
Supporting staff, if any	Vacant	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Panna	Kymore Plateau and Satpura Hills	05	395	10,16,250	69 %	2,74,387	170342	21143

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Panna	Gukhor	2016	Panna	42	3375	510
Panna	Mangrela Khurd	2019	Gunore	48	1157	116
Panna	Patha	2019	Ajaygarh	40	2378	276
Panna	Richhi	2020	Pawai	80	893	82
Panna	Shahour Khurd	2019	Shahnagar	110	1098	123

1.4. THRUST AREAS identified by KVK

KVK Name	Thrust area
Panna	Sustainable crop production through improved package of practices.
Panna	Integrated pest and disease management.
Panna	Breed improvement
Panna	Soil water conservation and watershed management.
Panna	Development and promotion of crop diversification and alternate land use system.
Panna	west land development
Panna	Empowerment of farm women and youth for improving livelihood through income generating activities and reduction in drudgery.
Panna	Diversification of agro-horticulture based multi-tier cropping system for enhancing income of farmers.
Panna	Increasing income form agriculture produce through production, processing, value addition and marketing.
Panna	awareness about stray grazing
Panna	increase in cropping intensity
Panna	Introduction and popularization of high yielding location specific varieties.
Panna	Cattle and Buffaloes breed improvement
Panna	Feeding management
Panna	Reproductive management

KVK Name	Thrust area
Panna	Introduction of improve breed of poultry in back yard and semi intensive system
Panna	calves management and Heifer management
	Goat management
Panna	Alternate livelihood support system for marginal, landless labour and farmwomen through backyard poultry, goatry, mushroom etc.
Panna	Alternate livelihood support along with alleviation of malnutrition problem.

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Panna	Low yield of rice due to traditional cultivation practices	Through PRA tools and Discussion with the group of farmers, farm women and rural youth.	Village - Gukhour, Block - Panna Village - Janwar, Block – Panna
Panna	Low yield of rice due to occurrence of Blast, BLB and False smut diseases		
Panna	Low yield of soybean due to heavy infestation of weeds, yellow mosaic virus disease		
Panna	Low yield of Sesame due to cultivation of old variety and <i>Phytophthora</i> blight disease		
Panna	Low yield of pigeon pea due to traditional cultivation practices		
Panna	Low yield of pigeon pea due to traditional cultivation practices		
Panna	Low yield of Mustard due to traditional cultivation practices		
Panna	Low yield of wheat due to traditional cultivation practices		
Panna	Low yield of chick pea due to collar rot, wilt and dry root rot diseases		
Panna	Low income per unit area due to unutilized land between trees		
Panna	Low yield of field pea due to cultivation of old variety		
Panna	Low yield of lentil due to frost injury and wilt disease		
Panna	Low yield of potato due to heavy incidence of late blight disease		
Panna	Low yield and poor quality of tomato due to blossom end rot disease		
Panna	Less availability of quality green fodder		
Panna	Low income per unit area due to unutilized land between trees		

2. On Farm Testing (OFT)

2.1 Information about OFT:

OFT-1: Crop Production

Title of on-farm trial:	Assessment of Improve variety of Soybean (JS 2034)
Year/Season:	2020 Kharif
Farming situation:	Rainfed
Problem diagnosis:	Low yield of soybean due to old variety
Thematic area:	Improve variety
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety of Soybean (JS 9560)
T2 –Recommended Practice-	Improve variety of Soybean (JS 2034)
T3- Recommended Practice-	-
Date of sowing:	1-7 July 2020
Date of harvesting:	1-10 Oct 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	High yielding (18-20 q/ha, Disease resistant, Short duration)
Name of Crop/Enterprises:	Soybean (JS 2034)
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-2: Crop Production

Title of on-farm trial:	Assessment of Improved variety of Pigeonpea (Pusa 16) under RF Situation.
Year/Season:	2020 Kharif
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to old variety (Mixed seed of JKM7 and TJT 501)
Thematic area:	Improve variety
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	old variety (Mixed seed of JKM7 and TJT 501) with poor management
T2 –Recommended Practice-	Improved variety of Pigeonpea (Pusa 16)
T3- Recommended Practice-	-
Date of sowing:	1-7 July 2020
Date of harvesting:	15-20 December 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	
Name of Crop/Enterprises:	Pigeonpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-3: Crop Production

Title of on-farm trial:	Assessment of improved Wheat of Variety (MP-1202 or MP - 1203) for late sowing condition under Rice-Wheat cropping system.
Year/Season:	2020 Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield
Thematic area:	RM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Local Variety
T2 –Recommended Practice-	Improved irrigated late sown (MP-1202 or MP - 1203) test.
T3- Recommended Practice-	
Date of sowing:	1-5 December 2020
Date of harvesting:	1-5 April 2021
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	

Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-4: Soil science

Title of on-farm trial:	Assessment of Integrated nutrient management in Blackgram crop
Year/Season:	2020 Kharif (II Year)
Farming situation:	Rainfed
Problem diagnosis:	Low yield of Blackgram due to imbalanced use of fertilizers
Thematic area:	INM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	DAP 30-40 kg/ha
T2 –Recommended Practice-	NPK 20:60:20/ha
T3- Recommended Practice-	75% of RDF + Biofertilizer as soil application and seed treatment
Date of sowing:	1-15 th July 2020
Date of harvesting:	1-15 th October 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	INM in Blackgram crop
Name of Crop/Enterprises:	Blackgram

Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-5 : Soil Science

Title of on-farm trial:	Assessment of Integrated approach for fertilizer management in sesame crop
Year/Season:	2020 Kharif (II Year)
Farming situation:	Rainfed
Problem diagnosis:	Low yield of sesame due to imbalanced use of fertilizers
Thematic area:	INM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	DAP 30-40 kg/ha
T2 –Recommended Practice-	NPK 30:60:20/ha
T3- Recommended Practice-	75% of RDF + Biofertilizer as soil application and seed treatment
Date of sowing:	1-15 th July 2020
Date of harvesting:	1-15 th October 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	INM in sesame crop

Name of Crop/Enterprises:	Sesame
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-6 : Soil Science

Title of on-farm trial:	Assessment of Biofertilizers and Ammonium Molybdate in Chickpea
Year/Season:	2020 Rabi (II Year)
Farming situation:	Semi-Irrigated
Problem diagnosis:	Low yield of chickpea due to imbalanced use of fertilizers
Thematic area:	INM
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No Use of Ammonium Molybdate
T2 –Recommended Practice-	Seed treatment with Biofertilizers and Ammonium Molybdate
T3- Recommended Practice-	-----
Date of sowing:	1-15 th November 2020
Date of harvesting:	15-30 th March 2021

Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Seed treatment with Rhizobium and PSB @10 ml/kg seed and Ammonium Molybdate@ 1gm/kg seed
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-7 : Soil Science

Title of on-farm trial:	Assessment of INM with liquid Biofertilizers in wheat crop
Year/Season:	2020 Rabi (II Year)
Farming situation:	Semi-Irrigated
Problem diagnosis:	Low yield of Wheat due to imbalanced use of fertilizers
Thematic area:	INM
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	DAP 50 kg/ha and Urea 50kg/ha

T2 –Recommended Practice-	Balanced fertilizer as NPK 100:60:40/ha
T3- Recommended Practice-	INM with liquid biofertilizer
Date of sowing:	1-15 th November 2020
Date of harvesting:	25-30 th March 2021
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	soil application of Azatobactor and PSB @ 2.5 lit/ha , seed treatment @ 10 gm/kg seed and foliar spray of Pseudomonas @ 2.5 lit/ha
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-8 : PP

Title of on-farm trial:	Assessment of Integrated disease management practices for the management of MVYM disease of Blackgram
Year/Season:	2020 Kharif
Farming situation:	Rainfed
Problem diagnosis:	Low yield of black gram due to high incidence of yellow mosaic disease
Thematic area:	IDM
No of trials:	05

No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No deep summer ploughing, use of susceptible variety, no seed treatment and application of imbalance dose of fertilizers
T2 –Recommended Practice-	Deep summer ploughing, selection of resistant variety (PU-31), seed treatment with Vitavax power @ 2 gm/kg seed followed by Thiamethoxam (25% WP) @ 3 g/ kg seed. The seed is also inoculated with <i>Rhizobium</i> and PSB cultures @ 10 ml/kg seed. Recommended dose of fertilizers (20:50:20 NKP kg/ha) was also applied
T3- Recommended Practice-	T-2 + Foliar spray of Thiamethoxam @ 100 g/ ha at 30 and 30-35 DAS
Date of sowing:	1-15 th July 2020
Date of harvesting:	1-15 th October 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Deep summer ploughing, seed treatment with <i>Trichoderma</i> and Thiamethoxam, Resistant variety (PU 31), Balanced fertilizer application (20:50:20 NPK kg/ha) and Line sowing
Name of Crop/Enterprises:	Blackgram
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-9 : PP

Title of on-farm trial:	Integrated disease management practices for the management of Phytophthora blight disease of sesame
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield of sesame due to incidence of Phytophthora blight disease
Thematic area:	IDM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No seed treatment and no use of fungicides
T2 –Recommended Practice-	Deep summer ploughing, seed treatment with Carbendazim + Thiram @ 1+2 g/kg seed followed by Azotobacter + PSB cultures @ 10 ml/kg seed, drainage of excess water, foliar spray of Metalaxyl + Mancozeb @ 0.2% and application of recommended dose of fertilizers (40:30:20 NPK kg/ha)
T3- Recommended Practice-	Deep summer ploughing, seed treatment with Carbendazim + Thiram @ 1+2 g/kg seed followed by Azotobacter + PSB culture @ 10 ml/kg seed, drainage of excess water, foliar spray of Fosetyl - Al @ 0.2% and application of recommended dose of fertilizers (40:30:20 NPK kg/ha)
Date of sowing:	1-15 th July 2020
Date of harvesting:	1-15 th October 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Seed treatment with Carbendazim + Thiram, Foliar spray of Metalaxyl + Mancozeb or Fosetyl-Al, Balanced fertilizer application and Line sowing
Name of Crop/Enterprises:	Sesame
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-10: PP

Title of on-farm trial:	Assessment of Integrated approach for the management of Collar rot disease of Chickpea
Year/Season:	2020 Rabi
Farming situation:	Semi-Irrigated
Problem diagnosis:	Low yield of chickpea due to incidence of collar rot disease
Thematic area:	IDM
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No deep summer ploughing, No soil and seed treatment
T2 –Recommended Practice-	Deep summer ploughing, avoid high soil moisture at sowing and seedling stage, Seed and soil treatment with <i>Trichoderma</i> @ 2.5 kg/ha followed by <i>Rhizobium</i> and PSB cultures @ 10 ml/kg seed
T3- Recommended Practice-	Deep summer ploughing, avoid high soil moisture at sowing and seedling stage, Seed and soil treatment with <i>Trichoderma</i> @ 2.5 kg/ha followed by <i>Rhizobium</i> and PSB cultures @ 10 ml/kg seed, Foliar spray of <i>Pseudomonas fluorescens</i> @2.5 lit/ha.
Date of sowing:	1-15 th November 2020
Date of harvesting:	15-30 th March 2021
Source of technology:	JNKVV, Jabalpur

Characteristics of technology:	Application of bio agents through seed and soil treatment protect seed from soil borne fungi and Pseudomonas (PGPR) boost the growth of Chickpea as well as protect from soil fungi
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-11: PP

Title of on-farm trial:	Assessment of Integrated approach for the management of Stemphylium blight disease of Onion
Year/Season:	2020 Rabi
Farming situation:	Semi-Irrigated
Problem diagnosis:	Low yield of onion due to incidence of Stemphylium disease
Thematic area:	IDM
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No seed treatment and injudicious use of fungicides

T2 –Recommended Practice-	Seed treatment followed by root dip with <i>Trichoderma viride</i> , foliar spray of Mancozeb @ 0.25 % at 15 days interval on the onset of disease appearance
T3- Recommended Practice-	Seed treatment followed by root dip with <i>Trichoderma viride</i> , foliar spray of Spinosad followed by Mancozeb @ 0.25 % at 15 days interval on the onset of disease appearance
Date of sowing/transplanting	Time of transplanting up to 15 th December
Date of harvesting:	15-30 th April 2021
Source of technology:	NHRDF
Characteristics of technology:	Seed treatment followed by root dip with <i>Trichoderma viridae</i> , foliar spray of Mancozeb and Hexaconazole
Name of Crop/Enterprises:	Onion (Nasik Red)
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-12 : Horticulture

Title of on-farm trial:	Assessment of Integrated crop management in Ginger for quality production
Year/Season:	2020 Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to poor management
Thematic area:	INM
No of trials:	05

No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	flat bed sowing, No seed treatment, Imbalance use of fertilizers (DAP-50 kg, Urea-50 kg/ha)
T2 –Recommended Practice-	Ridge bed planting, Seed treatment with <i>Trichoderma viride</i> @10 gm/kg seed, Application of biofertilisers (Azatobactor and PSB) @ 2.5 kg /ha in soil with FYM
T3- Recommended Practice-	Ridge bed planting, Seed treatment with <i>Trichoderma viride</i> @10 gm/kg seed, Application of biofertilisers (Azatobactor and PSB) @ 2.5 kg /ha in soil with FYM and foliar spray of Biofertilisol @ 2.5 l/ha
Date of sowing:	1-10 th July 2020
Date of harvesting:	1-15 th December 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	
Name of Crop/Enterprises:	Ginger
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-13 : Horticulture

Title of on-farm trial:	Assessment of Improved Variety in Okra (Abha/Navya) with integrated crop management
Year/Season:	2020 Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to open pollinated varieties of Okra.
Thematic area:	HOV
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Local Variety
T2 –Recommended Practice-	Hybrid Variety
T3- Recommended Practice-	
Date of sowing:	1-10 th July 2020
Date of harvesting:	1-15 th December 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	
Name of Crop/Enterprises:	Okra (Hybrid variety-Abha/Navya)
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T3(Recommended Practice)						

OFT-14: Horticulture

Title of on-farm trial:	Assessment of improved variety of Capsicum
Year/Season:	2020 Rabi
Farming situation:	Irrigated/Rice-wheat
Problem diagnosis:	Low income from Capsicum due to improper practices
Thematic area:	Vegetable Production
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Cultivation of Capsicum with integrated crop management
T2 –Recommended Practice-	Improved variety with with integrated crop management
T3- Recommended Practice-	
Date of sowing:	1-10 th Nov 2020
Date of harvesting:	From first week of Feb 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	
Name of Crop/Enterprises:	Capsicum
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

OFT-15: Horticulture

Title of on-farm trial:	Assessment of triple disease resistant tomato variety Arka Rakshak
Year/Season:	Rabi 2020
Farming situation:	Irrigated/Rice-wheat
Problem diagnosis:	Low yield of tomato due to high incidence of tomato diseases (Leaf curl and Late blight)
Thematic area:	Vegetable Production
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Cultivation of Capsicum with integrated crop management
T2 –Recommended Practice-	Improved variety with with integrated crop management
T3- Recommended Practice-	--
Date of sowing:	1-10 th Nov 2020
Date of harvesting:	From first week of Feb 2020
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	
Name of Crop/Enterprises:	Tomato (Arka rachhak)
Recommendations for Farmers	

Recommendations for Deptt. Personnel	
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.2. Information about Extension OFT:

Title	
Season & Year	
Problem identified	
Thematic Area	
Farming situation	
Name of Technology under study	
Farmers Practice	
No. of replication (Farmers)	

Results / findings

Performance indicators/ parameters	Unit/ details

2.3. Information about Home Science OFT:

Title of on-farm trial:	
Year/Season:	
Problem diagnosis:	
Thematic area:	
No of trials:	

No. of farmers/farm women involved	
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
Source of technology:	
Characteristics of technology:	
Name of Crop/Enterprises:	
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/ enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.2 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	CP	Improved variety PU 1, Seed treatment with Vitavax power followed by Thiamethoxam, NPK 2:50:20, Spray of Acetaneprid	Pulse	Blackgram	Pratap Urd	Rainfed	-	20.0								
2020	Kharif	CP	Improved variety TJT501, Seed treatment with <i>T. Viride</i> , followed	Pulse	Pigeonpea	TJT-501	Rainfed	-	10.0								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			by Rhizobium & PSB, NPK 2:60:20, Spray of Ranaxyprae														
2020	Kharif	CP	Improved variety JTS 8, Seed treatment with <i>T. Viride</i> , followed by azatobacter & PSB, NPK 30:60:20, Spray of Mancozeb and Profenophos 50	Oilseed	Sesame	TKG-306	Rainfed	-	10.0								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	CP	Improved variety JS 2034, Seed treatment with <i>T. Viride</i> , followed by Rhizobium & PSB, NPK 20:60:20, Spray of Profenophos 50	Oilseed	Soybean	JS 2034	Rainfed	-	10.0								
2020	Rabi	CP	Improved variety JG 12, Seed treatment with <i>T. Viride</i> , followed by Rhizobium & PSB, NPK 20:60:20, Spray of Imamectin	Pulse	Chickpea	JG-12	Semi-irrigated	-	10.0								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			benzoate														
2020	Rabi	CP	Improved variety Aman, Seed treatment with <i>T.Viride</i> , followed by Rhizobium & PSB, NPK 20:6020, Spray of Imidacloprid 17.8 SL	Pulse	Fieldpea	Aman	Semi-irrigated	-	10.0								
2020	Rabi	CP	Improved variety IPL 316, Seed treatment with <i>T.Viride</i> , followed by Rhizobium & PSB, NPK 20:6020,	Pulse	Lentil	IPL 316	Semi-irrigated	-	10.0								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			Spray of Imidacloprid 17.8 SL														
2020	Rabi	CP	Improved variety RVM 2, Seed treatment with Vitavax power followed by Azatobact or & PSB, NPK 40:60:20, Spray of Acetamiprid	oilseed	Mustard	RVM 2	Semi-irrigated	-	10.0								
2020	Kharif	CP	Assessment of pre emergence weedicide Diclosolum for the management	Oilseed	Soybean	JS 2034	Rainfed	-	2.0								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			nt of weeds														
2020	Kharif	CP	Bio Waste decomposer for decomposition of wheat crop residues.	-	-	-	-	-	5 NO.								
2020	Rabi	CP	Assessment of time of nipping management pre branching stage in mustard crop for higher yield and economic return under rice /Black	Oilseed	Mustard	RH 0749	Semi-irrigated	-	2.0								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			gram-Mustard cropping system.														
2020	Rabi	CP	Assessment of improved wheat variety (DBW 110) under semi irrigated condition under rice wheat cropping system.	Cereal	Wheat	DBW 110	Semi-irrigated	-	1.0								
2020	Kharif	HOV	Improved variety	Vegetable	Onion	Bhima Super	Irrigated	-	0.4								
2020	Kharif	HOV	Improved variety	Vegetable	Cucumber	Nirali	Irrigated	-	0.4								
2020	Rabi	Horticulture (Vegetable)	INM	Vegetable	Potato	Kufri Sinduri	Irrigated	-	0.4								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Rabi	Horticulture (Spice)	Improved variety	Spice	Garlic	G-282	Irrigated	-	0.4								
2020	Kharif	IDM	Management of false smut and foliar diseases of Paddy	Cereal	Paddy	IR-64	Rainfed	-	2.0								
2020	Kharif	IDM	Management of wilt and Phytophthora blight disease of pigeonpea	Pulse	Pigeonpea	TJT-501	Rainfed		2.0								
2020	Rabi	IDM	Management of Collar rot and Dry root rot disease of chickpea	Pulse	Chickpea	JG-315	Semi-irrigated		2.0								
2020	Rabi	IPM	Integrated Pest Management of Fruit	Vegetable	Brinjal	RVM-02	Semi-irrigated		1.0								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			and Shoot borer of Brinjal														
2020	Kharif & Rabi	Nutritional security	Nutritional garden	Vegetables	Okra, Barbati, Amaranthus, Palk, Maithi, Coriander, Tomato, Brinjal, Chilli	Hybrid	Irrigated		1.0								

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif & Rabi	Animal nutrition	Demonstration on round the year	Fodder	MP Chari & Barsee	Hybrid	Irrigated	-	1.0								

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety /Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) /Entrepreneur - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			Availability of fodder		m												
2020	Kharif	Disease management	Management of Ecto and endo parasite in milch animals	Disease management	Albendazole, Protein power, mineral mixture	-	-	-	10 No.								

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration on round the year Availability of fodder	Fodder											

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Management of Ecto and endo parasite in milch animals	Disease management											

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop/ Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated /semi-irrigated)	Completed/ Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	--	

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif & Rabi	Nutritional security	Nutritional garden	Vegetables	Okra, Barbati, Amaranthus, Palk, Maithi, Coriander, Tomato, Brinjal, Chilli	Hybrid								

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (Income Generation)

KVK name	Technology demonstrated	Performance Indicator / Parameter									
		Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Panna	-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
-		-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Nutritional garden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Panna	Oilseed- Soybean, Sesame, Mustard	Training, Field day, Field visit	01 each	100	
Panna	Pulses- Blackgram, Pigeonpea, Chickpea, Lentil, Fieldpea	Training, Field day, Field visit	01 each	100	
Panna	Vegetables	Training, Field day, Field visit	01 each	100	
Panna	Paddy, Wheat	Training, Field day, Field visit	01 each	100	

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	Panna					

4. Feedback System
4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Panna				

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Panna	

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Panna				

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/F W)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F & FW	ONC/OFC	Crop Production	Weed Management	Weed Management Cereals & Pulse & Oil seed Crop	1	1								
F & FW	ONC/OFC	Crop Production	Cropping Systems	Wheat Production technology	1	1								
F & FW	ONC/OFC	Crop Production	Integrated Farming	Sustainable Farming	1	1								
F & FW	ONC/OFC	Crop Production	Micro irrigation/irrigation	Micro irrigation/irrigation Cereals & Pulse & Oil seed Crop	1	1								
F & FW	ONC/OFC	Crop Production	Seed production	Production technology of oilseeds and pulses in kharif	1	1								
F & FW	ONC/OFC	Crop Production	Seed production	Production technology of oilseeds and pulses in Rabi	1	1								
F & FW	ONC/OFC	Crop Production	Integrated Crop Management	Integrated Crop Management	1	1								
F & FW	ONC/OFC	Crop Production	Soil & water	Agroforestry	1	1								

Category (F & FW/F W)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
			conservation											
F & FW	ONC/OFC	Horticulture (Vegetable Crops)	Production of low volume and high value crops	Production technology of cruciferous vegetables	1	1								
F & FW	ONC/OFC	Horticulture (Vegetable Crops)	Off season vegetables	Cucumber and water melon production practice	1	1								
F & FW	ONC/OFC	Horticulture (Vegetable Crops)	Nursery raising	Nursery Management in solenacious vegetable crop	1	1								
F & FW	ONC/OFC	Horticulture (Vegetable Crops)	Exotic vegetables	Production technology of lettuce and asparagus.	1	1								
F & FW	ONC/OFC	Horticulture (Vegetable Crops)	Export potential vegetables	Production technology of onion/tomato	1	1								
F & FW	ONC/OFC	Horticulture (Vegetable Crops)	Protective cultivation	Production technology of cucumber	1	1								
F & FW	ONC/OFC	Horticulture (Vegetable Crops)	Others(Pl. Specify)	Onion and garlic production technology	1	1								
F & FW	ONC/OFC	Horticulture (Fruits)	Training and Pruning	Training and Pruning in Guava	1	1								
F & FW	ONC/OFC	Horticulture (Fruits)	Cultivation of Fruit	Papaya production technology	1	1								
F & FW	ONC/OFC	Horticulture (Fruits)	Rejuvenation of old orchards	Rejuvenation of old orchards	1	1								
F & FW	ONC/OFC	Horticulture(Spices)	Production and Management technology	Production technology of ginger & turmeric	1	1								
F & FW	ONC/OFC	Horticulture(Spices)	Processing and value addition	Processing of turmeric and ginger	1	1								
F & FW	ONC/OFC	Horticulture(Medicinal and	Production and management	Production technology of alovera	1	1								

Category (F & FW/F W)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Aromatic Plants)	technology											
F & FW	ONC/OFC	Soil Health and Fertility Management	Soil fertility management	Essential plant nutrients and their work	1	1								
F & FW	ONC/OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated nutrient management in kharif pulses	1	1								
F & FW	ONC/OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated nutrient management in kharif oilseeds	1	1								
F & FW	ONC/OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated nutrient management in kharif cereals	1	1								
F & FW	ONC/OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated nutrient management in Rabi pulses	1	1								
F & FW	ONC/OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated nutrient management in Rabi oilseeds	1	1								
F & FW	ONC/OFC	Soil Health and Fertility Management	Production and use of organic inputs	Biofertilizers and their importance in crop production	1	1								
F & FW	ONC/OFC	Soil Health and Fertility Management	Management of Problematic soils	Management of saline & alkaline soil.	1	1								
F & FW	ONC/OFC	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Deficiency symptoms of plant nutrients	1	1								
F & FW	ONC/OFC	Soil Health and	Nutrient Use	How to increase fertilizer	1	1								

Category (F & FW/F W)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Fertility Management	Efficiency	use efficiency										
F & FW	ONC/OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Fertilizer application on the basis of soil test values	1	1								
F & FW	ONC/OFC	Soil Health and Fertility Management	Soil & water testing	Soil testing and its importance	1	1								
F & FW	ONC/OFC	Soil Health and Fertility Management	Organic Farming	Organic farming	1	1								
F & FW	ONC/OFC	Livestock Production and Management	Dairy Management	Dairy management	1	1								
F & FW	ONC/OFC	Livestock Production and Management	Feed & fodder technologies	Round the year fodder production	1	1								
F & FW	ONC/OFC	Home Science/Women empowerment	Storage loss minimization techniques	Grain storage										
F & FW	ONC/OFC	Plant Protection	Integrated Disease Management	Integrated approach for the management of yellow mosaic disease of black gram	1	1								
F & FW	ONC/OFC	Plant Protection	Integrated Pest Management	Management of insect pest of Blackgram through <i>Beauveria bassiana</i>	1	1								
F & FW	ONC/OFC	Plant Protection	Integrated Disease Management	Management of sesame blight disease through	1	1								

Category (F & FW/F W)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				copper fungicides										
F & FW	ONC/OFC	Plant Protection	Integrated Disease Management	Integrated approach for the management of yellow mosaic disease of soybean	1	1								
F & FW	ONC/OFC	Plant Protection	Integrated Pest Management	Integrated approach for the management of wilt disease of pigeonpea	1	1								
F & FW	ONC/OFC	Plant Protection	Integrated Disease Management	Management of bacterial leaf blight and false smut diseases of rice	1	1								
F & FW	ONC/OFC	Plant Protection	Integrated Disease Management	Integrated approach for the management of collar rot disease of chickpea	1	1								
F & FW	ONC/OFC	Plant Protection	Integrated Disease Management	Integrated approach for the management of wilt disease of chick pea	1	1								
F & FW	ONC/OFC	Plant Protection	Integrated Disease Management	Integrated approach for the management of dry root rot disease of chickpea	1	1								
F & FW	ONC/OFC	Plant Protection	Integrated Pest Management	Integrated approach for the management of gram pod borer in chick pea crop	1	1								
F & FW	ONC/OFC	Plant Protection	Integrated Pest Management	Management of stem phylidium blight disease of onion	1	1								
F & FW	ONC/OFC	Plant Protection	Integrated Pest Management	Integrated pest management of Fruit and Shoot borer in brinjal crop	1	1								
F & FW	ONC/OFC	Production of Input	Vermicompost	Vermicompost production										

Category (F & FW/F W)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		at site	production	and uses										

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Nursery Management of Horticulture crops	Nursery Management	1	2								
RY		Training and pruning of orchards											
RY		Protected cultivation of vegetable crops											
RY		Commercial fruit production											
RY		Integrated farming											
RY		Seed production											
RY	ONC	Production of organic inputs	Organic Farming	1	3								
RY		Planting material production											
RY	ONC	Vermi culture	Technique of Vermicompost production	1	2								
RY	ONC	Mushroom Production	Techniques of Oyster Mushroom Production	1	2								
RY	ONC	Bee keeping	Bee Keeping	1	2								
RY		Sericulture											
RY		Repair and maintenance of farm machinery and implements	Repair and maintenance of Agriculture implements	1	3								
RY		Value addition	Value addition	1	2								
RY		Others(Pl. Specify)											

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS	ONC	Productivity enhancement in field crops	Production technology of Kharif crops										
IS	ONC	Integrated Pest/ Diseases Management	Management of insect pest and diseases of <i>Kharif</i> crops	1	1								
IS	ONC	Integrated Pest/Diseases Management	Management of insect pest and diseases of <i>Rabi</i> crops	1	1								
IS	ONC	Integrated Nutrient management	Essential plant nutrients, Deficiency symptoms and their functions	1	1								
IS		Rejuvenation of old orchards	Rejuvenation of old orchards and establishment of new orchards	1	1								
IS		Protected cultivation technology											
IS		Production and use of organic inputs	Organic farming	1	1								
IS		Care and maintenance of farm machinery and implements											
IS		Gender mainstreaming through SHGs											
IS		Formation and Management of SHGs											
IS	ONC	Women and Child care	Women and Child care through balance diet	1	1								
IS		Low cost and nutrient efficient diet designing											
IS		Group Dynamics and farmers organization											

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS		Information networking among farmers											
IS		Capacity building for ICT application											
IS	ONC	Management in farm animals	Dairy Management	1	1								
IS		Livestock feed and fodder production											
IS		Household food security											
IS		Others(Pl. Specify)											

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
Crop production and management	Commercial floriculture													
Crop production and management	Organic farming	Vermicompost producer	Vermicompost	Income generation	1	25								
Income generation activities	Mushroom cultivation	Oyster Mushroom Production Technique	Mushroom cultivation	Income generation	1	5								

Table 5.5. Sponsored Training Programmes

Client (F &FW/FW/RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Oth		SC		ST			
							M	F	M	F	M	F	M	F		
		Crop production and management	Increasing production and productivity of crops													
		Crop production and management	Commercial production of vegetables													
		Crop production and management	Production and value addition													
		Crop production and management	Fruit Plants													
		Crop production and management	Ornamental plants													
		Crop production and management	Spices crops													
		Crop production and management	Soil health and fertility management													
		Crop production and management	Production of Inputs at site													
		Crop production and management	Methods of protective cultivation													
		Crop production and management	Others(Pl. Specify)													
		Post harvest technology and value addition	Processing and value addition													
		Post harvest technology and value addition	Others(Pl. Specify)													

Client (F &FW/FW/RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund recei ved for traini ng (Rs.)
							Gen		Oth		SC		ST			
							M	F	M	F	M	F	M	F		
		Farm machinery	Farm machinery, tools and implements													
		Farm machinery	Others(Pl. Specify)													
		Livestock and fisheries	Livestock production and management													
		Livestock and fisheries	Animal Nutrition Management													
		Livestock and fisheries	Animal Disease Management													
		Livestock and fisheries	Fisheries Nutrition													
		Livestock and fisheries	Fisheries Management													
		Livestock and fisheries	Others(Pl. Specify)													
		Home Science	Household nutritional security													
		Home Science	Economic empowerment of women													
		Home Science	Drudgery reduction of women													
		Home Science	Others(Pl. Specify)													
		Agricultural Extension	Capacity Building and Group Dynamics													
		Agricultural Extension	Others(Pl. Specify)													

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed elsewhere
		Type of units	Number of units	Number of persons employed	
Panna	Mushroom Production				
Panna	Dairy management				
Panna	Value addition				
Panna	Repairing and maintenance				
Panna	Poultry farming				

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura- tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
Integrated farming															

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	Kitchen gardening	
Design and development of low/minimum cost diet		
Designing and development for high nutrient efficiency diet		
Minimization of nutrient loss in processing		
Processing and cooking		
Gender mainstreaming through SHGs		
Storage loss minimization techniques		
Value addition	Value addition of Aonla	
Women empowerment		
Location specific drudgery reduction technologies		
Rural Crafts		

Area of Training	Jan-Dec-2019	
	Courses	Participants
Women and child care		
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture		

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Crop Production	Method of seed germination and seed treatment	
Horticulture	Vegetable farming	
Soil Health and Fertility Management	-	
Livestock Production and Management	Care of milch animals	
Agril. Engineering	-	
Plant Protection	Preparation of organic pesticide	
Fisheries	-	
Production of Input at site	-	
Capacity Building and Group Dynamics	-	
Agro forestry	-	

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic	0												
Animal Health Camp	1												
Awareness programme	4												
Celebration of important days	4												
Diagnostic visits	4												
Exhibition	4												
Exposure visits	0												
Ex-trainees Sammelan	1												
Farm advisory Services	10												
Farmers visit to KVK	0												
Field Day	6												
Group meetings	4												
Kisan Ghosthi/Sammelan	5												
Kisan Mela	2												
Krishi Mahotsav	0												
Lectures delivered as resource persons	20												
Mahila Mandals conveners meetings	0												
Method Demonstrations	0												
Pradhanmantri phasal beema yojana	0												
Scientific visit to farmers field	40												
Self Help Group conveners meetings	0												
Soil health Camp	0												
Soil test campaigns	1												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials				
			M	F	M	F	M	F	M	F	Purpose	Topics	Crop Stages
Technology Week	1												
Radio talks	5												
Extension literature	4												
TV talks	2												
Newspaper coverage	20												
Film Show	0												
Others	4												

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	5			
TV talks	2			
Newspaper coverage	20			
Internet (Youtube)	1			
Social media (Whats App, Facebook, Instagram, Twitter etc.)	2			

7. Literature Developed/Published

7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
Panna	January to March 2020	Q1	500		
Panna	April to June 2020	Q2	500		
Panna	July to September 2020	Q3	500		
Panna	October to December 2020	Q4	500		

7.2 Literature developed/published

KVK Name	Type	Number of copies (please don't give mass please fill number only)
Panna	Abstract	2
Panna	Book	1
Panna	Book Chapter	2
Panna	Booklet	0
Panna	Leaflets/ Folder/ Pamphlet	4
Panna	Popular article	6
Panna	Technical Bulletin	2
Panna	Training Manual	0
Panna	Technical Report	4
Panna	Year Planner	1
Panna	Others (pl. specify)	0

Research paper /Review paper published during Jan to Dec. 2020

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
Panna					

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Panna	DVD	value addition of Aonla	
Panna	DVD	Vegetable nursery preparation	

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Panna	Oilseed	Soybean	JS 2034				
Panna	Pulses	Chickpea	JG 12				
Panna	Pulses	Pigeonpea	Rajeshawari				
Panna	Cereals	Paddy	JR206				
Panna	Cereals	Wheat	JW 3382				
Panna	Cereals	Wheat	JW 3382				

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Panna	Fruit Crop	Guava	A. Safeda	100			
Panna	Fruit Crop	Lemon	Kagaji	100			
Panna	Fruit Crop	Papaya	Pusa Nanha	5000			
Panna	Fruit Crop	Maringa	PKM-1	5000			
Panna	Vegetables	Tomato	Hybrid	20000			
Panna	Vegetables	Chilli	Hybrid	10000			
Panna	Vegetables	Brinjal	Hybrid	20000			
Panna	Vegetables	Cauliflower	Hybrid	10000			

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter	100				
	Vermicompost	1000				
	Azolla	20				
	Earthworms	10				
	Compost	0				
	Blue green algae	0				
	NADEP	0				
	Sanjeevani Khad	0				
	Acetobacter	0				
	Aspergillus	0				
	Azotobacter	100				
	Azospirillum	0				
	Phosphate solubilizing Bacteria	500				
	Rhizobium	200				
	Other (pl. sp.)	0				
Bio-Food	Spirulina	0				
	Honey	0				
	Any Other (pl. sp.)	0				
Bio Pesticides	Neem extract	0				
	Neem powder	0				
	Tobacco extract	0				
	Trichoderma viride	1000				
	Trichoderma harzianum	0				
	Trichogramma chilonis	0				
	Beauveria bassiana	50				
	Metarhizium anisopliae	50				

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Pseudomonas fluorescens	500				
	SINPV	0				
	HaNPV	0				
	GF1	0				
	Baco Lures	0				
	Heli Lures	0				
	Leucin Lures	0				
	Paecilomyces	0				
	Panchagavya	0				
	Verticillium	0				

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow	0					
	Calves	0					
	Goats	0					
	Buffaloes	0					
	Sheep	0					
	Breeding bull	0					
	Other (pl specify)	0					
Poultry	Poultry	Desi Bundelkhandi		50		25000	
	Japanese quail	0					
	Japanese quail eggs	0					

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
	Ducks	0					
	Turkey	0					
	Other	0					
Piggery	Piglets	0					
	Boar	0					
	Sow	0					
	Other (pl specify)	0					
Fisheries	Indian carp	0					
	Exotic carp	0					
	Other (pl specify)	0					

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
					by KVKs		By Department	By KVK		By Department				
	Sanctioned	Procured	Collected by KVKs	Provided by Dept./DDA	Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory				Through Mini Soil Testing kit	Through Soil testing laboratory
2016-17	2	2												

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Panna	-	-	-	-	-

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								Total
				SC		ST		Other		General		
				Male	Female	Male	Female	Male	Female	Male	Female	
20.10.2020	Installation of drip fertigation system in vegetables	PF	01									
10.11.2020	Irrigation managment through sprinkler system in field crops	PF	01									

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Panna	01	Nil	Nil	Nil	Nil

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								Total
				SC		ST		Other		General		
				Male	Female	Male	Female	Male	Female	Male	Female	
20.10.2020	Installation of drip fertigation system in vegetables	F/FW	01									
10.11.2020	Irrigation managment	F/FW	01									

Date	Title of the training course	Client	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
	through sprinkler system in field crops											

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/stayed	Duration of Stay (days)	Reason for vacant farmers hostel	Accommodation available in F.H.
Panna	January	2020				
Panna	February	2020				
Panna	March	2020				
Panna	April	2020				
Panna	May	2020				
Panna	June	2020				
Panna	July	2020				
Panna	August	2020				
Panna	September	2020				
Panna	October	2020				
Panna	November	2020				
Panna	December	2020				

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Panna	2008	2008	06	Nil	Nil

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Panna	September 2020	25	

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Panna	2000 (Target)	100 (Target)	10 (Target)	2110

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology		10	60000		
		Integrated Farming					
		Field Preparation		1			
		Any Other (Specify)					
2	Weather	Advisory		0			
		Change in variety					
		Change in Sowing technique					
		Climate forecast		4			
		Any Other (Specify)					
3	Soil Management	Soil Testing		1			
		INM		1			
		Fertilizer Application					
		Vermicomposting/ bio-waste recycling					
		Bio-fertilizer		2			
		Any Other (Specify)					
4	Disease & Pest Management	Disease Management		5			
		Pest Management		5			
		Preventive Advisory Disease Management					
		Preventive Advisory Pest Management					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Bio-pesticides		1			
		Any Other (Specify)					
5	Nutrition Security & Women Empowerment	Nutrition Awareness					
		Kitchen garden					
		Value Addition and Processing					
		Drudgery Reduction					
		Entrepreneurship & Income Generation					
		Advisory					
		Any Other (Specify)					
6	Horticulture	Vegetable		2			
		Fruit		2			
		Hi Tech Horticulture					
		Any Other (Specify)					
7	Livestock	Feed and Fodder		1			
		Dairy Management					
		Fisheries					
		Poultry Management					
		Vaccination & Disease management					
		Any Other(Specify)					
8	Farm Mechanization			1			
9	Extension			2			
10	Organic Farming			2			
11	Marketing			2			
12	Awareness			5			

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
13	Other Enterprise			2			
14	Any Other(Specify)			5			

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Panna	ATMA	Agriculture				
Panna	NHM	Horticulture				
Panna	Training	Veterinary				
Panna	Training	NRLM				
Panna	Training	SAIDMAP				
Panna	Training & Demonstrations	NGOs				

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Panna	10,00,000	OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Panna	38356618862	333494	508041	Nursery, Crop Demonstration unit, Crop cafeteria

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/National)	Awarding Organizations	Amount received
Panna					

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety
4000 sq. meter	Oilseeds	Soybean	JS 2034, JS 2098, JS 2069, JS 2029, RVS 201-4	
	Oilseeds	Sesame	TKG 55, JTS 8	
	Oilseeds	Mustard	RVM-2, RH0749, Pusa Jai Kisan	
	Pulses	Blackgram	IPU 2-43, IPU 94-1, PU 31, Shekhar-2	
	Pulses	Greengram	Shikha, Virat,	
	Pulses	Pigeonpea	Pusa 16, TJT 501, Rajeshwari	
	Pulses	Chickpea	JG 14, JG 12, JKG 1, RVG 201, 202	
	Pulses	Lentil	IPL 81, IPL 316, JL3	
	Cereals	Paddy	MTU 1010, JR 206	
	Cereals	Wheat	JW 3382, GW 322, GW 366,	
	Cereals	Wheat	JW 3211, JW 3288, HI 1544, HI 8737	

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1.	Panna	Sri Laxman Das Shukharmani	Integrated Organic Farming	Village- Janwar, Block-Panna	Mo. 9300807775
1	Panna	Sri Puran Singh	Vegetable grower	Village- Birasan, Block- Pawai	Mo. 9009783681

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
2	Panna	Sri Laloo Kushwaha	Vegetable grower	Devandranagar, Block - Panna	Mo. 9098280272
3	Panna	Sri Ram Lagan Pal	Drip irrigation, Plastic mulching and Vermicomposting in vegetable cultivation	Village- Guthala, Block- Ajaygarh,	Mo. 8349245611
4	Panna	Sri Rameshwar Prasad Mishra	Drip irrigation and plastic mulching in vegetable cultivation	Village- Singhpur, Block – Ajaygarh	Mo. 9993508164
5	Panna	Sri Manmohan Kushwaha	Multi-layer cultivation of vegetables	Village- Janwar, Block - Panna	Mo.8964991919
6	Panna	Sri Basant Lal Patel	Cultivation of soybean through Ridge and Furrow Technique	Village- Richhora, Block – Gunour	Mo. 9617530480
7	Panna	Shri Vivek Khare	Dairy Farming	Kalyanpur, Block – Panna	Mo. 7000626869
8	Panna	Dr. J. B. Bhatnagar	Plantation of Pomegranate	Village – Dagdha, Block- Gunour,	Mo. 9893500278
9	Panna	Sri Pradeep Garg	Dairy and Production of Green fodder through hydroponic technique	Village - Kodhanpurwa, Block – Panna	Mo. 7697912677
10	Panna	Sri Dashrath Singh Yadav	Value addition in Aonla Fruit	Village - Dehlanchowki, Block – Panna	Mo. 7879517796

23. KVK interaction with progressive farmers

S. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
1	August 2020	
2	November 2020	

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Panna	5					

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*
-	-	-	-	-	-	-

26. KVK Ring

S. No.	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
1	Chhatarpur	Technical support			Seed and planting material
2	Tikamgarh	Technical support			RAWE activities
3	Damoh	Technical support			Seed and planting material

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Panna						

28. Status of KVK Website during Jan to Dec. 2020

S.No.	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
1	Panna	March 2020	www.kvkpanna.nic.in		

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Panna	-	- -	- -	-

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
1	Panna	-	-	-

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
1	Panna	-	-	-

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Panna				
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Panna		

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Panna				

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Panna		

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Panna					

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Panna		

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
Panna				

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Panna	Gosthies	1		
Panna	Lectures organized	4		
Panna	Exhibition	1		
Panna	Film show	0		
Panna	Fair	0		
Panna	Farm/ Field Visit	2		
Panna	Diagnostic Practical's	1		
Panna	Distribution of Literature (No.)	5		
Panna	Distribution of Seed (q)	2		
Panna	Distribution of Planting materials (No.)	5		
Panna	Bio Product distribution (Kg)	2		
Panna	Distribution of Bio Fertilizers (q)	2		
Panna	Distribution of fingerlings	0		
Panna	Distribution of Livestock specimen (No.)	0		
Panna	Total number of farmers visited the technology week	0		
Panna	Animal health camp	1		
Panna	Awareness programme	1		
Panna	Demonstration	0		
Panna	Exposure visit	2		
Panna	Ex-trainees Meet	1		
Panna	Farmer scientist interaction	1		
Panna	Farmers Training	5		
Panna	Gajarghans Unmulan Pakhwada	0		
Panna	Group Meeting	0		
Panna	Jai Kisan Jai Vigyan Sangoshthi	1		
Panna	Plant Protection Week	1		
Panna	Seed treatment campaign	1		
Panna	Self Help Group convener meet	0		

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Panna	Soil health Camp	1		
Panna	Swachha Bharat Abhiyan	2		
Panna	Others (Pl. Specify)	0		

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Panna				

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants
Panna	1		

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Panna	1		

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Panna				

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Panna	Vegetables	20,000		
Saplings				
Panna	Papaya, Moringa	1000		

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers
Panna	<i>Trichoderma viride</i>	500 kg		

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Panna	Rhizobium	200		
Panna	PSB	300		
Panna	Azotobactor	100		

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers
Panna				

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Panna					

Awareness campaign

Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village
Panna	Gunore	Maheba

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Bio Waste decomposer for decomposition of wheat crop residues.	Kharif weeds	5 No.			
Improved variety of Wheat DBW 110	Wheat DBW 110	2.0			

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Farmers training				
Krishak Sangoshthu				
Field visit				

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Integrated crop management				
Integrated pest management				

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	Panna
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Panna	02	01

14. KVK, Rewa

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	20	50			
FLDs – Oilseeds (activity in ha)	60	150			
FLDs – Pulses (activity in ha)	-	-			
FLDs – Cotton (activity in ha)					
FLDs – Other than Oilseed and pulse crops(activity in ha)	20	50			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	-	-			
Training-Farmers and farm women	110	190			
Training-Rural youths	09	270			
Training- Extension functionaries	10	70			
Extension Activities	150	6624			
Seed Production (Number of activity as seeds in quintal)	-	-			
Planting material ((Number of activity as quantity of planting material in quintal)	-	-			
Seedling Production (Number of activity as number of seedlings in numbers)	-	-			
Sapling Production (Number of activity as number of sapling in numbers)	-	-			
Other Bio- products (No. of quantity)	0.4	40			
Live stock products	-	-			
Activities of Soil and Water Testing Laboratory	-	-			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	52	44254			
SAC Meeting (Date & no. of core/ official members)	02	-			
Literature to be Developed/Published	-	-			
Convergence programmes / Sponsored programmes	-	-			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel	-	-			
Utilization of Staff Quarters	-	-			
Details of KVK Agro-technological Park	-	-			
Crop Cafeteria-	-	-			
Farm Innovators- list of 10 farm innovators from the District	Awaited				
Status of Revolving Funds	-	-			
Awards and Recognitions	-	-			
Case study / Success Story to be developed	Awaited	Awaited			
KVK Progressive Farmers interaction	Awaited	Awaited			
Outreach of KVK in the District (No. of blocks, no. of villages)	09 and 2432				
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	-	-			
Important visitors to KVK	-	-			
Status of KVK Website	-	-			
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	-	-			
Interventions on Drought Mitigation	-	-			
Sansad Adarsh Gram	-	-			
Other Activities	-	-			

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Rewa	16	1	1	6	6	3	3	6	2	16	12

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Dr. A.K. Pandey	Agronomy	Ph.D	Agronomy	37000-67000	68220	25.06.2010	Gen
SMS/ Scientist 1	Dr. C.J.Singh	Home Sc.	Ph.D.	Home Sc	15600-39100	35880	24.01.07	Gen
SMS/ Scientist 2	Dr. Kinjulk C. Singh	Extension	Ph.D.	Extension	15600-39100	35880	24.01.07	Gen
SMS/ Scientist 3	Dr. Rajesh Singh	Horticulture	Ph.D.	Horticulture	15600-39100	35880	31.01.09	Gen
SMS/ Scientist 4	Dr. Akhilesh Patel	Soil Science	Ph.D.	Soil Science	15600-39100	30850	24-01-07	OBC
SMS/ Scientist 5	Dr. Akhilesh Kumar	Plant Protection	Ph.D.	Entomology	15600-39100	31520	01.11.11	Gen
SMS/ Scientist 6	Dr,Smita Singh	Agronomy	Ph.D.	Agronomy	15600-39100	21600	03.10.2017	Gen
Programme Assistant	Dr. Sanjay Singh	Extension	Ph.D.	Agriculture Extension	15600-39100	80000	10.08.2010	Gen
Farm Manager	Dr. K.S.Baghel	Plant Pathology	Ph.D.	Plant pathology	9300-34800	64600	15.07.2011	Gen
Computer Programmer	Mr. Mrityunjay Kumar Mishra	Computer Sc.	M.Sc.	Computer Sc.	9300-34800	59100	26.03.08	Gen
Accountant / superintendent	Vacant	-	-	-	-	-	-	-
Stenographer	Vacant	-	-	-	-	-	-	-
Driver	Mr. Umesh Pd. Verma		12 th		5200-20200	29400	10.07.2008	OBC
Driver	Vacant							
Supporting staff, if any	Mr. Brijesh Sen		12 th		4400-7440	25000	30.03.2005	OBC
Supporting staff, if any	Vacant	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)

1.4. THRUST AREAS identified by KVK

KVK Name	Thrust area

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block

2. On Farm Testing (OFT)

2.1 Information about OFT: 1

Title of on-farm trial:	Assessment of new HYV JR206 of rice in SRI system under rice-wheat cropping system
Year/Season:	2020/ Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield of rice due to poor crop management
Thematic area:	ICM
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	IR64 well established in the region, drought and pest resistant, high yielding (50 q/ha) with

	conventional transplanting method
T2 –Recommended Practice-	Transplanting in SRI system; SRI- seed rate @5kg/ha, Age of seedling-10-12 days old, spacing 25X25 cm, alternate wetting and drying of field etc
T3- Recommended Practice-	MTU1010 well established, drought and pest resistant, high yielding (50 q/ha), transplanting in SRI system
Date of sowing:	10-15 July 2020
Date of harvesting:	10 November 2020
Source of technology:	ANGARU 2006
Characteristics of technology:	JR206 high yielding (60q/ha), coarse grains, suitable for upland condition also, resistant to major insects and diseases, SRI is water saving technology, crop yield can be increased by 20% as compared to conventional method
Name of Crop/Enterprises:	Crop
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1.No. of tillers/m ² 2. No. of panicles/ m ² 3.Seed yield q/ha 4. B:C ratio					
T2(Recommended Practice)	1.No. of tillers/m ² 2. No. of panicles/ m ²					

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	3.Seed yield q/ha 4. B:C ratio					
T3(Recommended Practice)	1.No. of tillers/m ² 2. No. of panicles/ m ² 3.Seed yield q/ha 4. B:C ratio					

2.1 Information about OFT: 2

Title of on-farm trial:	Assessment of pigeonpea based intercropping system (Pigeonpea + Balckgram2:6 & pigeonpea+soybean2:4)under rain fed farming situation in pigeonpea-chickpea (JG 14) cropping sequence
Year/Season:	2020/ Kharif-Rabi
Farming situation:	Rainfed
Problem diagnosis:	Poor yield and low returns from pigeon pea due to adverse climatic conditions
Thematic area:	Crop diversification
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Sole crop of pigeonpea variety Rajeshwari
T2 – Recommended Practice	Pigeonpea+Black gram (2:6)
T3- Recommended Practice-	Pigeonpea+Soybean (2:4)
Date of sowing:	07-10 July 2020
Date of harvesting:	

Source of technology:	JNKVV, 2008
Characteristics of technology	Cost effective, eco-friendly and highly remunerative.
Name of Crop/Enterprises:	Pigeonpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1.Seed yield (q/ha) 2. No. of pods/plant					
T2(Recommended Practice)	1. No. of pods/plant 2.Pigeon pea equivalent yield of intercrop, 3.Increase in yield (q/ha), 4.Increase in income/ha					
T3(Recommended Practice)	1. No. of pods/plant 2.Pigeon pea equivalent yield of intercrop, 3.Increase in yield (q/ha), 4.Increase in income/ha					

2.1 Information about OFT: 3

Title of on-farm trial:	Assessment of HY wheat varieties (HI8759 & JW3382) in irrigated condition under rice-wheat cropping system
Year/Season:	2020/ Rabi
Farming situation:	Irrigated

Problem diagnosis:	Low yield due to sowing of old varieties like WH147, GW273 etc
Thematic area:	ICM
No of trials:	10
No. of farmers involved	50
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	GW322-Matures in 115-120 days, high yielding (60-62 q/ha), bold seeded, multiple resistance and heat tolerant, suitable for chapatti making
T2 –Recommended Practice-	HI 8759 (Pusa Tejas) high yielding duram variety with an average yield 57q/ha and potential yield of 76q/ha, for timely sown irrigated condition for Central Zone
T3- Recommended Practice-	JW 3382 Matures in 119 days, high yielding (59.75 q/ha), bold seeded, multiple resistance and heat tolerant, rich in iron, zn and protein, suitable for chapatti making
Date of sowing:	10-15 July 2020
Date of harvesting:	
Source of technology:	JNKVV, 2016
Characteristics of technology:	High yielding, good nutritional quality, better response to irrigation and fertilizers
Name of Crop/Enterprises:	Crop
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1.No. of tillers/m ² 2. No. of ears/m ² 3. Seed yield					

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	q/ha 4. B:C ratio					
T2(Recommended Practice)	1.No. of tillers/m ² 2. No. of ears/m ² 3. Seed yield q/ha 4. B:C ratio					
T3(Recommended Practice)	1.No. of tillers/m ² 2. No. of ears/m ² 3. Seed yield q/ha 4. B:C ratio					

2.1 Information about OFT: 4

Title of on-farm trial:	Assessment of Integrated weed management in wheat under rice-wheat cropping system
Year/Season:	2020 / Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of wheat due to severe weed problem in irrigated condition
Thematic area:	IWM
No of trials:	10
No. of farmers involved	50
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Application of 2,4-D@ 750 ml/ha at 30-35 DAS

T2 –Recommended Practice-	Application of pre- emergence herbicide- Pendimethalin (Stomp-extra) @1000 g a.i./ha at 0-3 DAS
T3- Recommended Practice-	Application of Mesosulfuron-methyl3%r + Idosulfuron-methyl sodium 0.6% @ 400gm/ha (Commercial Product) at 25- 30 DAS.
Date of sowing:	10-25 November 2020
Date of harvesting:	
Source of technology:	DWSR 2017
Characteristics of technology:	Herbicide controls grassy as well as broadleaved weed in wheat without phytotoxic effect on wheat
Name of Crop/Enterprises:	Crop
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1.No. of weeds/m ² 2.No. of panicles/m ² 3. Yield(q/ha) 4. B:C ratio					
T2(Recommended Practice)	1.No. of weeds/m. ² 2.No. of panicles/m ² 3. Yield (q/ha) 4. B:C ratio					
T3(Recommended Practice)	1.No. of weeds/m ² . 2. No. of panicles/m ² 3. Yield (q/ha) 4. B:C ratio					

2.1 Information about OFT-5

Title of on-farm trial:	Assessment of integrated weed management in transplanted rice
Year/Season:	2020-21/Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield of Paddy due to more infestation of weeds
Thematic area:	Integrated weed management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No adoption of weed management practices
T2 –Recommended Practice-	Pyrazosulfuron-ethyl 10 % WP 20g a.i/ha after 3DAT
T3- Recommended Practice-	T2 + One hand weeding at 25 DAT
Date of sowing:	21/07/2020
Date of harvesting:	02/11/2020
Source of technology:	DWR 2012
Characteristics of technology:	Use of herbicide in transplanted rice
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	Application of Pyrazosulfuron-ethyl 10 % WP 20g a.i/ha after 3DAT and application of One hand weeding at 25 DAT treatment is best management for controlling of weeds in direct seeded rice
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1.No of weeds/m ² 2. Yield q/ha	Awaited	Awaited	Awaited	Awaited	Awaited
T2(Recommended	1.No of	Awaited	Awaited	Awaited	Awaited	Awaited

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Practice)	weeds/m ² 2. Yield q/ha					
T3(Recommended Practice)	1.No of weeds/m ² 2. Yield q/ha	Awaited	Awaited	Awaited	Awaited	Awaited

2.1 Information about OFT -6

Title of on-farm trial:	Assessment of integrated weed management in Blackgram
Year/Season:	2020-21/Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield of Blackgram due to more infestation of weeds
Thematic area:	Integrated weed management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No adoption of weed management practices
T2 –Recommended Practice-	Application of pre- emergence herbicide- Pendimethalin (Stomp-extra) @1000 g a.i./ha at 0-3 DAS
T3- Recommended Practice-	T2 +Use of Imazethapyr @ 750ml/ha at 18-20 DAS
Date of sowing:	19/07/2020
Date of harvesting:	22/10/2020
Source of technology:	DWR 2010
Characteristics of technology:	Use of herbicide in Black gram
Name of Crop/Enterprises:	Blackgram
Recommendations for Farmers	Application of pre- emergence herbicide- Pendimethalin (Stomp-extra) @1000 g a.i./ha at 0-3

	DAS and application of Imazethapyr @ 750ml/ha at 18-20 DAS is best management for controlling of weeds in Blackgram
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1.No of weeds/m ² 2. Yield q/ha	Awaited	Awaited	Awaited	Awaited	Awaited
T2(Recommended Practice)	1.No of weeds/m ² 2. Yield q/ha	Awaited	Awaited	Awaited	Awaited	Awaited
T3(Recommended Practice)	1.No of weeds/m ² 2. Yield q/ha	Awaited	Awaited	Awaited	Awaited	Awaited

2.1 Information about OFT: 7

Title of on-farm trial:	Assessment of herbicide (Clodinofof+ Metsulfuron) in wheat crop under zero tillage technique
Year/Season:	2020/ Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of wheat due to late sowing of Rice wheat cropping system and no use of appropriate herbicide
Thematic area:	Integrated weed management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of herbicide
T2 –Recommended Practice-	One hand weeding at 35 DAS
T3- Recommended Practice-	(Clodinofof+Metsulfuron) Vesta (Commercial product)@ 400 g/ha at 30 DAS
Date of sowing:	Oct.2020
Date of harvesting:	April 2020
Source of technology:	JNKVV & ICAR 2006
Characteristics of technology:	Zero tillage technique integrated with timely planting of wheat (October sowing) has shown promising results in reducing infestation and higher grain yields. Research indicates that there is good potential to reduce both herbicide dose and the number of herbicide applications when they are utilized with competitive crops.
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	Time ,labor saving and effective weed control
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1.No of weeds/m ² 2. Yield q/ha	Awaited	Awaited	Awaited	Awaited	Awaited
T2(Recommended Practice)	1.No of weeds/m ² 2. Yield q/ha	Awaited	Awaited	Awaited	Awaited	Awaited
T3(Recommended Practice)	1.No of weeds/m ² 2. Yield q/ha	Awaited	Awaited	Awaited	Awaited	Awaited

2.1 Information about OFT: 8

Title of on-farm trial:	Assessment of improved wheat varieties (JW 3269 & JW 3288) under semi-irrigated condition under rice-wheat cropping sequence
Year/Season:	2020/ Rabi
Farming situation:	Semi-irrigated
Problem diagnosis:	Low yield due to sowing of unsuitable varieties
Thematic area:	Varietal assessment
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of old variety Lok 1
T2 –Recommended Practice-	JW 3269 (semi dwarf, tolerant to drought and rusts, grains bold and sarbati wheat, yield 42-45 q/ha)
T3- Recommended Practice-	JW 3288 (bold grain, non lodging and non shattering, profuse tillering, resistant to rust, yield 45-47 q/ ha
Date of sowing:	Oct.2020
Date of harvesting:	April 2020
Source of technology:	JNKVV, 2010
Characteristics of technology:	semi dwarf, tolerant to drought and rusts, grains bold
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	High yielding variety
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1.No. of tillers/plant 2.Yield q/ha	Awaited	Awaited	Awaited	Awaited	Awaited
T2(Recommended Practice)	1.No. of tillers/plant 2.Yield q/ha	Awaited	Awaited	Awaited	Awaited	Awaited
T3(Recommended Practice)	1.No. of tillers/plant 2.Yield q/ha	Awaited	Awaited	Awaited	Awaited	Awaited

OFT-9

Title of on-farm trial:	Assessment of pruning technique under medow orchard for winter season fruits
Year/Season:	2020/ Kharif
Farming situation:	Irrigated
Problem diagnosis:	Due to lack of knowledge farmers are not adopted two leaf pair pruning
Thematic area:	HOT
No of trials:	10
No. of farmers involved	50
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers are not pruned any type of guava plant .
T2 –Recommended Practice-	Two leaf pair pruning in guava for increasing the winter season crop borer 5. Application of Cartap hydrochloride 4G @ 25 kg/ha at 25 DAT 6. Need based application of insecticides/ fungicides after based on ETL
T3- Recommended Practice-	Two leaf pair pruning in guava with 50% of urea spray for increasing the winter season crop
Date of sowing:	-

Date of harvesting:	-
Source of technology:	ICAR
Characteristics of technology:	Cost effective, preventive and highly remunerative
Name of Crop/Enterprises:	Guava
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Farmers are not prun any type of guava plant					
T2(Recommended Practice)	Two leaf pair pruning in guava for increasing the winter season crop					
T3(Recommended Practice)	Two leaf pair pruning in guava with 50% of urea spray for increasing the winter season crop					

2.1 Information about OFT: 10

Title of on-farm trial:	Assessment of PSM 5 variety Pea .
Year/Season:	2020/ Kharif-Rabi
Farming situation:	Irrigated
Problem diagnosis:	Poor yield due to less number of grain per plant

Thematic area:	VC
No of trials:	10
No. of farmers involved	30
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	PSM - 5
T2 – Recommended Practice	Arkal
T3- Recommended Practice-	Azad Pea -1
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IIVR, 2008
Characteristics of technology	Evaluation of higher yielding variety for pod purpose .
Name of Crop/Enterprises:	Pea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	PSM - 5					
T2(Recommended Practice)	Arcil					
T3(Recommended Practice)	Azad Pea -1					

OFT-11

Title of on-farm trial:	Assessment of IPM modules for the management of Rice Pest
Year/Season:	2020/ Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to severe insect pests infestation
Thematic area:	PLP
No of trials:	10
No. of farmers involved	40
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No Use of IPM modules.
T2 –Recommended Practice-	1. Deep summer ploughing 2. Seed treatment with Carbendazim 12% + Mancozeb 63% WP @ 2g/kg seed 3. Seedling root dip in Propenofos @ 2ml/liter of water for 12 hours before transplanting 4. Installation of pheromone trap @ 8/ ha for monitoring of yellow stem borer 5. Application of Cartap hydrochloride 4G @ 25 kg/ha at 25 DAT 6. Need based application of insecticides/ fungicides after based on ETL
T3- Recommended Practice-	1.Deep summer ploughing 2. Alley planting with 30 cm gap after 2.5 to 3 meter planting with spacing of 20 x 15 cm 3. Seed treatment with <i>Pseudomonas fluorescens</i> @10g/kg seed 4. Application of Chlorantriliprole 0.3G @10kg/ha in nursery 5-7 days before uprooting of seedlings 5.Installation of pheromone trap @ 8/ ha for monitoring of 6. Installation of Light Trap @ 1/ha for monitoring purpose 7. Need based application of insecticides/ fungicides after based on ETL
Date of sowing:	15 Jun 2020
Date of harvesting:	07-Nov-20
Source of technology:	NRRI 2018
Characteristics of technology:	Effective and much safer IPM module
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1. % insect damage, disease infection /hill or per square meter 2. Yield (q/ha) 3. Benefit Cost Ratio					
T2(Recommended Practice)	1. % insect damage, disease infection /hill or per square meter 2. Yield (q/ha) 3. Benefit Cost Ratio					
T3(Recommended Practice)	1. % insect damage, disease infection /hill or per square meter 2. Yield (q/ha) 3. Benefit Cost Ratio					

2.1 Information about OFT: 12

Title of on-farm trial:	Assessment of IPM modules for the management of pod borer in cowpea
Year/Season:	2020/ Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to severe insect infestation
Thematic area:	PLP
No of trials:	05
No. of farmers involved	25
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No spray of any insecticides at insect appearance.

T2 – Recommended Practice	Emamectin benzoate 5 SG 0.5 gm/l and Bt @ 1ml/l at 10 days interval during flowering and fruiting stage
T3- Recommended Practice-	Spray of Rynaxypyr 18.5 SC @0.5 ml/l followed by Azadirachtin 0.15% @ 5ml/l at 10 days interval during flowering and fruiting stage
Date of sowing:	11 July 2020
Date of harvesting:	23 September 2020
Source of technology:	IIVR, 2014
Characteristics of technology	Effective and much safer IPM module.
Name of Crop/Enterprises:	Cowpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of damage fruits(%) Yield (q/ha)					
T2(Recommended Practice)	No. of damage fruits(%) Yield (q/ha)					
T3(Recommended Practice)	No. of damage fruits(%) Yield (q/ha)					

2.1 Information about OFT:13

Title of on-farm trial:	Assessment of IPM modules for the management of onion thrips, <i>Thrips tabaci</i> L.
Year/Season:	2020/Rabi
Farming situation:	Irrigated
Problem diagnosis:	Due to damage in onion reduce yield up to 50%
Thematic area:	PLP
No of trials:	10
No. of farmers involved	40
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No IPM modules use
T2 –Recommended Practice-	Spraying of Profenophos 50 EC @ 500 ml/ha at 35 DAT with adhesive material @ 330ml/ha at fortnightly interval
T3- Recommended Practice-	1. Mass trapping with yellow sticky trap @ 4000/ha 2. Neem oil @ 2000ml/ha 3. Spraying of pre-mixed Imidacloprid + Fipronil 80WG @ 150 gram/ha with adhesive material @ 330ml/ha at fortnightly interval
Date of sowing:	15 December 2020
Date of harvesting:	30 April 2021
Source of technology:	NHRDF-2019
Characteristics of technology:	Effective and reduce the damage
Name of Crop/Enterprises:	Onion
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1. No. of thrips/Plant 2. Yield (Q/ha)					
T2(Recommended Practice)	1. No. of thrips/Plant 2. Yield (Q/ha)					
T3(Recommended Practice)	1. No. of thrips/Plant 2. Yield (Q/ha)					

2.1 Information about OFT: 14

Title of on-farm trial:	Assessment of IPM modules for the management of diamond back moth (DBM), <i>Plutella xylostella</i> in cabbage
Year/Season:	2020 / Rabi
Farming situation:	Irrigated
Problem diagnosis:	Due to damage in cabbage reduce yield up to 35-40 %
Thematic area:	PLP
No of trials:	05
No. of farmers involved	30
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No IPM modules use.
T2 –Recommended Practice-	Summer ploughing -Use of Chinese cabbage as trap cop after every 11 rows of cabbage -Spraying of Bt @ 1.5 kg/ha after 10DAP at 10Days interval
T3- Recommended Practice-	Emamectin benzoate 5 SG @ 0.35g/l at 10-15 days interval

Date of sowing:	05 October 2020
Date of harvesting:	28 December 2020
Source of technology:	IIVR, Varanasi (2015)
Characteristics of technology:	Effective and reduce the damage
Name of Crop/Enterprises:	Cabbage
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1. No. of larvae/Plant 2. Yield (q/ha)					
T2(Recommended Practice)	1. No. of larvae/Plant 2. Yield (q/ha)					
T3(Recommended Practice)	1. No. of larvae/Plant 2. Yield (q/ha)					

OFT-15

Title of on-farm trial:	Assessment of IDM module for false smut (<i>Ustilaginoidea virens</i>) of rice.
Year/Season:	2020/ Kharif
Farming situation:	Irrigated
Problem diagnosis:	Heavy incidence of false smut disease especially on hybrid rice affected area 60,000 ha, yield reduction 15-45%.
Thematic area:	IDM

No of trials:	10
No. of farmers involved	50
Type of OFT (Assessment/ Refinement):	Refinement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Application of fungicide only after disease symptoms emergence.
T2 –Recommended Practice-	Seed treatment with Tricyclazole 75% followed by two spray at pri-flowering and flowering stage of Tebuconazole (18.2 %) + Difenconazole (11.4%)
T3- Recommended Practice-	Early transplanting by 10 days+ Weed management especially Digiteria and Echinocloa sp.+ Low nitrogeous fertilizer dose+ T 2
Date of sowing:	10-15 July 2020
Date of harvesting:	10 November 2020
Source of technology:	K.M. Muniraju et al. Novel Fungicides for the Management of False Smut Disease of Rice Caused by <i>Ustilaginoidea virens</i> . Int.J.Curr.Microbiol.App.Sci (2017) 6(11): 2664-2669
Characteristics of technology:	Cost effective, preventive and highly remunerative
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1.No of infected spikelets/100 hills. 2.No. of infected seed/ spikes 3.Disease incidence%					
T2(Recommended Practice)	1.No of infected spikelets/100 hills.					

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	2.No. of infected seed/ spikes 3.Disease incidence%					
T3(Recommended Practice)	1.No of infected spikelets/100 hills. 2.No. of infected seed/ spikes 3.Disease incidence%					

2.1 Information about OFT: 16

Title of on-farm trial:	Assessment of management of Phytophthora blight (Phytophthora drechsleri f.sp. Cajani) disease of pigeonpea.
Year/Season:	2020/ Kharif-Rabi
Farming situation:	Semi-Irrigated
Problem diagnosis:	Heavy incidence of Phytophthora blight disease in pigeonpea affected area 10,000 ha, yield reduction more than 75%.
Thematic area:	IDM
No of trials:	10
No. of farmers involved	50
Type of OFT (Assessment/ Refinement):	Refinement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Non adoption of appropriate protection measures against Pytophthora disease.
T2 – Recommended Practice	Seed treatment with Metalaxyl + Mancozeb @3gm/kg and Soil application of <i>Trichoderma viride</i> @ 5 lit/ha.
T3- Recommended Practice-	Raised bed sowing+ Mulching with short leguminous crop+ Seed Innoculation with <i>Pseudomonas florescence</i> @10ml/ka + Application of Potassic fertilizer 50 kg/ha + Early spray of metalxyl + mancozeb @2.5gm/lit at 2-3 leaf stage of crop

Date of sowing:	07-10 July 2020
Date of harvesting:	25-30 December 2020
Source of technology:	Jadesha G et al. Management of Blight of Pigeonpea using and a Chemical Fungicide. J Mycol Pl Pathol, Vol. 49, No. 2, 2019
Characteristics of technology	Cost effective, eco-friendly and highly remunerative.
Name of Crop/Enterprises:	Pigeonpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1.No of diseased plant/sq.m 2.PDI					
T2(Recommended Practice)	1.No of diseased plant/sq.m 2.PDI					
T3(Recommended Practice)	1.No of diseased plant/sq.m 2.PDI					

2.1 Information about OFT: 17

Title of on-farm trial:	Assessment of efficacy of compatibility of fungicides and insecticides in rice
Year/Season:	2020/ Kharif
Farming situation:	Irrigated
Problem diagnosis:	Non judicious blending of chemicals causes serious injury to crop as well as human beings.
Thematic area:	PLP
No of trials:	10

No. of farmers involved	50
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Blending of insecticides and fungicides without knowing their compatibility
T2 –Recommended Practice-	Alternate use of fungicides and insecticides
T3- Recommended Practice-	Application of Lemdacyhlothrin + Thiomethoxam along with Propiconazole + Difenconazole
Date of sowing:	10-15 July 2020
Date of harvesting:	10-15 November 2020
Source of technology:	V. Bhuvaneshwari and S. Krishnam Raju. Compatibility Rice Pest. Journal of Rice Research. ANGRAU, Hyderabad. Year 2013
Characteristics of technology:	Highly remunerative greater reduction in input and well as labour cost.
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Percent disease incidence and insect pest infestation/hill					
T2(Recommended Practice)	Percent disease incidence and insect pest infestation/hill					
T3(Recommended Practice)	Percent disease incidence and insect pest infestation/hill					

2.1 Information about OFT: 18

Title of on-farm trial:	Integrated management of wilt disease in lentil.
Year/Season:	2020 / Rabi
Farming situation:	Semi-irrigated
Problem diagnosis:	Heavy incidence of wilt disease in lentil affected area 8000-10,000 ha, 100% yield reduction
Thematic area:	IDM
No of trials:	10
No. of farmers involved	50
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Seed treatment with ordinary available fungicides in the market.
T2 –Recommended Practice-	Seed treatment with Tebuconazole 2 DS
T3- Recommended Practice-	Seed treatment with Psudomonas floescence+ Carboxin 75WP + application of Zn and Mn salt at 80 ppm concentration on presoaked seed.+ Late sowing at proper depth 10-12 cm.
Date of sowing:	10 November 2020
Date of harvesting:	20 February 2021
Source of technology:	Anshul Arya and KPS Kushwaha. Evaluation of chemicals for the management of lentil wilt, caused by Fusarium oxysporum f.sp. lentis. Journal of Pharmacognosy and Phytochemistry 2018; 7(5): 2320-2323
Characteristics of technology:	Eco-friendly, Cost effective and easily operable
Name of Crop/Enterprises:	Lentil
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	1.No of disease plant/ sq.m 2.PDI					
T2(Recommended Practice)	1.No of disease plant/ sq.m 2.PDI					
T3(Recommended Practice)	1.No of disease plant/ sq.m 2.PDI					

OFT-19

Title of on-farm trial:	Assessment of knowledge and adoption of soil health card based fertilizer application
Year/Season:	2020/
Farming situation:	-
Problem diagnosis:	Poor knowledge about SHC recommendations
Thematic area:	CBD
No of trials:	600
No. of farmers involved	600
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers are not using fertilizers the SHC recommendations
T2 –Recommended Practice-	To find out the awareness, knowledge and adoption of farmers toward soil health card practices. To study the attitude of farmers towards soil health card recommendations
T3- Recommended Practice-	T2 + To study the constraints perceived by the farmers in adoption of soil health card recommendation.
Date of sowing:	-
Date of harvesting:	-
Source of technology:	-

Characteristics of technology:	This study will be conducted on 600 SHC farmers randomly selected villages from each block of the district. The primary data will be collected with the help of structured interview schedule by involving students and extension workers of the district, after collection the data, it will be statistically analyzed for adoption and knowledge level study of the farmers
Name of Crop/Enterprises:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Age, Education, Family size, Social Participation, Extension Participation, Mass media Exposure, Land holding, Family Income, Herd Size & Feed back.					
T2(Recommended Practice)	Age, Education, Family size, Social Participation, Extension Participation, Mass media Exposure, Land holding, Family Income, Herd Size & Feed back.					
T3(Recommended Practice)	Age, Education, Family size, Social Participation, Extension Participation, Mass media Exposure,					

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	Land holding, Family Income, Herd Size & Feed back.					

2.1 Information about OFT: 20

Title of on-farm trial:	Assessment of application of Molybdenum in pigeonpea
Year/Season:	2020/ Kharif
Farming situation:	Rainfed
Problem diagnosis:	Poor quality and yield due to no use of Mo.
Thematic area:	Soil fertility management
No of trials:	10
No. of farmers involved	30
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Application of 9 : 23 : 0 NPK Kg/ha, No application of Mo.
T2 – Recommended Practice	Seed Treatment with Ammonium Molybdate @ 1gm/Kg Seed
T3- Recommended Practice-	T2 + 8 ton FYM/ ha+5gm Rhizo./Kg Seed
Date of sowing:	15 July 2020
Date of harvesting:	10 January 2021
Source of technology:	RVSKVV, 2009
Characteristics of technology	Molybdenum enhance nodulation in pigeonpea
Name of Crop/Enterprises:	Pigeonpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of nodules/plant, No. of pods/plant, Yield q/ha					
T2(Recommended Practice)	No. of nodules/plant, No. of pods/plant, Yield q/ha					
T3(Recommended Practice)	No. of nodules/plant, No. of pods/plant, Yield q/ha					

2.1 Information about OFT: 21

Title of on-farm trial:	Assessment of application of Sulphur + Vermicompost in linseed
Year/Season:	2020/ Rabi
Farming situation:	Semi-irrigated
Problem diagnosis:	Poor quality and yield due to no use of Sulphur.
Thematic area:	Soil fertility management
No of trials:	10
No. of farmers involved	30
Type of OFT (Assessment/ Refinement):	Refinement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Application of 4.5: 11.5 : 0 : 0 NPK S Kg/ha
T2 –Recommended Practice-	RDF on STV (60: 30: 20 : 40)NPKS Kg/ha
T3- Recommended Practice-	T2 + Soil application of PSB 10 Kg/ha with vermicompost @ 5 ton/ha.
Date of sowing:	25 October 2020
Date of harvesting:	20 February 2021
Source of technology:	JNKVV, 2007

Characteristics of technology:	Sulphur improves soil fertility and quality of produce
Name of Crop/Enterprises:	Linseed
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of capsules/plant, Yield q/ha					
T2(Recommended Practice)	No. of capsules/plant, Yield q/ha					
T3(Recommended Practice)	No. of capsules/plant, Yield q/ha					

2.2. Information about Extension OFT: 22

Title	Assessment of processing and marketing of pulses among FPO members
Season & Year	Kharif and Rabi 2020
Problem identified	Lack of entrepreneurship development
Thematic Area	Entrepreneurship development and group dynamics
Farming situation	Rain fed
Name of Technology under study	Processing and marketing of pulses among FPO members
Farmers Practice	Selling of pulses without processing
No. of replication (Farmers)	20

Results / findings

Performance indicators/ parameters	Unit/ details
Marketing linkage, income, involvement in entrepreneurship development BC ratio	

Title	Assessment of FPO members' performance in organic inputs production and marketing
Season & Year	Kharif and Rabi 2020
Problem identified	Unorganized farming community
Thematic Area	Entrepreneurship development and group dynamics
Farming situation	Rain fed / Irrigated
Name of Technology under study	Organic inputs production and marketing
Farmers Practice	No use of organic inputs and its marketing
No. of replication (Farmers)	20

Results / findings

Performance indicators/ parameters	Unit/ details
Inputs saving income, employment generation, BC ratio	

OFT-23

Title	Assessment of entrepreneurship development among FPO member regarding forest based lively hood activity
Season & Year	Kharif and Rabi 2020-21
Problem identified	Not involvement of landless in lively hood activities
Thematic Area	Entrepreneurship development and group dynamics
Farming situation	Rain fed / Irrigated
Name of Technology under study	Forest based lively hood activity
Farmers Practice	Unawareness regarding forest based lively hood activity
No. of replication (Farmers)	20

Results / findings

Performance indicators/ parameters	Unit/ details
Employment generation, BC ratio participation in group activities	

OFT 24

Title	Assessment of Channel loss to the farmers at different levels of Mandi
Season & Year	Kharif and Rabi 2020-21
Problem identified	Economic Problems faced by farmers in mandies

Thematic Area	Market linkage
Farming situation	-
Name of Technology under study	Losses occurred at different levelsof value chain
Farmers Practice	Local , block and district level of Mandi
No. of replication (Farmers)	90

Results / findings

Performance indicators/ parameters	Unit/ details
Employment generation, BC ratio participation in group activities	

OFT 25

Title	Assessment of Social Media (Whats App) through video messaging in Dissemination of specific and Targetted Technology of wilt management in chick pea.
Season & Year	Rabi 2020
Problem identified	Delay and inaccuracy in information dissemination
Thematic Area	ICT
Farming situation	Rainfed
Name of Technology under study	Effect of Social Media
Farmers Practice	Slow Channels of Information
No. of replication (Farmers)	120

Results / findings

Performance indicators/ parameters	Unit/ details
Employment generation, BC ratio participation in group activities	

OFT 26

Title	Assessment of Custom Hiring Centers for leased land farming
Season & Year	Rabi 2020
Problem identified	Low efficiency of CHCs
Thematic Area	Service provider's linkage
Farming situation	Rainfed

Name of Technology under study	Efficiency enhance ment
Farmers Practice	Under utilization of farm machineries
No. of replication (Farmers)	2

Results / findings

Performance indicators/ parameters	Unit/ details
Employment generation, BC ratio participation in group activities	

2.3. Information about Home Science OFT-1:

Title of on-farm trial:	Assessment of Efficiency of Farm Women in Seed Management of Gram for Increased Protein Availability
Year/Season:	Rabi 2020-21
Problem diagnosis:	Lack of organically produced protein in daily diet of families.
Thematic area:	Nutritional Security and Women in Agriculture
No of trials:	10
No. of farmers/farm women involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Sowing of gram without grading, cleaning, germination test and seed treatment, Use of Insecticide
T2 –Recommended Practice-	Seed cleaning (Sieving), grading and (Manual cleaning), Germination Test, Seed Treatment with Rhizobium, PSB and Trichoderma, Organic Practices (Intercropping with Coriander and Use of Bird Perches)
Source of technology:	JNKVV, ICMR and NIN
Characteristics of technology:	Protein is essential of muscle building and maintenance of body tissues. Seed grading, cleaning, germination test and seed treatment is a healthy practice for plant growth intercropping with coriander and use of bird perches is protective to the crop. Production of coriander is additional benefit.
Name of Crop/Enterprises:	Gram + Coriander (Intercropping)

Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

2.3. Information about Home Science OFT-2:

Title of on-farm trial:	Assessment of Efficiency of Farm Women in Increased Availability of Protein through Utilization of Bunds for Pigeon Pea (Arhar) production.
Year/Season:	Kharif 2020-21
Problem diagnosis:	Lack of source for the family.
Thematic area:	Nutritional Security and Women in Agriculture
No of trials:	10
No. of farmers/farm women involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Sowing of Pigeon Pea on flat field. without seed treatment.
T2 –Recommended Practice-	Pigeon pea cultivation on bunds with seed treatment of Rhizobium, PSB and Trichoderma
Source of technology:	JNKVV, ICMR and NIN
Characteristics of technology:	Protein is essential of muscle building and maintenance of body tissues. Seed grading, cleaning, germination test and seed treatment is a healthy practice for plant growth intercropping with coriander and use of bird perches is protective to the crop. Production of coriander is additional benefit.
Name of Crop/Enterprises:	Pigeon Pea on Bunds + Seed Treatment
Farming situation:	Rainfed
Date of sowing:	
Date of harvesting:	

Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

2.3. Information about Home Science OFT-3:

Title of on-farm trial:	Assessment of Income Generation of Farm Women by Value Addition of Anwala
Year/Season:	Rabi 2019-20
Problem diagnosis:	Less Income of the Farm Family.
Thematic area:	Income Generation
No of trials:	10
No. of farmers/farm women involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	No processing of Anwala (Candy and Pickle)
T2 –Recommended Practice-	Processing and Preservation of Anwala (Murabba and Pickle Making)
Source of technology:	CFTRI and JNKVV
Characteristics of technology:	Murabba will be preserved in Sugar Pickle will be preserved in salt and oil.
Name of Crop/Enterprises:	Processing and preservation of Anwala.
Farming situation:	-
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

2.3. Information about Home Science OFT-4:

Title of on-farm trial:	Assessment of Income Generation of Farm Women by Value Addition of Gram
Year/Season:	Rabi 2019-20
Problem diagnosis:	Less Income of the Farm Family.
Thematic area:	Income Generation
No of trials:	10
No. of farmers/farm women involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	No processing of Gram
T2 –Recommended Practice-	Processing Gram (Dal, Flour and Bundi)
Source of technology:	CFTRI and JNKVV
Characteristics of technology:	Hand and Machine pounding for Dal Making Grinding for flour making Frying for Bundi making.
Name of crop/Enterprises:	Processing and preservation of Gram.
Farming situation:	-
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise: -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/ enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.3 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	CPM	Package demonstration of improved variety of Soybean(RVS 2001-04) for irrigated situation	Oilseed	Soybean	RVS 2001-04	Irrigated		02				3	3	2	2	10

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	CPM	Package demonstration of improved variety of Blackgram Mash 379 for irrigated situation	Pulse	Black gram	Mash 379	Irrigated		02				3	3	2	2	10
2020	Rabi	CPM	Package demonstration of Barley variety RD 2899 under rain fed condition	Cereal	Barley	RD 2899	Rainfed		4.5				3	3	3	3	12
2020	Rabi	RC	Demonstration of Wheat sowing in heavy textured soil with the use of happy	Cereal	Wheat	JW 3211	Irrigated		02				3	3	2	2	10

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			seeder														
2020	Kharif	PLP	Management of Stemphyllium blight disease in kharif onion	Vegetables	Onion	AFDR	Irrigated		02				3	3	2	2	10
2020	Kharif	PLP	Management of MYMV in black gram	Pulses	Black gram	IPU 94-1	Rainfed		02				3	3	2	2	10
2020	Rabi	IDM	Performance of IDM module of flag smut in wheat	Cereals	Wheat	GW 322	Irrigated		02				3	3	2	2	10
2020	Whole year	Enterprises	Promotion of oyster mushroom cultivation as an additional source of income for landless farmers	Mushroom	Mushroom	Pleurotus spp	Irrigated		20				5	5	5	5	20

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	PLP	Performance of IDM module for the management of YMV in Soybean	Oil Seed	Soybean	RVS 2001-4	Irrigated		04						07	03	10
2020	Rabi	PLP	Performance of IPM module against Chickpea pod borer	Pulses	Chickpea	JG 12	Irrigated		04						06	04	10
2020	Kharif	-	Performance of Solar treatment with raised bed nursery	Vegetables			Irrigated		0.25						5	5	10
2020	Kharif	VC	Performance of Kharif coriander variety pant haritma for leaf purpose	Spices	Coriander	pant haritma	Irrigated		01						5	5	10

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Rabi	VC	Performance of Capsicum variety Indra	Vegetables	Capsicum	Indra	Irrigated		1.5						5	5	10
2020	Kharif	ICM	Package demonstration of improved variety of Soybean(RVS 2001-04)	Oil seed	Soybean	RVS2001-04	Semi-Irrigated		10								25
2020	Kharif	ICM	Package demonstration of improved variety of Blackgram (Mash 379)	Pulses	Black gram	Mash 379	Rainfed		20								50
2020	Kharif	ICM	Package demonstration of improved variety of pigeonpea (Rajeshwar)	Pulses	Pigeonpea	Rajeshwar	Rainfed		20								50

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			i)														
2020	Kharif	ICM	Performance of direct seeding technique of Rice in rainfed conditions with JR81	Cereal	Rice	JR81	Irrigated		4								10
2020	Kharif	ICM	Performance of Transplanted technique of Rice in irrigated conditions with MTU1010	Cereal	Rice	MTU1010	Irrigated		4								10
2020-21	Rabi	ICM	Package demonstration of improved variety of chickpea (JG12)	Pulses	Chickpea	JG12	Irrigated		10								25

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Rabi	ICM	Package demonstration of improved variety of linseed (JLS73)	Oilseeds	Linseed	JLS73	Semi irrigated		20								50
2020-21	Rabi	ICM	Package demonstration of improved variety of wheat (HI1544)	Cereals	Wheat	HI1544	Irrigated		4								10
2020-21	Zaid	ICM	Package demonstration of improved variety of greengram (MH421)	Pulses	Greengram	MH421	Irrigated		10								25
2020	Kharif	INM	Performance of Zinc in Rice on targeted yield (45 q/ha) on STV.	Cereals	Rice	MTU 1010	Irrigated		02				3	3	2	2	10

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	INM	Performance of INM in Black gram on STV.	Pulses	Black gram	PU 35	Rainfed		02				3	3	2	2	10
2020	Rabi	Nutrient Management	Performance of Sulphur application in targeted yield (10q/ha) of mustard on STV	Oilseeds	Mustard	Pusa Tarak	Semi-irrigated		02				3	3	2	2	10
2020	Rabi	Nutrient Management	Performance of Zinc in Wheat on targeted yield (45 q/ha) on STV.	Cereals	Wheat	GW 322	Irrigated		20				5	5	5	5	20
2020	Rabi	CT	Performance of Wall Paintings for Improving	Pulses /Cereals	Gram/Wheat	--	----		50								50

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			Technical Knowledge of Farmers regarding good agricultural practices														

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
HYV RVS 2001-04, Seed treatment with carbendazim@ 2.5 g/kg seed+Thiamethoxam@ 10ml/kg seed + liquid biofertilizers Rhizo+PSB, STV based nutrient management, Ridge & Furrow method of sowing, I W M and IPM	Soybean	No.of pods/plant Yield q/ha										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Mash 379 (improved seed)+Raised bed sowing method+seed treatment with Carbendazin+Mancozeb50%WP (1:2) 3g/kg of seed+Thiomethaxam 30% FS 10ml/kg of seed	Blackgram	No.of pods/plant Yield q/ha										
seed treatment with vitavax powar 3g/kg of seed	Barley	No. of tillers/plant Yield q/ha										
In heavy textured soil use of happy seeder for sowing of wheat	Wheat	No. of tillers/plant Yield q/ha										
Seedling dip treatment with Chlorothalonil @ 0.6gm/lit followed by its foliar application at 45 DAT @ 1.5 ml / lit of water.	Onion	Percent disease incidence										
Use tolerant variety PU 35 / IPU 94-1+Seed treatment with Thiomethoxam 30% followed by early spray of Imidacloprid	Blackgram	1.No. of diseased plant/sq.m 2. Yield										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Seed Treatment with Tebuconazole 2 DS	Wheat	1.No of infected spike. 2.Disease incidence %										
Promotion of oyster mushroom cultivation as an additional source of income	Pleurotus spp	1.Yield potential on various substrates										
Performance of IDM module for the management of YMV in Soybean	Soybean	1. No. of larvae/meter row length 2. Yield (q/ha)										
Performance of IPM module against Chickpea pod borer	Chickpea	1. Per cent disease intensity 2. Yield (q/ha)										
Performance of Solar treatment with raised bed nursery	-	Solar treatment with raised bed nursery										
Performance of Kharif coriander variety pant haritma for leaf purpose	Coriander	Kharif coriander for high value intake										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Performance of Capsicum variety Indra	Capsicum	Rabi capsicum for high value intake										
Package demonstration of improved variety of Soybean(RVS 2001-04)	Soybean	1. No. of pods/plant 2. Yield q/ha 3. Net return (Rs/ha) 4. B:C ratio										
Package demonstration of improved variety of Blackgram (Mash 379)	Blackgram	1. No. of pods/plant 2. Yield q/ha 3. Net return (Rs/ha) 4. B:C ratio										
Package demonstration of improved variety of pigeonpea (Rajeshwari)	Pigeonpea	1. No. of pods/plant 2. Yield q/ha 3. Net return (Rs/ha) 4. B:C ratio										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Performance of direct seeding technique of Rice in rainfed conditions with JR81	Rice	1.No. of tillers/m ² 2. No. of panicles/ m ² 3.Seed yield q/ha 4. B:C ratio										
Performance of Transplanted technique of Rice in irrigated conditions with MTU1010	Rice	1.No. of tillers/m ² 2. No. of panicles/ m ² 3.Seed yield q/ha 4. B:C ratio										
Package demonstration of improved variety of chickpea (JG12)	Chickpea	1. No. of pods/plant 2. Yield q/ha 3. Net return (Rs/ha) 4. B:C ratio										
Package demonstration of improved variety of linseed (JLS73)	Linseed	1. No. of capsule/plant 2. Yield q/ha 3. Net return (Rs/ha) 4. B:C ratio										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Package demonstration of improved variety of wheat (HI1544)	Wheat	1.No. of tillers/m ² 2. No. of ears/m ² 3. Seed yield q/ha 4. B:C ratio										
Package demonstration of improved variety of greengram (MH421)	Green gram	1. No. of pods/plant 2. Yield q/ha 3. Net return (Rs/ha) 4. B:C ratio										
FN=4.25T-0.45 SN, FP2O5=3.55 T – 4.89 SP, FK2O=2.1 T- 0.18 SK + 25 kg ZnSO4 + 5 ton FYM/ha	Rice	No. of panicles/hill, yield q/ha										
RDF on STV (20: 50: 20)NPK Kg/ha + Soil application of PSB 10 Kg/ha with FYM @ 5 ton/ha + Seed inoculation with Rhizobium @ 5gm/Kg seed.	Blackgram	No. of nodules/plant, yield q/ha										
FN=9.11T-0.37 SN, FP2O5=3.61 T – 0.75 SP, FK2O=4.66 T- 0.13 SK + 20kg Sulphur + 5 ton FYM/ha	Mustard	No. of siliquae / plant, yield q/ha										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
FN=4.40T-0.40 SN, FP2O5=4.00 T – 4.58 SP, FK2O=2.53 T- 0.16 SK + 30 kg ZnSO4 + 5 ton FYM/ha	Wheat	No. of tillers / plant, yield q/ha										

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology / Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	Nutritional Security	Dual Purpose Olericultural Kitchen Garden	Seasonal Vegetables	Seasonal Vegetables	Hybrids and Varieties	Rainfed	Irrigated						
2020	Rabi	Nutritional Security	Dual Purpose Olericultural Kitchen Garden	Seasonal Vegetables	Seasonal Vegetables	Hybrids and Varieties	Rainfed	Irrigated						
2020	Kharif	Nutritional Security	Dual Purpose pomological Kitchen Garden	Seasonal Fruits	Seasonal Fruits	Safeda, Amrapali and Kagzi, honey Dew, PKM1	Rainfed	Irrigated						
2020	Kharif	Nutritinal supplementation of Kitchen garden	Demonstration of Efficiency of Farm Women in Wormy Composting	Round the year	Wormy Composting	Isoenia foetida	-	-						

Economic Performance Home Science FLD: (Drudgery Reduction)

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Crop Production	Weed Management											
		Crop Production	Resource Conservation Technologies											
		Crop Production	Cropping Systems											
		Crop Production	Crop Diversification											

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Crop Production	Integrated Farming											
		Crop Production	Micro irrigation/irrigation											
		Crop Production	Seed production											
		Crop Production	Nursery management											
		Crop Production	Integrated Crop Management											
		Crop Production	Soil & water conservation											
		Crop Production	Integrated nutrient Management											
		Crop Production	Production of organic inputs											
		Crop Production	Others(Pl. Specify)											
		Horticulture (Vegetable Crops)	Production of low volume and high value crops											
		Horticulture (Vegetable Crops)	Off season vegetables											
		Horticulture (Vegetable Crops)	Nursery raising											
		Horticulture (Vegetable Crops)	Exotic vegetables											
		Horticulture (Vegetable Crops)	Export potential vegetables											
		Horticulture (Vegetable Crops)	Grading and standardization											
		Horticulture (Vegetable Crops)	Protective cultivation											
		Horticulture (Vegetable Crops)	Others(Pl. Specify)											
		Horticulture (Fruits)	Training and Pruning											
		Horticulture (Fruits)	Layout and Management of Orchards											

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Horticulture (Fruits)	Cultivation of Fruit											
		Horticulture (Fruits)	Management of young plants/orchards											
		Horticulture (Fruits)	Rejuvenation of old orchards											
		Horticulture (Fruits)	Export potential fruits											
		Horticulture (Fruits)	Micro irrigation systems of orchards											
		Horticulture (Fruits)	Plant propagation techniques											
		Horticulture (Fruits)	Others (Pl. Specify)											
		Horticulture (Ornamental Plants)	Nursery Management											
		Horticulture (Ornamental Plants)	Management of potted plants											
		Horticulture (Ornamental Plants)	Export potential of ornamental plants											
		Horticulture (Ornamental Plants)	Propagation techniques of Ornamental Plants											
		Horticulture (Ornamental Plants)	Others (Pl. Specify)											
		Horticulture(Plantation crops)	Production and Management technology											
		Horticulture(Plantation crops)	Processing and value addition											
		Horticulture(Plantation crops)	Others (Pl. Specify)											
		Horticulture(Tuber crops)	Production and Management technology											
		Horticulture(Tuber crops)	Processing and value addition											

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		crops)												
		Horticulture(Tuber crops)	Others (Pl. Specify)											
		Horticulture(Spices)	Production and Management technology											
		Horticulture(Spices)	Processing and value addition											
		Horticulture(Spices)	Others (Pl. Specify)											
		Horticulture(Medicinal and Aromatic Plants)	Nursery management											
		Horticulture(Medicinal and Aromatic Plants)	Production and management technology											
		Horticulture(Medicinal and Aromatic Plants)	Post harvest technology and value addition											
		Horticulture(Medicinal and Aromatic Plants)	Others (Pl. Specify)											
		Soil Health and Fertility Management	Soil fertility management											
		Soil Health and Fertility Management	Integrated water management											
		Soil Health and Fertility Management	Integrated Nutrient Management											
		Soil Health and Fertility Management	Production and use of organic inputs											
		Soil Health and Fertility Management	Management of Problematic soils											

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Soil Health and Fertility Management	Micro nutrient deficiency in crops											
		Soil Health and Fertility Management	Nutrient Use Efficiency											
		Soil Health and Fertility Management	Balance Use of fertilizer											
		Soil Health and Fertility Management	Soil & water testing											
		Soil Health and Fertility Management	Organic Farming											
		Soil Health and Fertility Management	Others (Pl. Specify)											
		Livestock Production and Management	Dairy Management											
		Livestock Production and Management	Poultry Management											
		Livestock Production and Management	Piggery Management											
		Livestock Production and Management	Rabbit Management											
		Livestock Production and Management	Animal Nutrition Management											
		Livestock Production and Management	Disease Management											
		Livestock Production and Management	Feed & fodder technologies											
		Livestock Production and Management	Production of quality animal products											

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Livestock Production and Management	Others (Pl. Specify)											
		Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening											
		Home Science/Women empowerment	Design and development of low/minimum cost diet											
		Home Science/Women empowerment	Designing and development for high nutrient efficiency diet											
		Home Science/Women empowerment	Minimization of nutrient loss in processing											
		Home Science/Women empowerment	Processing & cooking											
		Home Science/Women empowerment	Gender mainstreaming through SHGs											
		Home Science/Women empowerment	Storage loss minimization techniques											
		Home Science/Women empowerment	Value addition											
		Home Science/Women empowerment	Women empowerment											

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Home Science/Women empowerment	Location specific drudgery reduction technologies											
		Home Science/Women empowerment	Rural Crafts											
		Home Science/Women empowerment	Women and child care											
		Home Science/Women empowerment	Others (Pl. Specify)											
		Agril. Engineering	Farm machinery & its maintenance											
		Agril. Engineering	Installation and maintenance of micro irrigation systems											
		Agril. Engineering	Use of Plastics in farming practices											
		Agril. Engineering	Production of small tools and implements											
		Agril. Engineering	Repair and maintenance of farm machinery and implements											
		Agril. Engineering	Small scale processing and value addition											
		Agril. Engineering	Post Harvest Technology											
		Agril. Engineering	Others (Pl. Specify)											
		Plant Protection	Integrated Pest Management											
		Plant Protection	Integrated Disease Management											
		Plant Protection	Bio0control of pests and diseases											
		Plant Protection	Production of bio control agents											

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
			and bio pesticides											
		Plant Protection	Others (Pl. Specify)											
		Fisheries	Integrated fish farming											
		Fisheries	Carp breeding and hatchery management											
		Fisheries	Carp fry and fingerling rearing											
		Fisheries	Composite fish culture											
		Fisheries	Hatchery management and culture of freshwater prawn											
		Fisheries	Breeding and culture of ornamental fishes											
		Fisheries	Portable plastic carp hatchery											
		Fisheries	Pen culture of fish and prawn											
		Fisheries	Shrimp farming											
		Fisheries	Edible oyster farming											
		Fisheries	Pearl culture											
		Fisheries	Fish processing and value addition											
		Fisheries	Others (Pl. Specify)											
		Production of Input at site	Seed Production											
		Production of Input at site	Planting material production											
		Production of Input at site	Bio0agents production											
		Production of Input at site	Bio0pesticides production											
		Production of Input at site	Bio0fertilizer production											

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Production of Input at site	Vermicompost production											
		Production of Input at site	Organic manures production											
		Production of Input at site	Production of fry and fingerlings											
		Production of Input at site	Production of Bee colonies and wax sheets											
		Production of Input at site	Small tools and implements											
		Production of Input at site	Production of livestock feed and fodder											
		Production of Input at site	Production of Fish feed											
		Production of Input at site	Mushroom production											
		Production of Input at site	Apiculture											
		Production of Input at site	Others (Pl. Specify)											
		Capacity Building and Group Dynamics	Leadership development											
		Capacity Building and Group Dynamics	Group dynamics											
		Capacity Building and Group Dynamics	Formation and Management of SHGs											
		Capacity Building and Group Dynamics	Mobilization of social capital											

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths											
		Capacity Building and Group Dynamics	WTO and IPR issues											
		Capacity Building and Group Dynamics	Others (Pl. Specify)											
		Agro forestry	Production technologies											
		Agro forestry	Nursery management											
		Agro forestry	Integrated Farming Systems											
		Agro forestry	Others (Pl. Specify)											

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Nursery Management of Horticulture crops											
RY		Training and pruning of orchards											
RY		Protected cultivation of vegetable crops											
RY		Commercial fruit production											
RY		Integrated farming											
RY		Seed production											
RY		Production of organic inputs											
RY		Planting material production											
RY		Vermi culture											
RY		Mushroom Production											
RY		Bee keeping											
RY		Sericulture											

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Repair and maintenance of farm machinery and implements											
RY		Value addition											
RY		Small scale processing											
RY		Post Harvest Technology											
RY		Tailoring and Stitching											
RY		Rural Crafts											
RY		Production of quality animal products											
RY		Dairying											
RY		Sheep and goat rearing											
RY		Quail farming											
RY		Piggery											
RY		Rabbit farming											
RY		Poultry production											
RY		Ornamental fisheries											
RY		Composite fish culture											
RY		Freshwater prawn culture											
RY		Shrimp farming											
RY		Pearl culture											
RY		Cold water fisheries											
RY		Fish harvest and processing technology											
RY		Fry and fingerling rearing											
RY		Others(Pl. Specify)											

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS		Productivity enhancement in field crops											
IS		Integrated Pest Management											
IS		Integrated Nutrient management											
IS		Rejuvenation of old orchards											
IS		Protected cultivation technology											
IS		Production and use of organic inputs											
IS		Care and maintenance of farm machinery and implements											
IS		Gender mainstreaming through SHGs											
IS		Formation and Management of SHGs											
IS		Women and Child care											
IS		Low cost and nutrient efficient diet designing											
IS		Group Dynamics and farmers organization											
IS		Information networking among farmers											
IS		Capacity building for ICT application											
IS		Management in farm animals											
IS		Livestock feed and fodder production											
IS		Household food security											
IS		Others(Pl. Specify)											

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
Crop production and management	Commercial floriculture													

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
Crop production and management	Commercial fruit production													
Crop production and management	Commercial vegetable production													
Crop production and management	Integrated crop management													
Crop production and management	Organic farming													
Crop production and management	Others(Pl. Specify)													
Post harvest technology and value addition	Value addition													
Post harvest technology and value addition	Others(Pl. Specify)													
Livestock and fisheries	Dairy farming													
Livestock and fisheries	Composite fish culture													
Livestock and fisheries	Sheep and goat rearing													
Livestock and fisheries	Piggery													
Livestock and fisheries	Poultry farming													
Livestock and fisheries	Others(Pl. Specify)													
Income generation activities	Vermi-composting													
Income generation activities	Production of bio-agents, bio-pesticides,													
Income generation activities	Bio-fertilizers etc.													
Income generation activities	Repair and maintenance of farm machinery & implements													

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
Income generation activities	Rural Crafts													
Income generation activities	Seed production													
Income generation activities	Sericulture													
Income generation activities	Mushroom cultivation													
Income generation activities	Nursery, grafting etc.													
Income generation activities	Tailoring, stitching, embroidery, dying etc.													
Income generation activities	Agril. para0workers, para0vet training													
Income generation activities	Others(Pl. Specify)													
Agricultural Extension	Capacity building and group dynamics													
Agricultural Extension	Others(Pl. Specify)													

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Oth		SC		ST			
							M	F	M	F	M	F	M	F		
		Crop production and management	Increasing production and productivity of crops													
		Crop production and management	Commercial production of vegetables													
		Crop production and management	Production and value addition													
		Crop production and management	Fruit Plants													
		Crop production and management	Ornamental plants													
		Crop production and management	Spices crops													
		Crop production and management	Soil health and fertility management													
		Crop production and management	Production of Inputs at site													
		Crop production and management	Methods of protective cultivation													
		Crop production and management	Others(Pl. Specify)													
		Post harvest technology and value addition	Processing and value addition													
		Post harvest technology and value addition	Others(Pl. Specify)													
		Farm machinery	Farm machinery, tools and implements													
		Farm machinery	Others(Pl. Specify)													

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Oth		SC		ST			
							M	F	M	F	M	F	M	F		
		Livestock and fisheries	Livestock production and management													
		Livestock and fisheries	Animal Nutrition Management													
		Livestock and fisheries	Animal Disease Management													
		Livestock and fisheries	Fisheries Nutrition													
		Livestock and fisheries	Fisheries Management													
		Livestock and fisheries	Others(Pl. Specify)													
		Home Science	Household nutritional security													
		Home Science	Economic empowerment of women													
		Home Science	Drudgery reduction of women													
		Home Science	Others(Pl. Specify)													
		Agricultural Extension	Capacity Building and Group Dynamics													
		Agricultural Extension	Others(Pl. Specify)													

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura- tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening		
Design and development of low/minimum cost diet		
Designing and development for high nutrient efficiency diet		
Minimization of nutrient loss in processing		
Processing and cooking		
Gender mainstreaming through SHGs		
Storage loss minimization techniques		
Value addition		
Women empowerment		
Location specific drudgery reduction technologies		
Rural Crafts		
Women and child care		
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture		

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Crop Production		
Horticulture		
Soil Health and Fertility Management		
Livestock Production and Management		
Agril. Engineering		

Area of Training	Jan-Dec-2019	
	Courses	Participants
Plant Protection		
Fisheries		
Production of Input at site		
Capacity Building and Group Dynamics		
Agro forestry		

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic													
Animal Health Camp													
Awareness programme													
Celebration of important days													
Diagnostic visits													
Exhibition													
Exposure visits													
Ex-trainees Sammelan													

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Farm advisory Services													
Farmers visit to KVK													
Field Day													
Group meetings													
Kisan Ghosthi/Sammelan													
Kisan Mela													
Krishi Mahotsav													
Lectures delivered as resource persons													
Mahila Mandals conveners meetings													
Method Demonstrations													
Pradhanmantri phasal beema yojana													
Scientific visit to farmers field													
Self Help Group conveners meetings													
Soil health Camp													
Soil test campaigns													
Technology Week													
Radio talks													
Extension literature													
TV talks													
Newspaper coverage													
Film Show													
Others													

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks				
TV talks				
Newspaper coverage				
Internet (Youtube)				
Social media (Whats App, Facebook, Instagram, Twitter etc.)				

7. Literature Developed/Published**7.1 KVK Newsletters (Jan to Dec. 2020)**

Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
January to March 2020	Q1			
April to June 2020	Q2			
July to September 2020	Q3			
October to December 2020	Q4			

7.2 Literature developed/published

KVK Name	Type	Number of copies
	Abstract	
	Book	
	Book Chapter	
	Booklet	
	Leaflets/ Folder/ Pamphlet	
	Popular article	
	Technical Bulletin	
	Training Manual	
	Technical Report	
	Year Planner	
	Others (pl. specify)	

Research paper /Review paper published during Jan to Dec. 2020

Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost					
	Azolla					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Earthworms					
	Compost					
	Blue green algae					
	NADEP					
	Sanjeevani Khad					
	Acetobactor					
	Aspergillus					
	Azotobactor					
	Azospirillum					
	Phosphate solubilizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					
Bio-Food	Spirulina					
	Honey					
	Any Other (pl. sp.)					
Bio Pesticides	Neem extract					
	Neem powder					
	Tobacco extract					
	Trichoderma viride					
	Trichoderma harjinum					
	Trichogramma chilonis					
	Beauveria bassiana					
	Metarhizium anisopliae					
	Pseudomonas fluorescens					
	SINPV					
	HaNPV					
	GF1					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea					
	Tricho card					
	Any other (Pl. Specify)					
Bio Agents (Pyrilla parasitoids)	Ooencyrtus papilionis					
	Epiricania melanolauca					
Bio Agents (Worms)	Assinia foetida					
	Eudrilus eugeniae					
	Euclina Uginiae					
	Eisenia foetida					
	Earth worm					
	Any other (pl. specify)					
Others	Mushroom spawn					
	Mineral Mixture					
	Cow dung (dry)					
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow						
	Calves						
	Goats						
	Buffaloes						
	Sheep						
	Breeding bull						
	Other (pl specify)						
Poultry	Poultry						
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
	Other						
Piggery	Piglets						
	Boar						
	Sow						
	Other (pl specify)						
Fisheries	Indian carp						
	Exotic carp						
	Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
	Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	by KVKs		By Department	By KVK		By Department			Through Mini Soil Testing kit	Through Soil testing laboratory
					Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory					

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology					
		Integrated Farming					
		Field Preparation					
		Any Other (Specify)					
2	Weather	Advisory					
		Change in variety					
		Change in Sowing technique					
		Climate forecast					
		Any Other (Specify)					
3	Soil Management	Soil Testing					
		INM					
		Fertilizer Application					
		Vermicomposting/ bio-waste recycling					
		Bio-fertilizer					
		Any Other (Specify)					
4	Disease & Pest Management	Disease Management					
		Pest Management					
		Preventive Advisory Disease Management					
		Preventive Advisory Pest Management					
		Bio-pesticides					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Any Other (Specify)					
5	Nutrition Security & Women Empowerment	Nutrition Awareness					
		Kitchen garden					
		Value Addition and Processing					
		Drudgery Reduction					
		Entrepreneurship & Income Generation					
		Advisory					
		Any Other (Specify)					
6	Horticulture	Vegetable					
		Fruit					
		Hi Tech Horticulture					
		Any Other (Specify)					
7	Livestock	Feed and Fodder					
		Dairy Management					
		Fisheries					
		Poultry Management					
		Vaccination & Disease management					
		Any Other(Specify)					
8	Farm Mechanization						
9	Extension						
10	Organic Farming						
11	Marketing						
12	Awareness						
13	Other Enterprise						
14	Any Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/National)	Awarding Organizations	Amount received

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive

Intensive- OFTS, FLDS etc ; **Extensive-** Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*

26. KVK Ring

Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
		Your KVK	Other KVK	

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks

28. Status of KVK Website during Jan to Dec. 2020

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	Gosthies			
	Lectures organized			
	Exhibition			
	Film show			
	Fair			
	Farm/ Field Visit			
	Diagnostic Practical's			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Distribution of Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology			

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	week			
	Animal health camp			
	Awareness programme			
	Demonstration			
	Exposure visit			
	Ex-trainees Meet			
	Farmer scientist interaction			
	Farmers Training			
	Gajarghans Unmulan Pakhwada			
	Group Meeting			
	Jai Kisan Jai Vigyan Sangoshthi			
	Plant Protection Week			
	Seed treatment campaign			
	Self Help Group convener meet			
	Soil health Camp			
	Swachha Bharat Abhiyan			
	Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Saplings				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

38. Activities for Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	
Title	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies

15. KVK, Sagar-I

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	21	132	-	-	-
FLDs – Oilseeds (activity in ha)	10	25	10	25	-
FLDs – Pulses (activity in ha)	10	100	40	100	-
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	19	80			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	03	3			
Training-Farmers and farm women	58	1450			
Training-Rural youths	07	175			
Training- Extension functionaries	07	180			
Extension Activities	80	10500			
Seed Production (Number of activity as seeds in quintal)	815	-			
Planting material ((Number of activity as quantity of planting material in quintal)	-	-			
Seedling Production (Number of activity as number of seedlings in numbers)	75000	-			
Sapling Production (Number of activity as number of sapling in numbers)	5100	-			
Other Bio- products (No. of quantity)	1250 kg	1000			
Live stock products	-	-			
Activities of Soil and Water Testing Laboratory	700	1000			
Rainwater Harvesting System	01	-			
Kisan Mobile Advisory (KVK-KMA)	48	85000			
SAC Meeting (Date & no. of core/ official members)	01	25			
Literature to be Developed/Published	10	5000			
Convergence programmes / Sponsored programmes	10	300			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel	05	100			
Utilization of Staff Quarters	05	-			
Details of KVK Agro-technological Park	03	2500			
Crop Cafeteria-	02	2500			
Farm Innovators- list of 10 farm innovators from the District	01	25			
Status of Revolving Funds	-	-			
Awards and Recognitions	01	-			
Case study / Success Story to be developed	02	-			
KVK Progressive Farmers interaction	01	100			
Outreach of KVK in the District (No. of blocks, no. of villages)	11	15000			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	01	03			
Important visitors to KVK	05	500			
Status of KVK Website	02	-			
Status of RTI	-	-			
E-connectivity	02	250			
Details of Technology Week Celebrations	01	250			
Interventions on Drought Mitigation					
Proposal of NAIP					
Proposal of NICRA					
Well labeled photographs					
Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Senior Scientist & Head	Dr. K. S. Yadav	Horticulture	Ph.D	Horticulture	37400-67000	557110	15.5.2012	Temporary	OBC
Scientist	Dr. Mamta Singh	Plant Breeding & Genetics	Ph.D	Plant Breeding	15600-39100	35830	13.2.2007	Temporary	Others
Scientist	Dr. OP Bharti	Plant Protection	Ph.D	Plant Pathology	15600-39100	21600	18.08.2017	Temporary	Others
Scientist	Dr. Vaishali Sharma	Soil Science	Ph. D.	Soil Science	15600-39100	21600	29.9.2017	Temporary	Others
Scientist		-	-	-	-	-	-	-	-
Scientist		-	-	-	-	-	-	-	-
Scientist		-	-	-	-	-	-	-	-
Programme Assistant	Shri Mayank Mehra	Home /food Science	M.Sc (Ag)	Food Science	9300-34800	13500	28.1.2019	Temporary	SC
Programme Assistant	Dr. Neha Sharma	Agriculture Extension	-	Extension Education	9300-34800	13500	5.2.2019	Temporary	Others
Computer Programmer	Vacant	-	-	-	-	-	-	-	-
Accountant / superintendent		-	-	-	-	-	-	-	-
Stenographer	Shri Yogendra baderia	-	12 th class	-	5200-20200 AGP 2400	25300	9.10.2017	Temporary	SC
Driver	Sh. Jagdish Vishwakarma	Driver cum mechanic	8 th class		5200-20200	27800	8.7.08	Temporary	OBC

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Driver	Sh. Sanjay Agarwal	Driver cum mechanic	12 th class		5200-20200	27800	14.7.08	Temporary	Others
Supporting staff	Smt. Usha Tiwari	Peon	8 th class		4440-7440	24200	9.5.05	Temporary	Others
Supporting staff	Vacant	-	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

The district of Sagar lies in the north central region of Madhya Pradesh. It is situated between 23° 10' and 24° 27' north latitude and between 78° 4' and 79° 21' east longitude. The region is known for rainfed crops, wheat, potato etc. The Climate is hot sub humid with annual rainfall 1235 mm. Soils of the district vary from clay to sandy loam with predominantly medium black. Major cropping sequences are Soybean - Wheat/Gram/Lentil, Urdbean/Mungbean-Wheat / Chickpea.

Soybean, Wheat and chickpea are major crops of the region, there is extensive cattle raising. District Sagar is predominantly a Scheduled Caste/Backward class district. These together form about 75% of the district. The district has sizable population of tribals, named as Rajgonds after their kingdom. Sagar district is comprised of 11 blocks and 11 Tehsils and 2089 villages. Total population of the district is 23,78,295 which includes 12,64,251 (53%) males and 11,24,044 (47 %) females.

Total cultivated area under the districts is 53.61% where as rest of 5.62 % area comes under arable land, 21.44 % under forest and 1.72 % land remains as fallow. Around 39.35 % area under *Kharif* season is cropped where as in *Rabi* season, area under crops increases with a total of 44.81 %. Double cropped area and net irrigated area in sagar district is 56.99 % and 54.52 % respectively.

Land Use Pattern

Geographical area	1022759 ha
Total population	2378295
Forest area	219297 ha
Cultivated area	548277 ha

Fallow land	17575 ha
Area under Kharif crops	412691 ha
Area under Rabi crops	4,74,597 ha
Cropping intensity	162 %
Net Irrigated area	334163 ha
Arable land	57,250 ha
Double cropped area	338548 ha
Area under Fruit crops	2822 ha
Area under vegetables	33,658 ha
Area under spices	19520 ha
Area under Flower	174.5 ha
Area under Medicinal Plants	47 ha

Live stock:

S.No	Animal	Population	Production
1.	Buffalo	2,15,281	257800 mt Milk
2.	Cow	8,08,412	
3.	Goat/Sheep/ Poultry	2,55,393	700 mt meat, egg - 185.4 lakh

Important crops of the District (2020-21)

Crop	Area ('000 ha)	Production ('000 Tonnes)	Productivity (kg/ha)
Soybean	251.342	117.125	464
Blackgram	83.128	23.11	278
Greengram	4.428	2.621	592
Groundnut	1.184	1.070	904
Paddy	6.088	9.449	1552
Pigeonpea	15.818	17.083	1080
Wheat	241.866	740.911	3063

Crop	Area ('000 ha)	Production ('000 Tonnes)	Productivity (kg/ha)
Gram	141.00	178.79	960
Lentil	30.30	13.65	481
Linseed	0.823	0.436	530
Field pea	13.100	9.733	743

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2018 to 31.12.2020 (Approved by competent Authority in meetings/workshops)

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Semragopalman	2017-18	Jaisinagar	32	1245	210
Dabri	2018-19	rahatgarh	41	1340	248

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Sagar	(1) To facilitate the availability of seed of improved varieties of major crops i.e. soybean, Pigeonpea, Gram, Wheat in the district.
Sagar	(2) To motivate farmers towards cultivation of vegetables, spices, medicinal plants and management practice in fruit crops to increase the socio economic status.
Sagar	(3) Better input use and their management through IPM, IDM, INM, IWM technologies for increasing crop production.
Sagar	(4) Conservation of natural resources to control soil and water erosion through water harvesting, conservation of soil moisture through summer ploughing, use of organic & bio fertilizers.
Sagar	(5) Improvement of breeds of Cattles, Balance feeding of milch animal and their health management.
Sagar	(6) Need to organize agri- based vocational trainings for self employment of rural youths like vermi compost production ,Seed production, Mushroom production, Production Technology of high value vegetable crops, value addition, dairy etc.
Sagar	(7) Women empowerment through modern implements / farm mechanization (Spiral grader, Seed separator, Wheel hoe, hanging grain cleaner, Potato digger and Onion planter) to reduce farm women drudgery.
Sagar	(8) Create awareness regarding post harvest losses during storage and value addition to agro products like Tomato, Ber, Amla, Mango.
Sagar	(9) To Create awareness about drudgery reduction of farm women, income generation by farm women, health, hygiene, nutrition in farm women and malnutrition in children by soy foods and other locally available raw materials
Sagar	(10)Expansion of various advance technology among the farmers.

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Sagar	Low Yield of Soybean due to weed infestation, imbalance fertilizer application and insect pest and disease infestation	PRA, Group Discussion	Vill.- Semragopalman Block-Jaisinagar
Sagar	Low yield of Chickpea due to incidence of Wilt disease and Pod borer.	PRA, Group Discussion	Vill.- Dabri, Block - Rahatgarh
Sagar	Low yield of Wheat due to use of high seed rate, Imbalance use of fertilizer.	PRA, Group Discussion	Vill.- Semragopalman Block-Jaisinagar
Sagar	Low yield of vegetables due to imbalance nutrient management, weed management, pest infestation	PRA, Group Discussion	Vill.- Chitora Block-Sagar Vill.- Mankai Block - Jaisinagar
Sagar	Livestock - Low milk production due to low protein intake, poor availability of green fodder round the year	PRA, Group Discussion	Vill.- Semragopalman Block-Jaisinagar
Sagar	Women in Agriculture - Low income of farmwomen, lack of knowledge regarding post harvest losses and value addition, heavy workload during agricultural work.	PRA, Group Discussion	Vill.- Semragopalman Block-Jaisinagar Vill.- Dabri, Block – Rahatgarh

2. On Farm Testing

2.1 Details of OFT on Crops

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
2020	Khari f	Low yield of pigeon pea due to flat bed sowing & use of high seed rate, use of local variety.	Assessment of medium duration variety of Pigeonpea on raised bed in Pigeonpea-Wheat cropping System	Assessment	Old variety with mix seed	PT0012	-	Varietal evolution	pigeon pea	Rain fed	2.0 ha	10							
2020	Khari f	Low yield due to heavy infestation of YVM and moisture stress	Assessment of Blackgram varieties (Pratap Urd-1) with ridge and furrow method of sowing under blackgram-Wheat cropping system	Assessment	Mixed seed of T9	Pratap Urd-1 + Ridge & Furrow method	-	Varietal evolution	Black gram	Rain fed	2.0 ha	10							
2020	Rabi	Low yield due to old & mixed seed	Assessment of improved variety of lentil	Assessment	Use of old variety	RVL 31+full	-	Varietal evolution	Lentil	Rain fed	2.0 ha	10							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
			(RVL 31) in partial irrigated condition			package of practices		on											
2020	Rabi	Low yield due to wilt incidence	Assessment of Lentil + linseed intercropping (2:1) for wilt management and more returns	Assessment	No intercropping	lentil + linseed Intercropping (2:1)	-	Varietal evolution	Lentil / Linseed	Rain fed	2.0 ha	10							
2020	Khari f	Poor knowledge about SHC recommendation	Assessment of knowledge & adoption of soil health card based fertilizer application	Assessment	Farmers are not using fertilizers as per SHC Recommendation	To find out the awareness, knowledge and adoption of farmers toward	-	ICM	-	-	-	300							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
						d soil health card practices To study the attitude of farmers towards soil health card practices. To study the constraints perceived by													

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
						the farmers in adoption of soil health cardb recommendation.													
2020	Khari f (Round the year)	Deteriorating soil organic carbon content	Assessment of Bio-waste decomposer for quality organic product to enhance soil health	Assessment	Dumping the farm waste and residue in pits exposed to extreme weather	250 gm consortia Mix 2 kg of jaggery in 200 liter of water in a container	-	NRM		Rainfed	-	05							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
					conditions	and stir well -													
2020	Rabi	Low yield due to imbalance use of fertilizer	Assessment of INM in Cauliflower on STV basis	Assessment	farmer's Practice 50 kg DAP + 50 Kg Urea	Biofertiliser + NPK @ 100:80:60 kg/ha	-	INM	Crop-Cauliflower	Irrigated	1.0	10							
2020	Rabi	Low yield due to inadequate dose of fertilizers	Assessment of INM in Onion on STR	Assessment	Use of 100 kg DAP /ha	Use of Biofertiliser +FYM +80:60:40 kg/ha	-	INM	Crop-Onion	Irrigated	1.0	10							
2020	Khari f	Low return due to Onion cultivation in rabi season	Assessment of Kharif Onion Bhima Super/ Kohinoor china) for crop diversification higher and	Assessment	Nasik Red	Improved variety- Bheema super	-	NRM	Crop-Onion	Irrigated	1.0	10							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
			income.			/ Kohin oor china													
2020	Rabi	Low yield due old variety and poor crop management	Assessment of Marigold varieties Pusa Deep/Pusa Bahar	Assessment	Farmers practice (Pusa Naran gi)	Pusa Deep / Pusa Bahar	-	IV	Crop-Mari gold	Irriga ted	1.0	05							
2020	Khari f	Low income in Rabi Season	Assessment of hot tolerant variety of Cauliflower- VSH Star / Gaurav	Assessment	Hybrid variety	Variety- Caulifl ower- VSH Star / Gaura v	-	IV	Crop-caulif lowe r	Irriga ted	-	10							
2020	Rabi	Low yield due to improper management	Assessment of Biofertilis ol and sagarika for micronutrient management in Tomato	Assessment	No spray of Micro nutrie nt	Spray of Biofer tisol on 35- 40	-	ICM	Crop-Tom ato	Irriga ted	-	10							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
						DAS and 75-80 DAS and Sagari ka on 35-40 DAS and 75-80 DAS													
2020	Rabi	Low yield due to leaf curl disease in chilli	Assessment of IPM module for leaf curl disease of Chilli	Assessment	Spray of Insecticide at disease appearance	Seedling treatment with imidacloprid 48 % @ 3ml/lit of water +	-	IDM	Crop-Chilli	Irrigated	2.0	10							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
						spray of verticillium + Installation of yellow sticky trap + Foliar spray of Thime thoxam @ 100 ml/ha													
2020	Khari f	Low yield of Soybean due to heavy incidence of foliar diseases	Assessment of IDM module for Rhizoctonia arial blight diseases of Soybean	Assessment	Spray of Carbe ndazim at diseas	Seed treatment with <i>Trichoderma</i>	-	IDM	Crop-Soybean	Rainfed	2.0 ha	10							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
					e appearance	viride and foliar spray of Theophanate methyl @ 1.5 ml/ L+ foliar spray of Carbenazim + Mancozeb @ 2.5 gm/lit of water													
2019	Rabi	Low yield of	Assessment of	Assess	Spray	Seed	-	NRM	Crop-	Irriga	2.0	10							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
		Tomato in rainy season due to foliar diseases	IDM modules for management of leaf blight/ foliar diseases in Tomato	ment	of fungicides at disease appearance, No staking practice	and Seedling treatment with <i>T. viride</i> + Stacking with bamboo and wire + spray of Cholorothalonil and Theophanate		& IPM	tomato	ted									

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
						methy l													
2020	Khari f	Low yield of Okra due to heavy infestation of Fruit borer	Assessment of IPM for management of fruit borer in Okra	Assessment	Pesticide application after infestation	Seed treatment by Imidacloprid 48 % @ 3 ml/kg seed + Spray of <i>Beubasiana</i> @ 1000 ml/ha + Installation of phero	-	IPM	Crop-Okra	Irrigated	2.0	10							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/ Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
						mon trap@ 10/ha													
2020	Khari f	Less availability of market linkages for providing livelihood through entrepreneurial activities	Assessment of farmer producer Orgazation	Assessment	Single farmer income assessment	FPO income Assessment	-	FPO	-	-	-	02							

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of short duration variety of Pigeonpea on raised bed in Pigeonpea-Wheat cropping System		
Assessment of Blackgram varieties		
Assessment of improved variety of lentil (RVL 31) in partial irrigated condition		
Assessment of Lentil + linseed intercropping (2:1) for wilt manage and more returns		
Assessment of Kharif Onion Bhima Super/ Bhima Shakti) for crop diversification higher and income.		
Assessment of Cauliflower variety Early Raj for higher income		
Assessment of Biofertilisol and sagarika for micronutrient management in Tomato		
Assessment of Marigold varieties Pusa Deep, and Pusa Bahar		
Assessment of IPM module for leaf curl disease of Chilli		

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of IPM for management of fruit borer in Okra		
Assessment of IDM module for Rhizoctonia areal blight diseases of Soybean		
Assessment of IDM modules for management of leaf blight/ foliar diseases in Tomato		
Assessment of Bio-waste decomposer for quality organic product to enhance soil health		
Assessment of knowledge & adoption of soil health card based fertilizer application		
Assessment of INM in Cauliflower		
Assessment of Integrated nutrient management in Onion		

2.2 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	F P (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Assessment of short duration variety of Pigeonpea on raised bed in Pigeonpea-Wheat cropping System																
Assessment of Blackgram varieties																
Assessment of improved variety of lentil (RVL 31) in partial irrigated condition																
Assessment of Lentil + linseed intercropping (2:1) for wilt manage and more returns																
Assessment of Kharif Onion																

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	F P (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Bhima Super/ Bhima Shakti) for crop diversification higher and income.																
Assessment of hot tolerant variety of Cauliflower- Early Raj																
Assessment of Biofertilizer and saptarika for micronutrient management in Tomato																
Assessment of Marigold varieties Pusa Deep, and Pusa Bahar																
Assessment of IPM module for leaf curl disease of Chilli																
Assessment of IPM for control of fruit borer in Okra																
Assessment of IDM module for Rhizoctonia aerial blight diseases of Soybean																
Assessment of IDM modules for management of leaf blight/ foliar diseases in Tomato																
Assessment of knowledge & adoption of soil health card based fertilizer application																
Assessment of INM in Cauliflower																
Assessment of Integrated																

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
nutrient management in Linseed under limited irrigation condition																
Assessment of farmer producer Orgazation																

2.3 Details of OFT on Agriculture Engineering

Year	Season	Problem diagnosis	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	

2.3a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.4 Economic Performance

KVK name	OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.5 Details of OFT on Animal Science

Year	Season	Problem diagnosis	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	

2.5a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of Spinless cactus as animal fodder in lactating animals.		
Assessment of macro & micro nutrient and concentrate feed on milk yield of dry cows		
Assessment of Kadaknath breed for egg and meat purpose in backyard condition.		
Assessment of hydroponics for feeding of milch animals		

2.6 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.7 Details of OFT on Fisheries

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Title of Technology/ Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	

2.7a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.8 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.9 Information about Home Science OFT: (For All Thematic Area)

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
2020	Kharif	High workload	Assessment of CIEA power weeder in the weeding of Soybean to reduce the cost and drudgery by farm women	Assessment	Drudgery reduction	T1: Hand weeding /use of wheel hoe T2: Use of power weeder	Soybean	05	05	
2020	Kharif/ Rabi	Low efficiency of farm women in preparation of potato chips	Assessment of potato slicer for drudgery reduction of farm women during potato chips preparation	Assessment	Drudgery reduction	T1: Local Chips cutter T2: Use of potato slicer	Potato	05	05	
2020	Kharif	Low income of farm women due to sale	Assessment of the mini daal Mill (CIAE) for milling of	Assessment	Value addition	T1: hand making at local level T2: Use of phytotype dal Mill	Mini Dal Mill	05	05	

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
		of raw seed	various pulses							
2020	Rabi	Direct sale of grains after harvest/ plastic bag	Assessment of pro super bags for storage of wheat storage of Wheat	Assessment	Income generation	T1: use of simple jute bags T2: use of pro super bag	Pro super bag	10	10	

2.9 (A) Economic Performance Home Science OFT: (For Drudgery Reduction)

OFT Title	Performance Indicator / Parameter													
	Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Assessment of CIEA power weeder in the weeding of Soybean to reduce the cost and drudgery by farm women														
Assessment of potato slicer for drudgery reduction of farm women during potato chips														

OFT Title	Performance Indicator / Parameter													
	Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
preparation														
Assessment of the mini daal Mill (CIAE) for milling of various pulses														
Assessment of pro super bags for storage of wheat storage of Wheat														

2.9 (B) Economic Performance Home Science OFT: (For Income Generation)

OFT Title	Performance Indicator / Parameter											
	Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Assessment of pro super bags for storage of wheat storage of Wheat												

2.9 (C) Economic Performance Home Science OFT: (For value addition)

OFT Title	Performance Indicator / Parameter													
	Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Assessment of the mini daal Mill (CIAE) for milling of various pulses														

2.9 (D) Economic Performance Home Science OFT: (For Nutritional security)

OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of vegetable/Fruit/Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2020-21)

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
Soybean	ICM	Ridge –Furrow method of sowing, Improved variety JS 9305	Training, Field day, FLDs	150	36000	40,000
Blackgram	IDM	Improved variety PU 31, Seed treatment with Imidacloprid 48 %	Training Field day, FLDs	235	9500	72,000
Wheat	IV	Improved variety JW 3288 for partially irrigated condition and GW 366 for irrigated	Training, Field day, FLDs	45	5000	30,000
Gram	IV & IPM	Improved variety JG 63 and IPM for pod borer	Training, Field day, FLDs	75	35000	40,000
Tomato	ICM	Staking, Use of drip and mulching	Training, Field day, FLDs	12	175	250
Chilli	IV, IDM	Improved variety VNR 109/219, Seedling treatment and soil drenching with fungicides	Training, Field day, FLDs	10	100	75

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
Agril. Equipments	Drudgery reduction	Use of spiral grader, Wheel hoe	Training, Field day, FLDs	10	250	--
Vegetables	Nursery management	Raised bed preparation, line sowing, Seed treatment	Training, FLDs, OFTs	05	75	--
Animals	LPM	AI, Vaccination,	Training, Field day, Veterinary camps FLDs	15	250	---

3.2 Details of FLDs on Crop to be implemented during 2019-20

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	IV	Demonstration on improved variety of soybean (JS 2034) on Ridge of Furrow method	Soybean	JS 20-98	2.0 ha								
2020	Kharif	IWM	Demonstration on weed management in Soybean by Post emergence weedicide (Imezathypre 3.75% + Propiquizaphop2.5%)	Soybean	JS 20-34	2.0 ha								
2020	Rabi	ICM	Improved Variety of Chickpea (JG -12) under Limited Irrigation	Gram	05	30 ha								
2020	Rabi	IV	Improved variety of wheat (HI 8759) under irrigated condition	Wheat	HI 87-59	2.0 ha								

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	ICM	Improved Variety , Seed treatment with Vitavax Power + NPK 20:50:20+ Insect control	Blackgram	Pratap Urd-1	10 ha								
2020	Kharif	ICM	Improved Variety , Seed treatment with Vitavax Power + NPK 20:60:40+ Insect control	Soybean	JS 20-34	10 ha								
2020	Rabi	ICM	Improved Variety of Chickpea (JG -12) under Limited Irrigation , Seed treatment with Vitavax Power, and Thiamethoxam+ NPK 20:60:40+ Insect control	Gram	JG 12	10 ha								
2020	Rabi	ICM	Improved Variety of Lentil (RVL-31) under Limited Irrigation , Seed treatment with Vitavax Power, and Thiamethoxam+ NPK 20:60:40+ Insect control	Lentil	RVL-31	10 ha								
2020	Kharif	INM	Demonstration on INM in Blackgram (Use of biofertilizers+75% NPKS @20:50:20:20 kg/ha	Blackgram	PU31	2.0 ha								
2020	Kharif	INM	Demonstration on INM in chickpea on soil test value	Chickpea	JG 14	2.0 ha								
2020	Rabi	INM	Demonstration on Nutrient management in Irrigated wheat	Wheat	GW-366	2.0 ha								

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Rabi	INM	Demonstration on Integrated nutrient management in Garlic	Garlic	G 282	2.0ha								
2020	Kharif	IV-HOV	Demonstration on Training and Pruning with INM practice in old orchard of Guava	Guava	L49/ A. Safeda	25 plants								
2020	Rabi	IV-HOV	Demonstration on soluble fertilizers in tomato through drip -fertigation	Tomato	Abhishek	1.0 ha								
2020	Rabi	IV-HOV	Demonstration on Improve variety of Drumstick PKM-1/2	Drumstick	PKM-1	1.0 ha								
2020	Rabi	IV -HOV	Demonstration on leafy coriander variety for income generation	Coriander	Evergreen	1.0 ha								
2020	Kharif	IPM	IPM in Cauliflower for the management of DBM	Crop- Cauliflower	Barkha	2.0 ha								
2020	Rabi	IDM	Management of Sclerotial wilt disease in Lentil	Crop- Lentil	JS 9305	2.0 ha								
2020	Rabi	IDM	Management of Stem phyllium blight disease in Onion	Onion	Nasik Red	2.0 ha								
2020	Rabi	IPM	Integrated Management of Brinjal fruit and shoot borer	Brinjal	S 1014	2.0 ha								

3.3 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration on improved variety of soybean (JS 2034) on Ridge of Furrow method	Soybean											
Demonstration on weed management in Soybean by Post emergence weedicide (Imezathypre 3.75% + Propiquizaphop2.5%)	Soybean											
Improved Variety of Chickpea (JG -12) under Limited Irrigation	Gram											
Improved variety of wheat (HI 8759) under irrigated condition	Wheat											
Improved Variety , Seed treatment with Vitavax Power + NPK 20:50:20+ Insect control	Blackgram											
Improved Variety , Seed treatment with Vitavax Power + NPK 20:60:40+ Insect control	Soybean											
Improved Variety of Chickpea (JG -12) under Limited Irrigation , Seed treatment with Vitavax Power, and Thiamethoxam+ NPK 20:60:40+ Insect control	Gram											

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Improved Variety of Lentil (RVL-31) under Limited Irrigation , Seed treatment with Vitavax Power, and Thiamethoxam+ NPK 20:60:40+ Insect control	Lentil											
Demonstration on INM in Blackgram (Use of biofertilizers+75% NPKS @20:50:20:20 kg/ha	Blackgram											
Demonstration on INM in chickpea on soil test value	Chickpea											
Demonstration on Nutrient management in Irrigated wheat	Wheat											
Demonstration on Integrated nutrient management in Garlic	Garlic											
Demonstration on Training and Pruning with INM practice in old orchard of Guava	Guava											
Demonstration on soluble fertilizers in tomato through drip -fertigation	Tomato											
Demonstration on Improve variety of Drumstick PKM-1/2	Drumstick											
Demonstration on leafy coriander variety for income generation	Coriander											

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
IPM in Cauliflower for the management of DBM	Crop- Cauliflower											
Management of Sclerotial wilt disease in Lentil	Crop- Lentil											
Management of Stem phylium blight disease in Onion	Onion											
Integrated Management of Brinjal fruit and shoot borer	Brinjal											

3.4 Details of FLDs on Agriculture Engineering to be implemented during 2019-20

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.5 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		B:C Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.6 Details of FLDs on Animal Science to be implemented during 2019-20

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety /Technology /Enterprises	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	--	-	-	-	-	-	-	-	-	-	-	-

3.7 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.8 Details of FLDs on Fishery to be implemented during 2019-20

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
--	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.9 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
--	-	-	-	-	-	-	-	-	-	--	-	-

3.10 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/ Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
2020	Kharif	Nutritional Security	Poor availability of vegetables	Establishment of kitchen garden for nutritional security	Farming Activity	Kitchen Garden	-	10	10
2020	Rabi	Income generation	No flower cultivation	Income generation through marigold cultivation by Farm women	Farming Activity	Flower cultivation	-	0.5 ha.	05
2019-20	Rabi	Value addition	Low income due to direct sale	Demonstration on value addition of tomato in the form of Sauce and Ketchup through SHGs for income generation	Enterprise	Vegetables	-	-	10

3.11(A) Economic Performance Home Science FLD: (For Drudgery Reduction)

FLD Title	Performance Indicator / Parameter													
	Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	--

3.11 (B) Economic Performance Home Science FLD: (For Income Genration)

FLD Title	Performance Indicator / Parameter											
	Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Income generation through marigold cultivation by Farm women	-	-	-	-	-	-	-	-	-	-	-	-

3.11 (C) Economic Performance Home Science FLD: (For value addition)

FLD Title	Performance Indicator / Parameter													
	Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Demonstration on value addition of tomato in the form of Sauce and Ketchup through SHGs for income generation	-	-	-	-	-	-	-	-	-	-	-	--	-	-

3.11 (D) Economic Performance Home Science FLD: (For Nutritional security)

FLD Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of vegetable/Fruit/Product		Per capita Consumption		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height		Increase in BMI (%)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Establishment of kitchen garden for nutritional security	-	Common available fruit and vegetables	-	-	-	-	-	-	-	--	-	-	-	-	-	-	-	-

3.4 Training and Extension activities proposed under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks
Blackgram	Field days	01		
	Farmers Training	02		
	Media coverage	01		
Soybean	Field days	01		
	Farmers Training	02		
	Media coverage	01		
	Training for extension functionaries	01		
Pigeonpea	Field days	01		
	Farmers Training	02		
	Media coverage	01		
	Training for extension functionaries	01		
Gram	Field days	02		
	Farmers Training	02		
	Media coverage	01		
	Training for extension functionaries	01		
Lentil	Field days	02		
	Farmers Training	02		
	Media coverage	01		
vegetables	Field days	02		
	Farmers Training	02		

3.5 Details of FLD on crop hybrids.

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
	Sagar	-	-	-	-	-

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Sagar	-	-	-	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Sagar	-

5. TRAINING PROGRAMMES

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. Of participants to be involved
Sagar	F/FW	PRA	Semragopalaman	42
Sagar	F/FW	PRA	Hanota	18
Sagar	RY	PRA	Semragopalaman	22
Sagar	In-service	Group discussion	12.2.2020 at KVK	28

Table 5.2. Details of Training programmes to be conducted by the KVKs.

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
F/FW	OFC	OTH	Planning for kharif crop for higher production	1	1	25								
F/FW	OFC	OTH	Seed production Tech. of Arhar& their sowing method for seed saving and higher production	1	1	25								
F/FW	OFC	OTH	Seed production technique of soybean	1	1	25								
F/FW	OFC	CP	Improved production technology of blackgram and seed production	1	1	25								
F/FW	OFC	OTH	Seed production technique of Urd.& Mung & their improved variety	1	1	25								
F/FW	OFC	CP	Weed management in soybean	1	1	25								
F/FW	OFC	OTH	Rouging Technique in Soybean for production of quality seed.	1	1	25								
F/FW	OFC	OTH	Seed Production techniques of Gram.	1	1	25								
F/FW	OFC	CP	Cultivation Practices of Lentil.	1	1	25								
F/FW	OFC	CP	Production Technology of Wheat and their improved varieties for different sowing conditions	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
F/FW	OFC	CP	Production technology of linseed	1	1	25								
F/FW	OFC	OTH	Rouging technique in rabi crops for purity management	1	1	25								
IS	ONC	CP	Production tech. of Rabi corps	1	1	25								
IS	ONC	CP	Production tech. of Kharif corps	1	1	25								
F/FW	ONC	SFM	Ideal soil sampling and storage	1	1	25								
F/FW	ONC	SFM	Use of waste decomposer for compost preparation	1	1	25								
F/FW	ONC	SFM	Production and use of Vermicompost compost	1	1	25								
F/FW	OFC	SFM	Soil fertility management with respect to kharif pulses	1	1	25								
F/FW	OFC	SFM	Nutrient Use Efficiency of rabi cereals, oilseeds and pulses	1	1	25								
F/FW	OFC	SFM	INM in kharif crops	1	1	25								
F/FW	OFC	SFM	INM in Vegetables crops	1	1	25								
F/FW	OFC	SFM	INM in Wheat	1	1	25								
F/FW	OFC	SFM	Techniques to increase the Nutrient Use Efficiency	1	1	25								
F/FW	OFC	SFM	Importance of major and micro nutrients	1	1	25								
IS	ONC	INM	Resource management for better crop production and	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			soil health											
F/FW	ONC	HOV	Production technology of early cauliflower	1	1	25								
F/FW	ONC	HOV	Production technology of offseason vegetables	1	1	25								
F/FW	OFC	HOV	Care and management of orchards	1	1	25								
F/FW	OFC	HOV	Production technology of Okra	1	1	25								
F/FW	OFC	HOV	Plantation and Production technology of Mango, Lime, Aonla and Guava	1	1	25								
F/FW	OFC	HOV	Integrated crop management in tomato	1	1	25								
F/FW	OFC	HOF	Production technology of Onion, Garlic and Potato	1	1	25								
F/FW	OFC	HOF	Production technology of cucurbitaceous vegetables	1	1	25								
F/FW	OFC	HOF	Drip and irrigation in vegetables crops	1	1	25								
F/FW	OFC	HOF	Post harvest management of Onion, Ginger and Turmeric	1	1	25								
IS	ONC	HOV	Hi-tech horticulture	1	1	25								
IS	ONC	HOV	Production Technology of Fruit plants	1	1	25								
F/FW	ONC	PLP	Insect pest infestation during storage and their management	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
F/FW	ONC	PLP	Disease management in summer vegetables	1	1	25								
F/FW	ONC	SFM	Method of seed and soil treatment for the management of soil borne diseases	1	1	25								
F/FW	OFC	PLP	IPM in Chilli	1	1	25								
F/FW	OFC	PLP	Integrated Disease management Black gram	1	1	25								
F/FW	OFC	PLP	Insect pest management in Soybean	1	1	25								
F/FW	OFC	PLP	IPM in Tomato	1	1	25								
F/FW	OFC	PLP	Management of Wilt disease in pulses	1	1	25								
F/FW	OFC	PLP	IPM in Kharif vegetables	1	1	25								
F/FW	OFC	CP	IPM in Rabi crops	1	1	25								
F/FW	OFC	PLP	IPM in potato crop	1	1	25								
F/FW	OFC	PLP	IPM in Onion	1	1	25								
IS	ONC	PLP	IPM in Kharif crops	1	1	25								
IS	ONC	PLP	IPM in Rabi crops	1	1	25								
F/FW	OFC	WOE	Preparation and use of fortified sattu	1	1	25								
F/FW	OFC	WOE	Value addition of Soybean/ Pulses	1	1	25								
F/FW	ONC	WOE	Value addition of Potato	1	1	25								
F/FW	OFC	WOE	Nursery management for income generation	1	1	25								
F/FW	ONC	PIS	Importance of Drumstick and	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			its value addition											
F/FW	OFC	WOE	Nutritional gardening- Establishment and importance	1	1	25								
F/FW	OFC	WOE	Mango Preservation	1	1	25								
F/FW	OFC	WOE	Low cost nutritious diet preparation using locally available foods	1	1	25								
F/FW	OFC	WOE	Use of women friendly equipments for drudgery reduction	1	1	25								
F/FW	OFC	WOE	Role Immunity boosting nutria-rich food material	1	1	25								
F/FW	OFC	WOE	Drying of vegetables and fruits	1	1	25								
IS	ONC	WOE	Nutritional Security, Malnutrition and its management	1	1	25								

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Sagar	Seed Production technology- Kharif	Crop	CP	2						
Sagar	Seed Production technology- Rabi	Crop	CP	2						
Sagar	Production technique of vermicompost & phosphocompost	Enterprise	INM	3						
Sagar	Advanced vegetables production	Crop	HOV	5						

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Sagar	Nursery management techniques	Crop	HOV	2						
Sagar	Oyster mushroom production technology	Enterprise	PLP	2						
Sagar	Bee Keeping	Enterprise	PLP	2						
Sagar	Preservation of fruits and vegetables	Crop	WOE	3						
Sagar	Value addition of Soybean	Crop	WOE	2						
Sagar	Installation of dairy unit.	Enterprise	LPM	3						
Sagar	Installation of Poultry unit.	Enterprise	LPM	3						

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Sagar	-	-	-	-	-

Table 5.5. Sponsored Training Programmes

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
-	-	-	-	--	-	-	-	-	-	-	-	-	-

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
Sagar	Ex-trainees meet	01							

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Advisory Services	10										
Agri mobile clinic	-										
Animal Health Camp	2										
Awareness programme	2										
Celebration of important days	2										
Diagnostic visits	5										
Exhibition	5										
Exposure visits	-										
Extension Literature	10										
Ex-trainees Sammelan	2										
Farm advisory Services	2										
Farm Science Club conveners	-										
Farmers Seminar/Workshop	1										
Farmers visit to KVK	15										
Field Day	8										
Film Show	10										
Group meetings	5										

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Interface	2										
Kharif Sammelan	1										
Kisan Ghosthi	2										
Kisan Mela	1										
Krishi Gyan Doot meet	1										
Krishi Mahotsav	1										
Lectures delivered as resource persons	20										
Mahila Mandals conveners	1										
Method Demonstrations	2										
Newspaper coverage	20										
Popular articles	5										
Pradhanmantri phasal bema yojana	-										
Radio talks	10										
Scientific visit to farmers field	40										
Self Help Group conveners meetings	1										
Soil health Camp	2										
Soil test campaigns	2										
Summer deep ploughing	1										
Technology Week	1										
TV talks	5										
Workshop	1										
Others	-										

7. Production and supply of Technological products

7.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Sagar	Cereals	Wheat	-	-	-	-	-	-
Sagar	Pulses	Pigeonpea	-	-	-	-	-	-
Sagar	Pulses	Chickpea	-	-	-	-	-	-
Sagar	Oilseed	Soybean	-	-	-	-	-	-
Sagar	Oilseed	linseed	-	-	-	-	-	-
Sagar	Pulses	Lentil	-	-	-	-	-	-

7.2 Planting Material production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Sagar	Solenaceous Vegetables	Tomato				Hybrid	Seedling	25,000			
Sagar	Solenaceous Vegetables	Chilli				Hybrid	Seedling	25, 000			
Sagar	Solenaceous Vegetables	Brinjal				Hybrid	Seedling	25, 000			
Sagar	Fruit Plants	Papaya				Pusa Nanha	Sapling	3000			
Sagar	Fruit Plants	Munga				PKM-1	Sapling	1000			
Sagar	Fruit Plants	Guava				L 49	Sapling	500			
Sagar	Fruit Plants	Citrus lime				Kagji	Sapling	500			
Sagar	Fruit Plants	Mango				Amrapali	Sapling	100			

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Sagar	Bioagents	400 kg	-	-	Purchased from JNKVV and sold to the farmers
Sagar	Biofertilizers	750 kg	-	-	Purchased from JNKVV and sold to the farmers
Sagar	Bio pesticides	100 lit	-	-	Purchased from JNKVV and sold to the farmers

7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Sagar	Cattle	-	-	-	-	-	-
Sagar	Buffalo	-	-	-	-	-	-
Sagar	Sheep and Goat	-	-	-	-	-	-
Sagar	Poultry	-	-	-	-	-	-
Sagar	Fisheries	-	-	-	-	-	-
Sagar	Others (Specify)	-	-	-	-	-	-

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment : 2004

8.1 Details of soil & water samples analyzed so far :

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Sagar	Soil Sample	700	700			
Sagar	Water Sample	---				

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/STParticipants		
					Male	Female	Total	Male	Female	Total
Sagar	-	-	-	-	-	-	-	-	-	-

10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	No. of beneficiaries		No of Village Covered	Major recommendations
		Farmers	Ext. Pers.		
Sagar	48	85000	350	2089	

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Sagar	To be communicated from JNKVV		

12. Literature to be Last Developed/Published (with full title, author & reference)

12.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Sagar	2008	Quarterly	500 each quarter	450 each quarter

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Sagar	CD	IPM in Kharif crops	

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper	05				
Technical bulletins	02				
Technical reports	02				
Popular article	10				

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
News paper coverage	20				
Year Planner	01				
Others (pl. specify)	-				

13. Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Sagar	ATMA			Training, Visit		
Sagar	MNREGA			-		
Sagar	MIDH			Training		
Sagar	RKVY			-		
Sagar	DRDA			-		
Sagar	Zila Panchyat			Training		
Sagar	Seed Village			Training		
Sagar	Climate Change			-		
Sagar	Others (Plz. Specify)			Training		

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds): Not furnished

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Sagar		2018-19					

15. Utilization of Staff Quarters.

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Sagar	2015	2015	05	05	-

16. Details of KVK Agro-technological Park –

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
1	Sagar	Yes	Yes

a) Details about Technology Park

Name of KVK	Name of Component of Park	Season	Detail Information (If established)	
Sagar	Crop Cafeteria	Kharif	Soybean	RVS 2001-18, RVS 2001-4, JS 20-98, JS 20-29, JS 20-34, JS 20-69, JS 335, JS 20-05, JS 97-52, JS 20-116 JS 20-94
			Green gram	Shika, IPM 2-3, IPM 2-14, IPM99-125,TJM 3, BM 4, AKM 8802, VIRAT, PDM 139, WHITE MOONG (Local)
			Balck gram	Shekar Urd 3, PU 31, PU 35, PU 30, Pratap urd 1, IPU 2- 43, IPU 94-1, NUL 7, JU 86, KU 96-3
		Rabi	Wheat	MP 4010, MP 1203, HI 1544, MP 1215, JW 3288, HI 8737, HI 8498, HI8713, DBW 110, GW366, GW 322, MP3336, HI1531,JW3020, JW3173, JW 3211
			Gram	JG 14, JG 12, JG 16, JG 63, JG 74, JG 315, JG 11, JG 322, JAKI 9218,RSG 807, VIJAY
			Lentil	JL 1,JL 3, PL 5, IPL316, DPL 62, IPL 81, PL 8, RVL 31, JKG 1
			Linseed	JLS 67, JLS 79, JLS 66, JLS 27, JLS 9, JLS 95, JLS 73, JLS RLL 148,KBA4
	Technology Desk		-	
	Visitors Gallery		-	
	Technology Exhibition		High density Guava, Drip in guava, sprinkler in Amla, Nursery, Vegetables in Poly house	
	Technology Gate-Valve		-	

17. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Sagar	Saligram Patel	Various Horticulture Crops	Semrabag Block- Sagar Mob- 9300277994
2	Sagar	Shri Hemraj Patel	Tamato, Chilli, Onion, Capsicum	Vill- Patan Block- Jaisinagar mob- 9981013720
3	Sagar	Shri Praphulla Dubey	Soyabean, Wheat/Gram	Vill- Block- Rahatgarh mob- 9981013720
4	Sagar	Raghuwar Patel	Soyabean, Wheat, Onion, Tomato	Vill- Sattadhana Block Jaisinagar Mob-9179506968
5	Sagar	Akash Chaurasia	Integrated Farming	Vill- Tilli Block Sagar Mob- 9179066275
6	Sagar	Ganesh Singh	Soyabean, Wheat/Gram	Vill- chainpura Block Jaisinagar -9009641265
7	Sagar	Shobharam Patel	Tamato, Chilli, Onion, Capsicum	Mankyai Block- Jaisinagar Mob- 9993306612
8	Sagar	Pratap patel	Integrated Farming	Vill- Sema dhana sagar mob- 8435447409
9	Sagar	Ashok Babu Kushwaha	Integrated Farming	Village- Eran Mirjapur, Rahatgarh, Sagar 7566508272
10	Sagar	Atar Singh	Organic Farming of Vegetables	Village- Dabri, Rahatgarh, Sagar 9406538988

18. KVK interaction with progressive farmers-

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	July 2020	100
2	December 2020	100

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Sagar	02	09	06	140

Intensive- OFTS, FLDS etc, Extensive- Literatures, Publications, Awareness programmes etc.

20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
-	-	-	-	-

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Tikamgarh	Seed, Technical inputs	
2	Damoh	Seed, Technical inputs	
3	Raisen	Seed, Technical inputs	

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Sagar			

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Sagar		05	

24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1	Sagar	-	-

25. E-CONNECTIVITY (ERNET Lab): Not available

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			
Sagar	-	-	-	-	-	-	-

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Sagar	Gosthies	01		
Sagar	Lectures organized	04		
Sagar	Exhibition	01		
Sagar	Film show	04		

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Sagar	Fair	01		
Sagar	Farm Visit	01		
Sagar	Diagnostic Practical's	01		
Sagar	Distribution of Literature (No.)	2000		
Sagar	Distribution of Seed (q)	02		
Sagar	Distribution of Planting materials (No.)	5000		
Sagar	Bio Product distribution (Kg)	20		
Sagar	Bio Fertilizers (q)	20		
Sagar	Distribution of fingerlings	-		
Sagar	Distribution of Livestock specimen (No.)	-		
Sagar	Total number of farmers visited the technology week	-		
Sagar	Animal health camp	01		
Sagar	Awareness programme	01		
Sagar	Cashless Transaction Week	01		
Sagar	Celebration of important days (Parthenium eradication week, Swachhata Abhiyan and Soil Health Day, International Women Day, National Integrity Day, World environment day, World forestry day, World Water Day)	01		
Sagar	Demonstration	-		
Sagar	Exposure visit	01		
Sagar	Extension activity	02		
Sagar	Ex-trainees Meet	01		
Sagar	Farmer scientist interaction	02		
Sagar	Farmers Training	02		
Sagar	Field Day	01		
Sagar	Field visit	02		
Sagar	Gajarghans Unmulan Pakhwada	01		
Sagar	Group Meeting	01		
Sagar	Hindi diwas pakhwada	01		
Sagar	Jai Kisan Jai Vigyan Sangoshthi	01		
Sagar	Narmada sewa Yatra	-		

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Sagar	News Paper/Mass Media	02		
Sagar	Plant health camp	01		
Sagar	Plant Protection Week	01		
Sagar	Scientists visits in farmers field	03		
Sagar	Seed treatment campaign	01		
Sagar	Self Help Group convener meet	01		
Sagar	Soil health Camp	01		
Sagar	Swachha Bharat Abhiyan	02		
Sagar	Technology Week	02		
Sagar	Van Mahotsava	-		
Sagar	Others (Pl. Specify)	-		

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
1	Sagar	Soybean	30	75
2	Sagar	Blackgram	30	75
3	Sagar	Wheat	05	10
4	Sagar	Chickpea	30	75
5	Sagar	Lentil	30	75

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
1	Sagar	Oilseeds	30	75
2	Sagar	Pulses	60	150
3	Sagar	Cereals	05	10
4	Sagar	Vegetable crops	02	20
5	Sagar	Tuber crops	02	05
6	Sagar	Fruits	01	05
7	Sagar	Spices	01	05

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
8	Sagar	Cotton	-	-
		Total	101	270

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No.of participants
1	Sagar	Dairy Management		
2	Sagar	Disease management		
3	Sagar	Feed and fodder technology		
4	Sagar	Poultry management		

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Sagar	02		

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Sagar	-	-	-	-

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Sagar	-	-	-	-

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers
Sagar	-	-	-	-

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Sagar	-	-	-	-

Verns Produced

Name of KVK	Verns Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers
Sagar	-	-	-	-

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers

Awareness Campaign

Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
-	-	-	-	-	-	-	-	-	-	-	-

28. Activities proposed of Satellite Village on Doubling Farmer's Income**Information about Satellite Village**

Name of KVK	Block	Village
Sagar	Jaisinagar	Semragopalman

1. Proposed Activities for Natural Resource Management:-

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
Demonstration in Bio-waste Decomposer for preparation of compost			--	05	
INM in Onion			1.0	05	
Demonstration on IPM in Onion			1.0	05	
Demonstration on IPM in Potato			1.0	05	
Demonstration on Crop Management in Guava			50 Plants	05	

2. Proposed Activities for Crop Diversification:-

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
Demonstration on Marigold for higher for income generation	05	05	0.5	05	
Demonstration on Munga (PKM-1)	05	05	0.1	05	

3. Proposed Activities for Crop Production

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks
Demonstration on Soybean (JS 2034)	10	25	
Demonstration on Chickpea (JG63)	10	25	

4. Proposed Activities for Livestock and Fisheries

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
Demonstration on Fodder production (MP Chari)					
Demonstration on management of Ecto and Endoparasite in dairy animals through Pailtox + Ivermectin					

5. Proposed Activities for Livelihood Security to small and marginal land holders:-

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered	Remarks
Demonstration on establishment of Kitchen garden	5	05	0.5	5	
Demonstration on Value addition of tomato for income generation	5	05	-	5	

6. Proposed Activities for Institutional Interventions

Name of intervention undertaken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks

7. Proposed Activities for Capacity Building

Thematic area	No. of Courses	No. of beneficiaries		
		Male	Female	Total
Production technology of Krarif crops	01			
Production technology of Rabi crops	01			
INM in Kharif Crops	01			
INM in Rabi Crops	01			
Production technology of Solanaceous vegetables	01			
Production technology of Potato & Onion	01			
IPM in Vegetables	01			
IPM in Rabi Crops	01			
Grain Storage	01			
Installation of Dairy Unit	01			
Breeds of Cattle and buffalo and their Management	01			
Care & management of milch animals	01			
Nutritional Kitchen gardening	01			
Value addition of Soybean	01			

8. Proposed Extension Activities in Satellite Village

Thematic area	No. of activities	No. of beneficiaries		
		Male	Female	Total
Animal Health Camp	01			
Soil Health Camp	01			
Field Day	02			
Swachhta Awareness programme	01			
Field Visits	06			

29. Activities proposed in Nutri-Smart Village

Information about Nutri-Smart Village

Name of KVK	Block	Village
Sagar	Jaisinagar	Semragopalman

1. Innovative practices to promote nutrition-sensitive agriculture and food security :

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	Quantity (unit)	% change in Nutritional Status	No of beneficiaries
Diversification and intensification of production	Demonstration on Kitchen Gardening for nutritional security	10	10 (250m ²)			
Nutrition sensitive livestock and fisheries	Establishment of Poultry Unit of kadaknath	10	-			
Biodiversity for food & nutrition including forest produces/ Minor Millets						
Bio-fortification						
Other (Pl. Specify)						

2. Value Chain And Village Trade related Issue:

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	Quantity	% change in Nutritional Status	No of beneficiaries
Demand-supply dynamics and market intelligence by the women.						
Processing and product development of NTFPs by women.						

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	Quantity	% change in Nutritional Status	No of beneficiaries
Food Fortification	Trainings	Tomato souce	01			
Technology adaptation mechanisms for nutritional security.						
Economic empowerment through sustainable income generation among women.	Demonstration on marigold for income generation	marigold	01			
Other (Pl. Specify)						

3. Improving Maternal and Child Nutrition

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	% change in Nutritional Status	No of beneficiaries
Strategies and programs for improved maternal nutrition-experiences	Training	Training on nutrient efficient diet			
Community based strategies to enhance and sustain breast feeding practices and promote early childhood development.					
Approaches to improve complementary foods and feeding practices.					
Comprehensive approach to address acute malnutrition in children.					
Improving nutrition among tribal population with community focus on first 1000 days.					

4. Nutrition Literacy

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention undertaken	Number of Courses	No of beneficiaries
Nutrition Education and Behaviour	Extension activity	World Food Day	1	

Areas	Type of intervention taken (OFT/FLD/Training/Extension Activity)	Name of intervention undertaken	Number of Courses	No of beneficiaries
Micronutrient Supplementation				
Adolescent and Maternal Nutrition	Extension activity	Literature		
Malnutrition Management Service				
Other (Pl. Specify)				

5. Capacity development of women institutions/ SHGs/ FIGs/FPOs

Area	Name of intervention undertaken	Number of Courses	No of beneficiaries
Human Resource management for women	Training Programme	02	50
Capacity development through participatory method	Training Programme	01	25
Skill development	Training Programme	01	25
Other (Pl. Specify)			

6. Enabling Suitable governance and policy

Areas	Name of intervention taken	Numbers under taken	No of Courses	No of beneficiaries
Role of horticulture and Agriculture Engineering in Nutritional Security	Training	01	01	30
Climate Smart agriculture for Nutritional Security	Training	01	01	30
Other (Pl. Specify)				

7. Institutional Interventions in Collaboration (through KVK, Anganwadi of other Department) :-

Name of intervention undertaken	No of collaborative Department	No of beneficiaries	Remark
Nutritional Kitchen garden	Horticulture, Mahiala Bal Vikash Bibhag	50	-

30. Activities Proposed for Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village
Sagar	Sagar	Badona

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Demonstration on Improve variety of Soybean with Ridge & Furrow method	Soybean	10.0			
Improved variety of Wheat (JW 3269) for limited irrigated condition	Wheat	2.0			
IPM in Onion	Onion	1.0			
INM in Wheat	Wheat	2.0			

2. Proposed Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Animal Health and Vaccination Camp	35	15	05	55
Soil Health and Awareness camp	30	20	05	55
Swachhata Awareness	50	50	10	110

3. Proposed Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Production technology of Soybean	15	10	02	27
IPM in Kharif crops	15	10	02	27
INM in Rabi crops	15	10	02	27
Precaution in Seed production and roughing	15	10	02	27

31. Proposal of NICRA (Only NICRA KVKs)**1. Technologies to be Demonstrated**

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
-	-	-	-	-	-

2. Proposed Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
-	-	-	-	-

3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
-	-	-	-	-

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status
-	-	-

5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status

6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit

32. Proposed works under NAIP (in NAIP monitoring format)

33. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Sagar				

34. Awards & Recognitions

KVK Name	Name of award /awardees	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Sagar				

35. Case study / Success Story to be developed –

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Sagar	01	01

16. KVK, Sagar-II

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	04	20	-	-	
FLDs – Oilseeds (activity in ha)	05	13			
FLDs – Pulses (activity in ha)	05	13	-	-	
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	04	20	10	25	
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	-	-	-	-	
Training-Farmers and farm women	15	375			
Training-Rural youths	-	-			
Training- Extension functionaries	-	-			
Extension Activities	-	-			
Seed Production (Number of activity as seeds in quintal)	-	--			
Planting material ((Number of activity as quantity of planting material in quintal)	-	-			
Seedling Production (Number of activity as number of seedlings in numbers)	-	-			
Sapling Production (Number of activity as number of sapling in numbers)	-	-			
Other Bio- products (No. of quantity)	-	-			
Live stock products	-	-			
Activities of Soil and Water Testing Laboratory	-	-			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	-	-			
SAC Meeting (Date & no. of core/ official members)	-	-			
Literature to be Developed/Published	-	-			
Convergence programmes / Sponsored programmes	-	-			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel	-	-			
Utilization of Staff Quarters	-	-			
Details of KVK Agro-technological Park	-	-			
Crop Cafeteria-	02	2500			
Farm Innovators- list of 10 farm innovators from the District	-	-			
Status of Revolving Funds	-	-			
Awards and Recognitions	01	-			
Case study / Success Story to be developed	02	-			
KVK Progressive Farmers interaction	01	-			
Outreach of KVK in the District (No. of blocks, no. of villages)	11	-			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	01	-			
Important visitors to KVK	01	-			
Status of KVK Website	02	-			
Status of RTI	-	-			
E-connectivity	02	-			
Details of Technology Week Celebrations	01	-			
Interventions on Drought Mitigation					
Proposal of NAIP					
Proposal of NICRA					
Well labeled photographs					
Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Senior Scientist & Head (Nodal Officer)	Dr. K. S. Yadav	Horticulture	Ph.D	Horticulture	37400-67000	557110	15.5.2012	Temporary	OBC
Scientist									
Scientist									
Scientist									
Scientist									
Scientist									
Scientist									
Programme Assistant	Shri Mayank Mehra	Home Science			9300-34800 GP- 4200	42700		Temporary	SC
Programme Assistant									
Computer Programmer									
Accountant / superintendent									
Stenographer									
Driver									
Driver									
Supporting staff									
Supporting staff									

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

The district of Sagar lies in the north central region of Madhya Pradesh. It is situated between 23° 10' and 24° 27' north latitude and between 78° 4' and 79° 21' east longitude. The region is known for rainfed crops, wheat, potato etc. The Climate is hot sub humid with annual rainfall 1235 mm. Soils of the district vary from clay to sandy loam with predominantly medium black. Major cropping sequences are Soybean - Wheat/Gram/Lentil, Urdbean/ Mungbean-Wheat / Chickpea.

Soybean, Wheat and chickpea are major crops of the region, there is extensive cattle raising. District Sagar is predominantly a Scheduled Caste/Backward class district. These together form about 75% of the district. The district has sizable population of tribals, named as Rajgonds after their kingdom. Sagar district is comprised of 11 blocks and 11 Tehsils and 2089 villages. Total population of the district is 23,78,295 which includes 12,64,251 (53%) males and 11,24,044 (47 %) females.

Total cultivated area under the districts is 53.61% where as rest of 5.62 % area comes under arable land, 21.44 % under forest and 1.72 % land remains as fallow. Around 39.35 % area under *Kharif* seaseon is cropped where as in *Rabi* season, area under crops increases with a total of 44.81 %. Double cropped area and net irrigated area in sagar district is 56.99 % and 54.52 % respectively.

Land Use Pattern

Geographical area	1022759 ha
Total population	2378295
Forest area	219297 ha
Cultivated area	548277 ha
Fallow land	17575 ha
Area under Kharif crops	412691 ha
Area under Rabi crops	4,74,597 ha
Cropping intensity	162 %
Net Irrigated area	334163 ha
Arable land	57,250 ha
Double cropped area	338548 ha
Area under Fruit crops	2822 ha
Area under vegetables	33,658 ha
Area under spices	19520 ha

Area under Flower	174.5 ha
Area under Medicinal Plants	47 ha

Live stock:

S.No	Animal	Population	Production
1.	Buffalo	2,15,281	257800 mt Milk
2.	Cow	8,08,412	
3.	Goat/Sheep/ Poultry	2,55,393	700 mt meat, egg - 185.4 lakh

Important crops of the District (2020-21)

Crop	Area ('000 ha)	Production ('000 Tonnes)	Productivity (kg/ha)
Soybean	251.342	117.125	464
Blackgram	83.128	23.11	278
Greengram	4.428	2.621	592
Groundnut	1.184	1.070	904
Paddy	6.088	9.449	1552
Pigeonpea	15.818	17.083	1080
Wheat	241.866	740.911	3063
Gram	141.00	178.79	960
Lentil	30.30	13.65	481
Linseed	0.823	0.436	530
Field pea	13.100	9.733	743

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2020 to 31.12.2021 (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Sagar	-	-	-	-	-	-

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Sagar	(11)To facilitate the availability of seed of improved varieties of major crops i.e. soybean, Pigeonpea, Gram, Wheat in the district.
Sagar	(12)To motivate farmers towards cultivation of vegetables, spices, medicinal plants and management practice in fruit crops to increase the socio economic status.
Sagar	(13)Better input use and their management through IPM, IDM, INM, IWM technologies for increasing crop production.
Sagar	(14)Conservation of natural resources to control soil and water erosion through water harvesting, conservation of soil moisture through summer ploughing, use of organic & bio fertilizers.
Sagar	(15)Improvement of breeds of Cattles, Balance feeding of milch animal and their health management.
Sagar	(16)Need to organize agri- based vocational trainings for self employment of rural youths like vermi compost production ,Seed production, Mushroom production, Production Technology of high value vegetable crops, value addition, dairy etc.
Sagar	(17)Women empowerment through modern implements / farm mechanization (Spiral grader, Seed separator, Wheel hoe, hanging grain cleaner, Potato digger and Onion planter) to reduce farm women drudgery.
Sagar	(18)Create awareness regarding post harvest losses during storage and value addition to agro products like Tomato, Ber, Amla, Mango.
Sagar	(19)To Create awareness about drudgery reduction of farm women, income generation by farm women, health, hygiene, nutrition in farm women and malnutrition in children by soy foods and other locally available raw materials
Sagar	(20)Expansion of various advance technology among the farmers.

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Sagar	Low Yield of Soybean due to weed infestation, imbalance fertilizer application and insect pest and disease infestation	PRA, Group Discussion	Vill.- Semragopalman Block-Jaisinagar
Sagar	Low yield of Chickpea due to incidence of Wilt disease and Pod borer.	PRA, Group Discussion	Vill.- Dabri, Block - Rahatgarh
Sagar	Low yield of Wheat due to use of high seed rate, Imbalance use of fertilizer.	PRA, Group Discussion	Vill.- Semragopalman Block-Jaisinagar
Sagar	Low yield of vegetables due to imbalance nutrient management, weed management, pest infestation	PRA, Group Discussion	Vill.- Chitora Block-Sagar Vill.- Mankai Block - Jaisinagar
Sagar	Livestock - Low milk production due to low protein intake, poor availability of green fodder round the year	PRA, Group Discussion	Vill.- Semragopalman Block-Jaisinagar
Sagar	Women in Agriculture - Low income of farmwomen, lack of	PRA, Group Discussion	Vill.- Semragopalman

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	knowledge regarding post harvest losses and value addition, heavy workload during agricultural work.		Block-Jaisinagar Vill.- Dabri, Block – Rahatgarh

2. On Farm Testing

2.1 Details of OFT on Crops

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
2020	Rabi	Low yield due to old & mixed seed	Assessment of improved variety of lentil (RVL 31) in partial irrigated condition	Assessment	Use of old variety	RVL 31+full package of practices	-	Varietal evolution	Lentil	Rain fed	2.0 ha	10							
2020	Khari f	Poor knowledge about SHC recommendation	Assessment of knowledge & adoption of soil health card based fertilizer application	Assessment	Farmers are not using fertilizers as per SHC Recommendation	To find out the awareness, knowledge and adoption of farmers toward soil health card practices To study the	-	ICM	-	-	-	300							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
						attitude of farmers towards soil health card practices. To study the constraints perceived by the farmers in adoption of soil health cardb recommedation.													
2020	Khari f	Low return due to Onion cultivation in rabi season	Assessment of Kharif Onion Bhima Super/ Kohinoor china) for crop diversification higher and income.	Assessme nt	Nasik Red	Improved variety- Bheema super / Kohinoor china	-	NRM	Crop - Onion	Irri gated	1.0	10							
2020	Khari f	Low yield of Soybean due to	Assessment of IDM module	Assessm ent	Spray of Carbendazim at disease	Seed treatment with	-	IDM	Crop - Soyb	Rai nfe d	2.0 ha	10							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment /Refinement)	Title of Technology/Variety			Thematic Area	Crop / enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
		heavy incidence of foliar diseases	for Rhizoctonia arial blight diseases of Soybean		appearance	<i>Trichoderma viride</i> and foliar spray of Theophanate methyl @ 1.5 ml/ L+ foliar spray of Carbendazim + Mancozeb @ 2.5 gm/lit of water			ean										

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of short duration variety of Pigeonpea on raised bed in Pigeonpea-Wheat cropping System		
Assessment of Blackgram varieties		
Assessment of improved variety of lentil (RVL 31) in partial irrigated condition		
Assessment of Lentil + linseed intercropping (2:1) for wilt manage and more returns		
Assessment of Kharif Onion Bhima Super/ Bhima Shakti) for crop diversification higher and income.		
Assessment of Cauliflower variety Early Raj for higher income		
Assessment of Biofertilis and sagarika for micronutrient management in Tomato		
Assessment of Marigold varieties Pusa Deep, and Pusa Bahar		

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of IPM module for leaf curl disease of Chilli		
Assessment of IPM for management of fruit borer in Okra		
Assessment of IDM module for Rhizoctonia areal blight diseases of Soybean		
Assessment of IDM modules for management of leaf blight/ foliar diseases in Tomato		
Assessment of Bio-waste decomposer for quality organic product to enhance soil health		
Assessment of knowledge & adoption of soil health card based fertilizer application		
Assessment of INM in Cauliflower		
Assessment of Integrated nutrient management in Onion		

2.2 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Assessment of improved variety of lentil (RVL 31) in partial irrigated condition																
Assessment of Kharif Onion Bhima Super/ Bhima Shakti) for crop diversification higher and income.																
Assessment of IDM module for Rhizoctonia areal blight diseases of Soybean																
Assessment of knowledge & adoption of soil health card																

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
based fertilizer application																

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/ Variety			Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recom- mendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	

2.3 Details of OFT on Agriculture Engineering

2.3a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.4 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.5 Details of OFT on Animal Science

Year	Season	Problem diagnosis	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	

2.5a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of Spinless cactus as animal fodder in lactating animals.		
Assessment of macro & micro nutrient and concentrate feed on milk yield of dry cows		
Assessment of Kadaknath breed for egg and meat purpose in backyard condition.		
Assessment of hydroponics for feeding of milch animals		

2.6 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.7 Details of OFT on Fisheries

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Title of Technology/ Variety			Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	

2.7a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.8 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.9 Information about Home Science OFT: (For All Thematic Area)

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations

2.9 (A) Economic Performance Home Science OFT: (For Drudgery Reduction)

OFT Title	Performance Indicator / Parameter													
	Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

2.9 (B) Economic Performance Home Science OFT: (For Income Generation)

E15 (2) Economic Performance Home Science OF T1 (Per Income Generation)												
OFT Title	Performance Indicator / Parameter											
	Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.9 (C) Economic Performance Home Science OFT: (For value addition)

OFT Title	Performance Indicator / Parameter													
	Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.9 (D) Economic Performance Home Science OFT: (For Nutritional security)

OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of vegetable/Fruit/Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2020-21)

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
Soybean	ICM	Ridge –Furrow method of sowing, Improved variety JS 9305	Training, Field day, FLDs	150	36000	40,000
Blackgram	IDM	Improved variety PU 31, Seed treatment with Imidacloprid 48 %	Training Field day, FLDs	235	9500	72,000
Wheat	IV	Improved variety JW 3288 for partially irrigated condition and GW 366 for irrigated	Training, Field day, FLDs	45	5000	30,000
Gram	IV & IPM	Improved variety JG 63 and IPM for pod borer	Training, Field day, FLDs	75	35000	40,000

3.2 Details of FLDs on Crop to be implemented during 2020-21

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	IWM	Demonstration on weed management in Soybean by Post emergence weedicide (Imezathypre 3.75% + Propiquizaphop2.5%)	Soybean	JS 20-34	2.0 ha								
2020	Kharif	ICM	Improved Variety , Seed treatment with Vitavax Power + NPK 20:50:20+ Insect control	Blackgram	Pratap Urd-1	10 ha								

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	ICM	Improved Variety , Seed treatment with Vitavax Power + NPK 20:60:40+ Insect control	Soybean	JS 20-34	10 ha								
2020	Rabi	ICM	Improved Variety of Chickpea (JG -12) under Limited Irrigation , Seed treatment with Vitavax Power, and Thiamethoxam+ NPK 20:60:40+ Insect control	Gram	JG 12	10 ha								
2020	Kharif	INM	Demonstration on INM in chickpea on soil test value	Chickpea	JG 14	2.0 ha								
2020	Rabi	IV -HOV	Demonstration on leafy coriander variety for income generation	Coriander	Evergreen	1.0 ha								
2020	Rabi	IPM	Integrated Management of Brinjal fruit and shoot borer	Brinjal	S 1014	2.0 ha								

3.3 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration on weed management in Soybean by Post emergence weedicide (Imezathypre 3.75% + Propiquizaphop2.5%)	Soybean											
Improved Variety , Seed treatment with Vitavax Power + NPK 20:50:20+ Insect control	Blackgram											
Improved Variety , Seed treatment with Vitavax Power + NPK 20:60:40+ Insect control	Soybean											
Improved Variety of Chickpea (JG -12) under Limited Irrigation , Seed treatment with Vitavax Power, and Thiamethoxam+ NPK 20:60:40+ Insect control	Gram											
Demonstration on INM in chickpea on soil test value	Chickpea											
Demonstration on leafy coriander variety for income generation	Coriander											
Integrated Management of Brinjal fruit and shoot borer	Brinjal											

3.4 Details of FLDs on Agriculture Engineering to be implemented during 2019-20

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.5 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		B:C Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.6 Details of FLDs on Animal Science to be implemented during 2019-20

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety /Technology /Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.7 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.8 Details of FLDs on Fishery to be implemented during 2019-20

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
--	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.9 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
--	-	-	-	-	-	-	-	-	-	--	-	-

3.10 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries

3.11(A) Economic Performance Home Science FLD: (For Drudgery Reduction)

FLD Title	Performance Indicator / Parameter													
	Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	--

3.11 (B) Economic Performance Home Science FLD: (For Income Genration)

FLD Title	Performance Indicator / Parameter											
	Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Income generation through marigold cultivation by Farm women	-	-	-	-	-	-	-	-	-	-	-	-

3.11 (C) Economic Performance Home Science FLD: (For value addition)

FLD Title	Performance Indicator / Parameter													
	Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Demonstration on value addition of tomato in the form of Sauce and Ketchup through SHGs for income generation	-	-	-	-	-	-	-	-	-	-	-	--	-	-

3.11 (D) Economic Performance Home Science FLD: (For Nutritional security)

FLD Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of vegetable/Fruit/Product		Per capita Consumption		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height		Increase in BMI (%)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Establishment of kitchen garden for nutritional security	-	Common available fruit and vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.12 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Sagar	-	-	-	-	-

3.13 Details of FLD on crop hybrids.

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
	Sagar	-	-	-	-	-

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Sagar	-	-	-	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Sagar	-

5. TRAINING PROGRAMMES

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants to be involved
Sagar	F/FW	PRA		
Sagar	F/FW	PRA		
Sagar	RY	PRA		
Sagar	In-service	Group discussion		

Table 5.2. Details of Training programmes to be conducted by the KVKs.

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
F/FW	OFC	CP	Improved production technology of blackgram and	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			seed production											
F/FW	OFC	CP	Weed management in soybean	1	1	25								
F/FW	OFC	SFM	INM in Vegetables crops	1	1	25								
F/FW	OFC	SFM	INM in Wheat	1	1	25								
F/FW	ONC	HOV	Production technology of early cauliflower	1	1	25								
F/FW	ONC	HOV	Production technology of offseason vegetables	1	1	25								
F/FW	ONC	PLP	Insect pest infestation during storage and their management	1	1	25								
F/FW	ONC	PLP	Disease management in summer vegetables	1	1	25								
F/FW	ONC	SFM	Method of seed and soil treatment for the management of soil borne diseases	1	1	25								
F/FW	OFC	PLP	Integrated Disease management Black gram	1	1	25								
F/FW	OFC	PLP	Insect pest management in Soybean	1	1	25								
F/FW	OFC	WOE	Preparation and use of fortified sattu	1	1	25								
F/FW	OFC	WOE	Value addition of Soybean/ Pulses	1	1	25								

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Sagar	-	-	-	-	-	-	-	-	-	-

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Sagar	-	-	-	-	-

Table 5.5. Sponsored Training Programmes

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
-	-	-	-	--	-	-	-	-	-	-	-	-	

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on		
			Before	After	Before	After	Before	After	1. Area expanded (ha)	2. No. of farmers adopted (no.)	3. % change in knowledge, production & Income
Sagar	Ex-trainees meet	01									

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Sagar	-	-	-	-	-	-	-	-	-	-	-	-

7. Production and supply of Technological products

7.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Sagar	-	-	-	-	-	-	-	-

7.2 Planting Material production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Sagar	BIOAGENTS	400 kg	-	-	Purchased from JNKVV and sold to the farmers
Sagar	-	-	-	-	-

7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Sagar	-	-	-	-	-	-	-

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : -

Year of establishment : -

8.1 Details of soil & water samples analyzed so far :

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Sagar	-	-	-	-	-	-

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total
Sagar	-	-	-	-	-	-	-	-	-	-

10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	No. of beneficiaries		No of Village Covered	Major recommendations
		Farmers	Ext. Pers.		
Sagar	-	-	-	-	-

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Sagar	To be communicated from JNKVV		

12. Literature to be Last Developed/Published (with full title, author & reference)**12.1 KVK Newsletters**

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Sagar	2008	Quarterly	500 each quarter	450 each quarter

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Sagar	CD	IPM in Kharif crops	

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies

13. Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Sagar	-	-	-	-	-	-

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds): Not furnished

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Sagar		-	-	-	-	-	-

15. Utilization of Staff Quarters.

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Sagar	-	-	-	-	-

16. Details of KVK Agro-technological Park –

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
1	Sagar	-	-

b) Details about Technology Park

Name of Component of Park	Season	Detail Information (If established)	
Crop Cafeteria	Kharif	Soybean	RVS 2001-18, RVS 2001-4, JS 20-98, JS 20-29, JS 20-34, JS 20-69, JS 335, JS 20-05, JS 97-52, JS 20-116 JS 20-94
		Green gram	Shika, IPM 2-3, IPM 2-14, IPM99-125,TJM 3, BM 4, AKM 8802, VIRAT, PDM 139, WHITE MOONG (Local)
		Balck gram	Shekar Urd 3, PU 31, PU 35, PU 30, Pratap urd 1, IPU 2- 43, IPU 94-1, NUL 7, JU 86, KU 96-3
	Rabi	Wheat	MP 4010, MP 1203, HI 1544, MP 1215, JW 3288, HI 8737, HI 8498, HI8713, DBW 110, GW366, GW 322, MP3336, HI1531,JW3020, JW3173, JW 3211
		Gram	JG 14, JG 12, JG 16, JG 63, JG 74, JG 315, JG 11, JG 322, JAKI 9218,RSG 807, VIJAY
		Lentil	JL 1,JL 3, PL 5, IPL316, DPL 62, IPL 81, PL 8, RVL 31, JKG 1
		Linseed	JLS 67, JLS 79, JLS 66, JLS 27, JLS 9, JLS 95, JLS 73, JLS RLL 148,KBA4
Technology Desk		-	
Visitors Gallery		-	
Technology Exhibition		High density Guava, Drip in guava, sprinkler in Amla, Nursery, Vegetables in Poly house	
Technology Gate-Valve		-	

17. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Saga-r	-	-	-

18. KVK interaction with progressive farmers-

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	-	-
2	-	-

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Sagar	-	-	-	-

Intensive- OFTS, FLDS etc, **Extensive-** Literatures, Publications, Awareness programmes etc.

20. Technology Deonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
-	-	-	-	-

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
-	Tikamgarh	Seed, Technical inputs	
2	Damoh	Seed, Technical inputs	
3	Raisen	Seed, Technical inputs	

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Sagar			

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Sagar		05	

24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1	Sagar	-	-

25. E-CONNECTIVITY (ERNET Lab): Not available

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			
Sagar	-	-	-	-	-	-	-

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Sagar	Gosthies	-		
Sagar	Lectures organized	-		
Sagar	Exhibition	-		
Sagar	Film show			
Sagar	Fair			
Sagar	Farm Visit			
Sagar	Diagnostic Practical's			
Sagar	Distribution of Literature (No.)			
Sagar	Distribution of Seed (q)			

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Sagar	Distribution of Planting materials (No.)			
Sagar	Bio Product distribution (Kg)			
Sagar	Bio Fertilizers (q)			
Sagar	Distribution of fingerlings			
Sagar	Distribution of Livestock specimen (No.)			
Sagar	Total number of farmers visited the technology week			
Sagar	Animal health camp			
Sagar	Awareness programme			
Sagar	Cashless Transaction Week			
Sagar	Celebration of important days (Parthenium eradication week, Swachhata Abhiyan and Soil Health Day, International Women Day, National Integrity Day, World environment day, World forestry day, World Water Day)			
Sagar	Demonstration			
Sagar	Exposure visit			
Sagar	Extension activity			
Sagar	Ex-trainees Meet			
Sagar	Farmer scientist interaction			
Sagar	Farmers Training			
Sagar	Field Day			
Sagar	Field visit			
Sagar	Gajarghans Unmulan Pakhwada			
Sagar	Group Meeting			
Sagar	Hindi diwas pakhwada			
Sagar	Jai Kisan Jai Vigyan Sangoshthi			
Sagar	Narmada sewa Yatra			
Sagar	News Paper/Mass Media			
Sagar	Plant health camp			
Sagar	Plant Protection Week			

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Sagar	Scientists visits in farmers field			
Sagar	Seed treatment campaign			
Sagar	Self Help Group convener meet			
Sagar	Soil health Camp			
Sagar	Swachha Bharat Abhiyan			
Sagar	Technology Week			
Sagar	Van Mahotsava	-		
Sagar	Others (Pl. Specify)	-		

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl.No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
1	-	-	-	-

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
1	-	-	-	-

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No.of participants
1	-	-	-	-

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Sagar	-		

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Sagar	-	-	-	-

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Sagar	-	-	-	-

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers
Sagar	-	-	-	-

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Sagar	-	-	-	-

Vermes Produced

Name of KVK	Vermes Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers
Sagar	-	-	-	-

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers

Awareness Campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Sagar	-	-	-	-	-	-	-	-	-	-	-	-

28. Activities proposed of Satellite Village on Doubling Farmer's Income
Information about Satellite Village

Name of KVK	Block	Village
Sagar	-	-

1. Proposed Activities for Natural Resource Management:-

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
-	-	-	-	-	-

2. Proposed Activities for Crop Diversification:-

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
-	-	-	-	-	-

3. Proposed Activities for Crop Production

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks
Demonstration on Soybean (JS 2034)	10	25	
Demonstration on Chickpea (JG63)	10	25	

4. Proposed Activities for Livestock and Fisheries

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
-	-	-	-	-	-

5. Proposed Activities for Livelihood Security to small and marginal land holders:-

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered	Remarks
-	-	-	-	-	-

6. Proposed Activities for Institutional Interventions

Name of intervention undertaken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks

7. Proposed Activities for Capacity Building

Thematic area	No. of Courses	No. of beneficiaries		
		Male	Female	Total
Production technology of Krarif crops	01			
Production technology of Rabi crops	01			

Thematic area	No. of Courses	No. of beneficiaries		
		Male	Female	Total
INM in Kharif Crops	01			
INM in Rabi Crops	01			
Production technology of Solanaceous vegetables	01			
Production technology of Potato & Onion	01			
IPM in Vegetables	01			
IPM in Rabi Crops	01			
Grain Storage	01			
Installation of Dairy Unit	01			
Breeds of Cattle and buffalo and their Management	01			
Care & management of milch animals	01			
Nutritional Kitchen gardening	01			
Value addition of Soybean	01			

8. Proposed Extension Activities in Satellite Village

Thematic area	No. of activities	No. of beneficiaries		
		Male	Female	Total
-	-	-	-	-

29. Activities proposed in Nutri-Smart Village

1.Information about Nutri-Smart Village

Name of KVK	Block	Village
Sagar	Jaisinagar	Semragopalman

2.Innovative practices to promote nutrition-sensitive agriculture and food security :

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	Quantity (unit)	% change in Nutritional Status	No of beneficiaries
-	-	-	-	-	-	-

3.Value Chain And Village Trade related Issue:

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	Quantity	% change in Nutritional Status	No of beneficiaries
-	-	-	-	-	-	-

4. Improving Maternal and Child Nutrition

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	% change in Nutritional Status	No of beneficiaries
Strategies and programs for improved maternal nutrition-experiences	Training	Training on nutrient efficient diet			
Community based strategies to enhance and sustain breast feeding practices and promote early childhood development.					
Approaches to improve complementary foods and feeding practices.					
Comprehensive approach to address acute malnutrition in children.					
Improving nutrition among tribal population with community focus on first 1000 days.					

5. Nutrition Literacy

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention undertaken	Number of Courses	No of beneficiaries
-	-	-	-	-

6.Capacity development of women institutions/ SHGs/ FIGs/FPOs

Area	Name of intervention undertaken	Number of Courses	No of beneficiaries
-	-	-	-

7. Enabling Suitable governance and policy

Areas	Name of intervention taken	Numbers under taken	No of Courses	No of beneficiaries
-	-	-	-	-

8. Institutional Interventions in Collaboration (through KVK, Anganwadi of other Department) :-

Name of intervention undertaken	No of collaborative Department	No of beneficiaries	Remark
Nutritional Kitchen garden	Horticulture, Mahiala Bal Vikash Bibhag	50	-

30. Activities Proposed for Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village
Sagar	Sagar	Badona

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
-	-	-	-	-	-

2. Proposed Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
-	-	-	-	-

3. Proposed Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
-	-	-	-	-

31. Proposal of NICRA (Only NICRA KVKs)**1. Technologies to be Demonstrated**

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
-	-	-	-	-	-

2. Proposed Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
-	-	-	-	-

3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
-	-	-	-	-

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status
-	-	-

5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status

6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit

7. Feedback of Farmers for future improvement, if any.

8. Good Action Photographs after work progress (step-wise)

32. Proposed works under NAIP (in NAIP monitoring format)**33. Status of Revolving Funds (Rs.)**

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Sagar				

34. Awards & Recognitions

KVK Name	Name of award /awardees	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Sagar				

35. Case study / Success Story to be developed –

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Sagar	01	01

17. KVK, Seoni

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	24	120			
FLDs – Oilseeds (activity in ha)	17	95			
FLDs – Pulses (activity in ha)	0	0			
FLDs – Cotton (activity in ha)	0	0			
FLDs – Other than Oilseed and pulse crops(activity in ha)	0	0			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	4	40			
Training-Farmers and farm women	75	2500			
Training-Rural youths	09	232			
Training- Extension functionaries	08	136			
Extension Activities	241	6000			
Seed Production (Number of activity as seeds in quintal)	365	-			
Planting material ((Number of activity as quantity of planting material in quintal)	15000	375			
Seedling Production (Number of activity as number of seedlings in numbers)	10000	300			
Sapling Production (Number of activity as number of sapling in numbers)	-	-			
Other Bio- products (No. of quantity)	4000	1000			
Live stock products	400	-			
Activities of Soil and Water Testing Laboratory	1000	500			
Rainwater Harvesting System	03	60			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Kisan Mobile Advisory (KVK-KMA)	108	32369			
SAC Meeting (Date & no. of core/ official members)	02	-			
Literature to be Developed/Published	15	12000			
Convergence programmes / Sponsored programmes	05	-			
Utilization of Farmers Hostel	03	120			
Utilization of Staff Quarters	06	06			
Details of KVK Agro-technological Park	10	500			
Crop Cafeteria-	02	1200			
Farm Innovators- list of 10 farm innovators from the District	01	10			
Status of Revolving Funds	-	-			
Awards and Recognitions	-	-			
Case study / Success Story to be developed	02	02			
KVK Progressive Farmers interaction	02	02			
Outreach of KVK in the District (No. of blocks, no. of villages)	06, 91	-			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	03	-			
Important visitors to KVK	-	-			
Status of KVK Website	Yes	-			
Status of RTI	-	-			
E-connectivity	Yes	-			
Details of Technology Week Celebrations	01	-			
Interventions on Drought Mitigation	01	-			
Sansad Adarsh Gram	-	-			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Other Activities	-	-			
	Yes	-			
	4	120			

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Seoni	16	1	1	6	5	3	2	6	3	16	11

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	S. S. Baghel	Soil science	Ph. D	Soil science	(37400-67000) +9000/-	37400	01-02-2019	SC
SMS/ Scientist 1	A.P. Bhandarkar	Entomology/ Plant protection	M.Sc.	Entomology	(15600-39100) + 7000/-	40870	17.06.2017	OBC
SMS/ Scientist 2	S.K. Chourasia	Agril. Engg.	M. Tech	Agril. Engg.	(15600-39100) + 6000/-	28510	27-01-07	OBC
SMS/ Scientist 3	K.K. Deshmukh	Soil science	Ph. D	Soil science	(15600-39100) + 7000/-	31860	08-03-07	OBC
SMS/ Scientist 4	N.K. Singh	Horticulture	Ph .D	Horticulture	(15600-39100) + 7000/-	31860	04-06-07	Gen
SMS/ Scientist 5	R.S. Thakur	Food Scientist	Ph .D	Food Science	(15600-39100) + 6000/-	15600	29-01-2019	Gen
SMS/ Scientist 6	Vacant							

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Programme Assistant	G.K. Rana	Food Science	M.Sc.	Food Science	(9300-34800) + 4200/-	9300	11-02-2019	OBC
Programme Assistant	K.P.S. Saini	Veterinary	M.V.Sc.	Veterinary	(9300-34800) + 4200/-	9300	20-08-2019	Gen
Farm Manager	Vacant							
Computer Programmer	Vacant							
Accountant / superintendent	Smt. Abha Shrivastava Asstt. Gri. II	-	B.Com	-	5200-20200+2400	14280	21-08-95 KVK 20.07.2011	Gen
Stenographer	Vacant	-	-	-	-		-	-
Driver	Shiv Prasad Mishra	-	12 th	-	5200-20200+1900	9650	07-07-08	Gen
Driver	Devi Prasad Tiwari	-	12 th	-	5200-20200+1900	9650	09-07-08	Gen
Supporting staff, if any	Vacant	-	-	-	-		-	-
Supporting staff, if any	Vacant	-	-	-	-		-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Seoni	Kymore Plateau & Satpura Hills	08	645	1379131	864194	650653	250043	2.83 ha

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Seoni	Simariya	2010	Seoni	12	970	78
Seoni	Kachana	2010	Barghat	22	1245	45
Seoni	Takhalakala	2010	Barghat	20	780	39
Seoni	Khathi	2010	Barghat	18	567	32
Seoni	Manegoan	2010	Barghat	48	870	45
Seoni	Dondiwada	2010	Barghat	33	1203	78
Seoni	Mundapar	2010	Barghat	22	990	56
Seoni	Bhoma	2010	Seoni	15	1187	72
Seoni	Katalbodi	2010	Seoni	12	1002	67
Seoni	Harai	2010	Lakhnadone	75	890	56
Seoni	Putlai	2010	Kurai	28	880	59
Seoni	Khinagi	2010	Kurai	27	654	45
Seoni	Gunguj	2010	Dhanora	158	645	78
Seoni	Khapa	2012	Seoni	14	557	95
Seoni	Nandora	2012	Seoni	10	525	182
Seoni	Jhriyatola	2012	Seoni	22	454	78
Seoni	Khairtola	2013	Seoni	16	387	103
Seoni	Sukwaha	2013	Seoni	18	828	173
Seoni	Jhilpiperiya	2013	Seoni	21	1470	76
Seoni	Mandi	2013	Barghat	25	1275	255
Seoni	Jorawari	2013	Barghat	26	460	87
Seoni	Tikari	2013	Barghat	28	853	172
Seoni	Bamhni	2013	Barghat	30	1020	221
Seoni	Dondiwada	2014	Barghat	33	1203	78
Seoni	Khapa	2014	Seoni	14	557	95
Seoni	Kanchna	2014	Barghat	22	1245	45
Seoni	Sarasdol	2014	Lakhnadone	68	1112	63

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Seoni	Sukwaha	2014	Seoni	18	828	173
Seoni	Badkumari	2015	Kurai	15	823	145
Seoni	Panvaas	2015	Barghat	32	936	176
Seoni	Takhla	2015	Barghat	38	1014	245
Seoni	Potlai	2015	Kurai	42	678	89
Seoni	Aalesur	2015	Kurai	43	789	112
Seoni	Datni	2015	Seoni	15	840	115
Seoni	Gopalganj	2016	Seoni	15	1560	115
Seoni	Yerma	2016	Kurai	22	945	289
Seoni	Banghori	2017	Seoni	16	1027	297
Seoni	Kalarbanki	2017	Seoni	29	1479	348
Seoni	Jamuniya	2017	Seoni	24	1235	259
Seoni	Dheka	2017	Seoni	37	1544	363
Seoni	Rampuri	2018	Seoni	39	1089	288
Seoni	Setewani	2018	Seoni	40	717	

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Seoni	Crop and Varietals Diversification.
Seoni	Use of organic matter for Sustainable Agriculture.
Seoni	Popularization of azolla for supplement cattle feed.
Seoni	Soil Health Management
Seoni	Rural waste management through JNKVV, Biodigester.
Seoni	Popularization of implements & Farm machine.
Seoni	Popularization of improved variety of vegetables.
Seoni	Plant nutrient management in crops
Seoni	Linseed – Varietals adoption and fertilizer management
Seoni	Vegetable - Popularization of improved variety, hybrids of vegetables, Plant protection in vegetables
Seoni	Varietal -availability, sowing method ridge & furrow method & Nutrient Management.

KVK Name	THRUST AREA
Seoni	Popularization of Sweet corn cultivation
Seoni	Fruit Crop- Popularization of Rejuvenation technique in Guava and Mango.
Seoni	Popularization of improved production and management technology of Fruit Crops
Seoni	Popularization and value addition of Water chestnut Farming.
Seoni	Empowering the farm women through income generation activity
Seoni	Value addition of Soybean ,Ber ,Lac ,Guva in Rural areas
Seoni	Drudgery and increased efficiency of farm women through improved technology

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Seoni	Low yield of Soybean, Green gram ,Black gram due to severe incidence of YVMV , Low yield in Paddy due to old variety & insect pest and diseases attack, old variety, lack of mechanization Low yield in Soybean due to diseases complex, Nutrient management Low yield of Pea due to old variety and imbalance fertilizer application Low yield due to improper management of practices Low yield in Gram due to pod borer and wilt infestation Post harvest losses due to lack of tools Low yield in Pigeonpea due to old variety and frost Poor market linkage of underutilized fruits and vegetables Low yield of okra due to improper nutrition Lack of income generation activity. Low yield of chickpea due to use of degenerated seeds of old and disease susceptible varieties. Use of old/unidentified varieties, sowing by broadcasting/ in furrows at flat bed and use of NPK @ 7:17.5:0 kg/ha Management of Rural waste Burning of crop residues.	PRA, During Training Programme, Farmers Meeting, Group Discussion	Yerma Alesur Patrai Dheka Chui Ghatpepariya Jamuniya Nandora Khairmatakol Sargapur Narela Singhodi Khairitek Jaitpurkala Babutola Birholi Amakola Ponia Raiyatwadi Chui Ghatpiparia

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	Indiscriminate use of fertilizer, insecticide and pesticide.		Bhongakheda Khamkhareli Balpura Marjhor Dheka Kalarbanki Banghori Partapur Fareda Banki Beheriya Sargapur Nandora

2. On Farm Testing (OFT)

2.1 Information about OFT: 1

Title of on-farm trial:	Assessment of Azoxystrobin 23% SC against False smut in paddy
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Heavy Infestation of false smut (15-20%) in paddy and yield loses up to 10-15%
Thematic area:	Plant Protection
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of fungicide
T2 –Recommended Practice-	One spray of Azoxystrobin 23% SC @ 500 ML/ha. At boot stage
T3- Recommended Practice-	Two spray of Azoxystrobin 23% SC @ 500 ML/ha. First spray at boot stage and second at 5% ear

	head
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, 2017-18
Characteristics of technology:	Fungicide used against false smut in paddy @ 500 ML/ha. To control false smut in paddy
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

2.1 Information about OFT: 2

Title of on-farm trial:	Assessment of Thiamethoxam 12.6% + lambdacyhalothrin 9.5% against fall worm in maize
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Heavy infestation of fall worm in maize damage in 15-20% plants yield loses up to 20%
Thematic area:	Plant Protection
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	

T1 – Farmers Practice-	Use of Emamectin benzoate 250 gm./ha.
T2 –Recommended Practice-	One spray of Thiamethoxam 12.6% + lambdacyhalothrin 9.5% at after 20 days of sowing
T3- Recommended Practice-	One spray of Thiamethoxam 12.6% + lambdacyhalothrin 9.5% at after 20 days of sowing and second spray 20 days
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, 2017-18
Characteristics of technology:	This insecticide of Thiamethoxam 12.6% + lambdacyhalothrin 9.5% widely used against caterpillars
Name of Crop/Enterprises:	Maize
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

2.1 Information about OFT: 3

Title of on-farm trial:	Assessment of Chlorantraniliprole 18.5% SC (Rynaxpyr) for management of pod borer in gram
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Heavy damage of pod borer in gram yield loses up to 30-40%
Thematic area:	Plant Protection
No of trials:	5

No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of Quinalphos 25% SC at flowering stage
T2 –Recommended Practice-	One spray at Flowering stage @ 200 ml/ha.
T3- Recommended Practice-	One spray at Flowering stage @ 200 ml/ha. And second spray @ 200 ml/ha. At 50% pod setting
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, 2011-12
Characteristics of technology:	Insecticide widely used to control the caterpillars
Name of Crop/Enterprises:	Gram
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

2.1 Information about OFT: 4

Title of on-farm trial:	Assessment of Imidacloprid 40% + Fepronil 40 % for the management of aphids in Mustard.
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Heavy infestation of aphids in mustard

Thematic area:	Plant Protection
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Spray of chlorpyrifos 20 EC 1 Litre/ha.
T2 –Recommended Practice-	Spray of Imidacloprid 40% + Fepronil 40 % @ 125 ml/ha. At initiation of aphids
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IIWBR,2012
Characteristics of technology:	Suitable control measure through application of Imidacloprid 40% + Fepronil 40 % @ 125 gm/ha
Name of Crop/Enterprises:	Mustard
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 5

Title of on-farm trial:	Assessment of Power operated hand driven double row paddy weeder
Year/Season:	Kharif 2020-21

Farming situation:	-
Problem diagnosis:	Weed problem in paddy & labour scarcity in paddy cultivation
Thematic area:	Improved Farm Machinery
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Hand weeding / Cono weeder
T2 –Recommended Practice-	Weeding by furrow operated double row paddy weeder
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	CIAE, Bhopal 2012
Characteristics of technology:	Time saving
Name of Crop/Enterprises:	Power operated double row paddy weeder
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 6

Title of on-farm trial:	Assessment of Raised bed Seed drill in Soybean
Year/Season:	Kharif 2020-21
Farming situation:	-
Problem diagnosis:	Crop damage due to heavy rains be also in dry spell
Thematic area:	Improved Farm Machinery
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Sowing by Ordinary seed drill
T2 –Recommended Practice-	Sowing by Raized bed seed drill
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	ICAR-2012
Characteristics of technology:	it shows seed directly on raised bed
Name of Crop/Enterprises:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 7

Title of on-farm trial:	Assessment of Maize Seed Drill in the sowing of maize crop
Year/Season:	Kharif 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Spacing of plant to plant is not obtained properly by ordinary seed drill
Thematic area:	Improved Farm Machinery
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Sowing by Ordinary seed drill
T2 –Recommended Practice-	Sowing by Maize seed drill
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	ICAR-2012
Characteristics of technology:	It maintain desired crop to crop and plant to plant spacing
Name of Crop/Enterprises:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 8

Title of on-farm trial:	Assessment of the drip irrigation + plastic mulch technology in chili crop
Year/Season:	Rabi 2021-21
Farming situation:	Rainfed
Problem diagnosis:	Irrigation loses in conventional method of irrigation and wheat problem
Thematic area:	Irrigation water management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Furrow irrigation
T2 –Recommended Practice-	Irrigation by drip
T3- Recommended Practice-	Drip Irrigation + Plastic mulch
Date of sowing:	-
Date of harvesting:	-
Source of technology:	ICAR-2010
Characteristics of technology:	This technology save the water from percolation loses, evaporation loses and also from weed control
Name of Crop/Enterprises:	-
Recommendations for Farmers	-

Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 9

Title of on-farm trial:	Assessment of improve dual purpose colour bird of poultry
Year/Season:	Kharif 2020-21
Farming situation:	-
Problem diagnosis:	Poor income in backyard poultry
Thematic area:	Livestock production management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Desi Bird
T2 –Recommended Practice-	Improved colour bird Narmada Nidhi
T3- Recommended Practice-	Improved colour bird Krishna J
Date of sowing:	-
Date of harvesting:	-
Source of technology:	NDVSU, Jabalpur ,2017

Characteristics of technology:	Improve dual purpose colour bird of poultry
Name of Crop/Enterprises:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 10

Title of on-farm trial:	Assessment of use of oral calcium supplementation in cattle
Year/Season:	Kharif 2020-21
Farming situation:	No use of calcium
Problem diagnosis:	Low milk yield due to deficiency of calcium in cattle after calving
Thematic area:	Livestock production management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of calcium
T2 –Recommended Practice-	Calcium supplementation
T3- Recommended Practice-	Calcium + mineral mixture
Date of sowing:	-

Date of harvesting:	-
Source of technology:	NDVSU, Jabalpur, 2017
Characteristics of technology:	Oral calcium supplementation in cattle
Name of Crop/Enterprises:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 11

Title of on-farm trial:	Assessment of pre biotics supplementation on growth rate of calves
Year/Season:	Rabi 2020-21
Farming situation:	No use of pre biotics
Problem diagnosis:	Poor growth rate of calves
Thematic area:	Livestock production management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of pre biotics

T2 –Recommended Practice-	Use of pre biotics @ 10 gm/calf per day
T3- Recommended Practice-	Use of pre biotics @ 20 gm/calf per day
Date of sowing:	-
Date of harvesting:	-
Source of technology:	NDVSU, Jabalpur ,2018
Characteristics of technology:	Body weight gain
Name of Crop/Enterprises:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 12

Title of on-farm trial:	Assessment of efficacy of fenbendazole drugs in small ruminants (goats)
Year/Season:	Rabi 2020-21
Farming situation:	No deworming
Problem diagnosis:	Parasitic infestation in goats
Thematic area:	Livestock production management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of fenbendazole
T2 –Recommended Practice-	Use of fenbendazole @ 7.5 mg./kg. BW
T3- Recommended Practice-	Use of fenbendazole @ 7.5 mg./kg. BW
Date of sowing:	-
Date of harvesting:	-
Source of technology:	NDVSU, Jabalpur ,2018
Characteristics of technology:	Body weight gain, mortality (%)
Name of Crop/Enterprises:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 13

Title of on-farm trial:	Assessment of Humic Acid (Vermicompost wash) in maize
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Stunted growth of crop
Thematic area:	Integrated Nutrient Management

No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	NPK (100:40:00)
T2 –Recommended Practice-	NPK (100:40:00) + Spray of humic acid 300 PPM
T3- Recommended Practice-	NPK (100:40:00) + Spray of humic acid 400 PPM
Date of sowing:	-
Date of harvesting:	-
Source of technology:	PDKV Akola, 2012
Characteristics of technology:	Humic acid,(Vermicompost wash) having 1400 PPM humic acid and also micronutrients
Name of Crop/Enterprises:	Maize
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 14

Title of on-farm trial:	Assessment of Humic Acid (Vermicompost wash) in Wheat
Year/Season:	Rabi 2020

Farming situation:	Irrigated
Problem diagnosis:	Lack of knowledge of humic acid
Thematic area:	Integrated Nutrient Management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	NPK (100:40:00)
T2 –Recommended Practice-	NPK (100:40:00) + Spray of humic acid 300 PPM
T3- Recommended Practice-	NPK (100:40:00) + Spray of humic acid 400 PPM
Date of sowing:	-
Date of harvesting:	-
Source of technology:	PKV Akola, 2012
Characteristics of technology:	Humic acid,(Vermicompost wash) having 1400 PPM humic acid and also micronutrients
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 15

Title of on-farm trial:	Assessment of Site specific nitrogen management in rice
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Low fertilizer use efficiency of nitrogenous fertilizers
Thematic area:	Soil Fertility Management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	NPK (60:23:00)
T2 –Recommended Practice-	PK+ Nitrogen as per LCC
T3- Recommended Practice-	RDF
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IRRI
Characteristics of technology:	Enhanced fertilizer use efficiency
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 16

Title of on-farm trial:	Assessment of Site specific nitrogen management in wheat
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Low fertilizer use efficiency of nitrogenous fertilizers
Thematic area:	Soil Fertility Management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	NPK (100:40:00)
T2 –Recommended Practice-	PK+ Nitrogen as per LCC
T3- Recommended Practice-	RDF (120:60:40)
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IRRI
Characteristics of technology:	Enhanced fertilizer use efficiency
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	-

Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 17

Title of on-farm trial:	Assessment of Kharif onion variety Bhima Super
Year/Season:	Kharif - 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield of Kharif onion due to old variety AFDR
Thematic area:	Varietal Evaluation
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety AFDR
T2 –Recommended Practice-	Bhima Super
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	Directorate of Onion and Garlic Research (DOGR) ,2016
Characteristics of technology:	Crop duration 100-105 days,Yield 40-45 t/ha

Name of Crop/Enterprises:	Onion
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 18

Title of on-farm trial:	Assessment of efficient use of Napthlene Acetic Acid (NAA) / Chlormecot Chloride (Lehoshin) with HYV for yield maximization
Year/Season:	Kharif - 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield of chili due to flower drop.
Thematic area:	Integrated Crop Management
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of recommended hormone
T2 –Recommended Practice-	HYV (Kashi Anmol -2) with Napthlene Acetic Acid (NAA) @ 20 ppm at 30 days DAT
T3- Recommended Practice-	Chlormecot Chloride (Lehoshin) @ 20 ppm at 30 days DAT
Date of sowing:	-

Date of harvesting:	-
Source of technology:	ICAR.IIVR,2016
Characteristics of technology:	Induce more flowering and reduce flower and fruit drop of chilli ,Enhanced yield
Name of Crop/Enterprises:	Chilli
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 19

Title of on-farm trial:	Assessment of garden pea variety PSM-3
Year/Season:	Rabi – 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield of pea due to old variety Arkel.
Thematic area:	Varietal Evaluation
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety Arkel

T2 –Recommended Practice-	HYV PSM-3 with Seed treatment with trichoderma virde,Rhizobium & PSB @ 10 ML/Kg seed
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	GBPUAT,2015
Characteristics of technology:	High yielding early maturing variety ,Long pod 8-10 seeds
Name of Crop/Enterprises:	Pea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

Information about OFT: 20

Title of on-farm trial:	Assessment of radish variety Arka Nishant
Year/Season:	Rabi – 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield of radish due to old variety Pusa chetki.
Thematic area:	Varietal Evaluation
No of trials:	5
No. of farmers involved	5

Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety Pusa chetki
T2 –Recommended Practice-	HYV Arka Nishant + Seed treatment with Azotobacter & PSB @ 10 ML/Kg seed
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	ICAR,IIHR ,2012
Characteristics of technology:	Marble white in colour with crisp texture and mild pungency. Resistant to pithiness, premature bolting, root branching and forking, Yield 35-40 t/ha.
Name of Crop/Enterprises:	Radish
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

2.2. Information about Extension OFT: NIL

Title	NIL
Season & Year	
Problem identified	
Thematic Area	

Farming situation	
Name of Technology under study	
Farmers Practice	
No. of replication (Farmers)	

Results / findings

Performance indicators/ parameters	Unit/ details

2.3. Information about Home Science OFT: 21

Title of on-farm trial:	Assessment of Nutritional Security through Bio fortified varieties of rice CR- Dhan 310
Year/Season:	Kharif 2020-21
Problem diagnosis:	
Thematic area:	Nutritional Security
No of trials:	5
No. of farmers/farm women involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Local Variety JR-81, MTU-1010
T2 –Recommended Practice-	CR-Dhan 310
Source of technology:	CRRI Cuttack 2018
Characteristics of technology:	High Yielding variety rich protein 10.3%
Name of Crop/Enterprises:	Rice
Farming situation:	Rainfed
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Information about Home Science OFT: 22

Title of on-farm trial:	Assessment of Income Generation through Marigold Production
Year/Season:	Kharif 2020-21
Problem diagnosis:	limited Income through monocropping
Thematic area:	Income Generation
No of trials:	5
No. of farmers/farm women involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	-
T2 –Recommended Practice-	Pusa Bahar
Source of technology:	ICAR 2015
Characteristics of technology:	Flowering in 90-100 days after sowing
Name of Crop/Enterprises:	Marigold
Farming situation:	Rainfed
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Information about Home Science OFT: 23

Title of on-farm trial:	Assessment of Income Generation and Nutritional Security through backyard poultry
Year/Season:	Rabi 2020-21
Problem diagnosis:	Source of income is limited and poor nutritional security
Thematic area:	Income Generation and Nutritional Security
No of trials:	5
No. of farmers/farm women involved	5

Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	Narmada Nidhi
Source of technology:	NDVSU 2007
Characteristics of technology:	Dual purpose color Bird egg laying capacity 180-210 per year
Name of Crop/Enterprises:	Chicks
Farming situation:	–
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Information about Home Science OFT: 24

Title of on-farm trial:	Assessment of Drudgery Reduction in Potato Chips
Year/Season:	Rabi 2020-21
Problem diagnosis:	Low efficiency and less value addition
Thematic area:	Drudgery Reduction
No of trials:	5
No. of farmers/farm women involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Hand Slicing and dicing
T2 –Recommended Practice-	Improved Potato slicing machine
Source of technology:	-
Characteristics of technology:	Potato Chips
Name of Crop/Enterprises:	-

Farming situation:	Rainfed
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/ enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.4 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	Plant Protection	Demonstration on Spray of Emamectin benzoate 5% SG @ 200 gm/ha.	Cereal	Maize	-	Rainfed	-	2 ha.	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	Plant Protection	Demonstration on Thiamethoxam 12.6% + lambda-cyhalothrin 9.5 % @ 125 ml/ha.	Oilseed	Soybean	-	Rainfed	-	2 ha.	-	-	-	-	-	-	-	-
2020	Rabi	Plant Protection	Demonstration on flubendamide 480 SC @ 200 ml/ha.	Pulse	Gram	-	Irrigated	-	2 ha.	-	-	-	-	-	-	-	-
2020	Rabi	Plant Protection	Demonstration on imidacloprid 18.5% @ 150 ml/ha.	Oilseed	Mustard	-	Irrigated	-	2 ha.	-	-	-	-	-	-	-	-
2020	Rabi	SFM	Demonstration on Foliar nutrition through Urea & DAP in	Oilseed	Linseed	-	Rainfed	-	2 ha.	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			Linseed var JLS-66 under Rice utera Cropping System														
2020	Rabi	SFM	Demonstration on WSF in Gram under Rainfed Condition	Pulse	Gram	-	Rainfed	-	2 ha.	-	-	-	-	-	-	-	-
2020	Kharif	SFM	Demonstration on Green Manure in transplanted Rice	Cereals	Rice	-	Rainfed	-	2 ha.	-	-	-	-	-	-	-	-
2020	Kharif	Varietal Evaluation	Demonstration of yield potential of Cowpea variety Kashi Nidhi for improving	Vegetable	Cowpea	Kashi Nidhi	Irrigated	-	1 ha	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			soil health in vegetable production system														
2020	Kharif	Integrated Crop Management	Demonstration of high yielding tomato varieties Kashi Abhiman and Arka Rakshak on raised bed, plastic mulching and stacking under Cowpea-tomato-onion cropping system for marginal	Vegetable	Tomato	Kashi Abhiman & Arka Rakshak	Irrigated	-	1 ha	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			farmers														
2020	Rabi	Varietal Evaluation	Demonstration of newly released variety of Garlic Yamuna Safed-8 under Summer tomato-garlic cropping system	Spices	Garlic	Yamuna Safed-8	Irrigated	-	1 ha	-	-	-	-	-	-	-	-
2020	Rabi	Resource Conservation Technology	Demonstration mulching technique in Chilli	Spices	Chilli	KA-2	Irrigated	-	1 ha	-	-	-	-	-	-	-	-

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop / Enterprise Category	Name of Crop/Enterprise	Name of Variety/Tech nology / Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Rabi	IWM	Demonstration of Drip irrigation technology for Cabbage crops	-	Drip Irrigation	-	Irrigated	-	1 ha.								
2020-21	Rabi	IWM	Demonstration on Drip irrigation technology for Chilli	-	Drip Irrigation	-	Irrigated	-	1 ha.								

Year	Sea son	Thema tic area	Technology demonstrat ed	Crop / Enter prise Cate gory	Name of Crop/ Enter prise	Name of Variet y/Tech nology / Enter prise	Farming Situation (rainfed/i rrigated/s emi- irrigated)	Comple ted/On going	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% chan ge	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020- 21	Kha rif	Improv ed Farm Machi nery	Demonstrat ion on bed planter in Maize crop	-	Maize crop	Raised Bed Techno logy	Rainfed	-	2 ha.								
2020- 21	Kha rif	Improv ed Farm Machi nery	Demonstrat ion of Improved Drum Seeder in Paddy Crop	-	Paddy Crop	sprout ed Seeds can be direct sown to the field	Irrigated	-	2 ha.								

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	--	-	-	-	-	-	--	-

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology / Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										F P (T ₁)	R P (T ₂)		SC	ST	Others	General	Total
2020	Kharif	LPM	Demonstration of Azolla culture for feed management in cattle	Azolla	Milk yield (Lit/day/animal)	Azolla Farming	Rainfed	Ongoing		-	-	-	-	-	-	-	5
2020	Rabi	LPM	Demonstration of Backyard Poultry	Local Breed	Body weight gain/ egg production	Narmada Nidhi	Backyard Poultry	Ongoing		-	-	-	-	-	-	-	5

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Rabi	Nutrition Security	Demonstration on Nutrition Kitchen Garden	Vegetables and Fruit	-	1 ha.								

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Rabi	Value Addition	Demonstration on Value addition of Drum stick PKM-1	Drumstick PKM-1	PKM-1 and PKM-2	1 ha.								
2020-21	Kharif	Nutrition Security	Demonstration on Nutrition Kitchen Garden	Vegetables and Fruit	-	1 ha.								
2020-21	Kharif	Value Addition	Demonstration on Value addition in Quinoa	Quinoa	-	1 ha.								

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter		Nutrient Intake (Unit)								Anthropometric measurements							
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m))))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks
Paddy, Maize, Pigeonpea Linseed,Chickpea, Drumstick,Tomato, Onion ,Cauliflower & Brinjal	Field days	12	600	
	Farmers Training	22	460	
	Media coverage	6	-	
	Training for extension functionaries	4	70	

3.11 Details of FLD on crop hybrids.

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	Seoni	Tomato	Arka Samrat	IIHR, Bangalore	10	2
3	Seoni	Tomato	Arka Rakshak	IIHR, Bangalore	5	1

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Seoni	-	-	-	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Seoni	-

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Seoni	-	-	-	-

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F & FW	OFC	Crop Production	Integrated Farming	Production and management technology of Quinoa in rice fellow cropping system	1	1								
F & FW	ONC/OFC	Crop Production	Micro irrigation/irrigation	Training on Mustard Cultivation technology	2	1								
F & FW	ONC/OFC	Crop Production	Seed production	Training on Soybean Cultivation technology	2	1								
F & FW	ONC/OFC	Crop Production	Integrated Crop Management	Training on Gram & Pigeonpea Cultivation technology	4	1								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F & FW	OFC	Horticulture (Vegetable Crops)	Nursery raising	Nursery raising of Kharif vegetable	1	1								
F & FW	OFC	Horticulture (Vegetable Crops)	Exotic vegetables	Production & management technology of chilli	1	1								
F & FW	OFC	Horticulture (Vegetable Crops)	Export potential vegetables	Mulching practices in vegetable	1	1								
F & FW	OFC	Horticulture (Vegetable Crops)	Protective cultivation	Protective cultivation of cucumber	1	1								
F & FW	OFC	Horticulture (Vegetable Crops)	Others(Pl. Specify)	Integrated disease management in vegetable	1	1								
F & FW	OFC	Horticulture (Fruits)	Cultivation of Fruit	Cultivation of Papaya	1	1								
F & FW	OFC	Horticulture (Fruits)	Management of young plants/orchards	Growing of fruits, vegetables under shade net	1	1								
F & FW	OFC	Horticulture (Fruits)	Rejuvenation of old orchards	Rejuvenation of old orchard of mango, guava	1	1								
F & FW	OFC	Horticulture (Fruits)	Rejuvenation of old orchards	Production & Management technology of Marigold	1	1								
F & FW	ONC	Horticulture (Fruits)	Export potential fruits	Underutilized vegetable water chestnut	1	1								
F & FW	OFC	Soil Health and Fertility Management	Soil fertility management	Training on Use of Biofertilis	1	1								
F & FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	Training on Integrated Nutrient Management	3	1								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F & FW	OFC	Soil Health and Fertility Management	Management of Problematic soils	Training on Phosphorus Management in Vertisol	1	1								
F & FW	ONC	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Training on Field identification of micronutrient efficiency symptoms	1	1								
F & FW	OFC	Soil Health and Fertility Management	Nutrient Use Efficiency	Training on Organic Inputs	1	1								
F & FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Training on Liquid Biofertilizer	2	1								
F & FW	OFC	Soil Health and Fertility Management	Soil & water testing	Training on Soil and Water testing	2	1								
F & FW	OFC	Soil Health and Fertility Management	Organic Farming	Training on Organic Farming	2	1								
F & FW	OFC	Livestock Production and Management	Dairy Management	Training on Pashudhan Prabandhan	4	1								
F & FW	OFC	Livestock Production and Management	Poultry Management	Training on Backyard Poultry Farming	4	1								
F & FW	OFC	Livestock Production and Management	Animal Nutrition Management	Animal Feed Supplementation	2	1								
F & FW	OFC	Livestock Production and	Disease Management	FMD & AI Programme	2	1								

Category (F & FW/FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Management												
F & FW	OFC	Livestock Production and Management	Feed & fodder technologies	Round the year feed & fodder production	1	1								
F & FW	OFC	Livestock Production and Management	Others (Pl. Specify)	Animal Health Camp	2	1								
F & FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Training on Nutrition Garden	1	1								
F & FW	OFC	Home Science/Women empowerment	Processing & cooking	Training on Tomato processing	1	1								
F & FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques	Preservation of cereals, pulses and oilseeds	1	1								
F & FW	ONC/ OFF	Home Science/Women empowerment	Value addition	Training on Mushroom production	1	1								
F & FW	ONC/ OFF	Home Science/Women empowerment	Value addition	Training on Mushroom Value addition	1	1								
F & FW	OFC	Home Science/Women empowerment	Value addition	Training on value addition of Aonla	1	1								
F & FW	OFC	Home Science/Women empowerment	Value addition	Training on Value addition of guava	1	1								
F & FW	OFC	Home	Women	Self employment of Farm	1	1								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Science/Women empowerment	empowerment	women										
F & FW	OFC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Training on Drudgery reduction in Potato chips	1	1								
F & FW	OFC	Home Science/Women empowerment	Rural Crafts											
F & FW	ONC	Home Science/Women empowerment	Women and child care	Nutrition Month	1	1								
F & FW	OFC	Home Science/Women empowerment	Others (Pl. Specify)	Training on Value addition of Mahua	1	1								
F & FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Training on Repair and maintenance of modern farm machinery	1	1								
F & FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Training on importance of Deep ploughing	1	1								
F & FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Training on multi crop thresher	1	1								
F & FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Training of Zero till drill for wheat cultivation after in the Paddy field	1	1								
F & FW	OFC	Agril. Engineering	Installation and maintenance of micro irrigation systems	Training on Drip irrigation technology	1	1								
F & FW	OFC	Agril. Engineering	Installation and maintenance of micro irrigation systems	Training on Drip irrigation technology	1	1								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F & FW	OFC	Agril. Engineering	Use of Plastics in farming practices	Training of Plastic mulching for vegetables	1	1								
F & FW	OFC	Agril. Engineering	Production of small tools and implements	Training on Fabrication of small agricultural tools	1	1								
F & FW	OFC	Agril. Engineering	Production of small tools and implements	Training on Fabrication of small agricultural tools	1	1								
F & FW	ONC	Agril. Engineering	Production of small tools and implements											
F & FW	ONC	Agril. Engineering	Others (Pl. Specify)	Training of Importance o Land grading for flood Irrigation	1	1								
F & FW	ONC	Agril. Engineering	Others (Pl. Specify)	Training Rainwater Harvesting technology	1	1								
F & FW	ONC	Agril. Engineering	Others (Pl. Specify)	Training on importance of farm pond	1	1								
F & FW	ONC	Agril. Engineering	Others (Pl. Specify)	Rainwater Harvesting and Ground Water Recharging by making contour bund and trenches the farm field and alongside the roller roads and barren land	1	1								
F & FW	ONC & OFC	Plant Protection	Integrated Pest Management	Training on Management of Fall army worm in maize	4	1								
F & FW	OFC	Plant Protection	Integrated Pest Management	Training on Insect pest management in Paddy	2	1								
F & FW	OFC	Plant Protection	Integrated Disease Management	Training on Integrated Disease management in paddy	2	1								

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Nursery Management of Horticulture crops											
RY		Training and pruning of orchards											
RY		Protected cultivation of vegetable crops											
RY		Commercial fruit production											
RY	ONC	Integrated farming	Training on integrated Farming System	1	1								
RY		Seed production											
RY		Production of organic inputs											
RY		Planting material production											
RY	ONC	Vermi culture	Training on Vermicompost production technology	1	30								
RY	ONC	Mushroom Production	Training on Mushroom Production	1	3								
RY		Bee keeping											
RY		Sericulture											
RY	ONC	Repair and maintenance of farm machinery and implements	Training on Repair and maintenance of multi crop	1	1								

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
			thresher										
RY	ONC	Value addition	1	2									
RY		Small scale processing											
RY		Post Harvest Technology											
RY		Tailoring and Stitching											
RY		Rural Crafts											
RY		Production of quality animal products											
RY	ONC	Dairying	Protection and preservation of indigenous cattle	1	3								
RY	ONC	Sheep and goat rearing	Goat management	1	3								
RY		Quail farming											
RY		Piggery											
RY		Rabbit farming											
RY	ONC	Poultry production	Chicks management	1	3								
RY		Ornamental fisheries											
RY		Composite fish culture											
RY		Freshwater prawn culture											
RY		Shrimp farming											
RY		Pearl culture											
RY		Cold water fisheries											
RY		Fish harvest and processing technology											
RY		Fry and fingerling rearing											

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Others(Pl. Specify)											

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS		Productivity enhancement in field crops											
IS	ONC	Integrated Pest Management	Training on management of Fall army worm in maize	2	1								
IS	ONC	Integrated Nutrient management	Training on integrated Nutrient management in Rabi and Kharif Crops	2	1								
IS		Rejuvenation of old orchards											
IS		Protected cultivation technology											
IS		Production and use of organic inputs											
IS	ONC	Care and maintenance of farm machinery and implements	Training on Importance of happy seeder	1	1								
IS		Gender mainstreaming through SHGs											
IS		Formation and Management of SHGs											
IS	ONC	Women and Child care	Women and child care	1	1								
IS		Low cost and nutrient efficient diet											

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
		designing											
IS		Group Dynamics and farmers organization											
IS		Information networking among farmers											
IS		Capacity building for ICT application											
IS	ONC	Management in farm animals	Prevention and disease management	1	1								
IS	ONC	Livestock feed and fodder production	Round the year Fodder production production	1	1								
IS		Household food security											
IS		Others (Pl. Specify)											

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Crop production and management	Commercial floriculture													
Crop production and management	Commercial fruit production													
Crop production and management	Commercial vegetable production	Training on Vegetable Production			1	1								
Crop production and management	Integrated crop management													

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Crop production and management	Organic farming	Training on Organic Farming			2	2								
Crop production and management	Others(Pl. Specify)													
Post harvest technology and value addition	Value addition	Training on value addition of quinoa			1	1								
Post harvest technology and value addition	Others(Pl. Specify)													
Livestock and fisheries	Dairy farming													
Livestock and fisheries	Composite fish culture													
Livestock and fisheries	Sheep and goat rearing	Training on Goat Production and management			1	1								
Livestock and fisheries	Piggery				1	1								
Livestock and fisheries	Poultry farming	Training on Backyard Poultry Management												
Livestock and fisheries	Others(Pl. Specify)													
Income generation activities	Vermi-composting													
Income generation activities	Production of bio-agents, bio-pesticides,													
Income generation activities	Bio-fertilizers etc.	Training on use of Liquid biofertilizer			1	1								
Income generation activities	Repair and maintenance of	Training on Repair and Maintenance			1	2								

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
	farm machinery & implements													
Income generation activities	Rural Crafts													
Income generation activities	Seed production	Training on Seed Production technology			1	1								
Income generation activities	Sericulture													
Income generation activities	Mushroom cultivation	Training on Mushroom Production & Processing			1	3								
Income generation activities	Nursery, grafting etc.													
Income generation activities	Tailoring, stitching, embroidery, dying etc.													
Income generation activities	Agril. paraworkers, para vet training													
Income generation activities	Others(Pl. Specify)													
Agricultural Extension	Capacity building and group dynamics													
Agricultural Extension	Others(Pl. Specify)													

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Oth		SC		ST			
							M	F	M	F	M	F	M	F		
		Crop production and management	Increasing production and productivity of crops													
		Crop production and management	Commercial production of vegetables													
		Crop production and management	Production and value addition													
		Crop production and management	Fruit Plants													
		Crop production and management	Ornamental plants													
		Crop production and management	Spices crops													
		Crop production and management	Soil health and fertility management													
		Crop production and management	Production of Inputs at site													
		Crop production and management	Methods of protective cultivation													
		Crop production and management	Others(Pl. Specify)													
		Post harvest technology and value addition	Processing and value addition													
		Post harvest technology and value addition	Others(Pl. Specify)													

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Oth		SC		ST			
							M	F	M	F	M	F	M	F		
		Farm machinery	Farm machinery, tools and implements													
		Farm machinery	Others(Pl. Specify)													
		Livestock and fisheries	Livestock production and management													
		Livestock and fisheries	Animal Nutrition Management													
		Livestock and fisheries	Animal Disease Management													
		Livestock and fisheries	Fisheries Nutrition													
		Livestock and fisheries	Fisheries Management													
		Livestock and fisheries	Others(Pl. Specify)													
		Home Science	Household nutritional security													
		Home Science	Economic empowerment of women													
		Home Science	Drudgery reduction of women													
		Home Science	Others(Pl. Specify)													
		Agricultural Extension	Capacity Building and Group Dynamics													
		Agricultural Extension	Others(Pl. Specify)													

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Training title	Self employed after training			Number of persons employed else where
	Type of units	Number of units	Number of persons employed	
-	-	-	-	-

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	02	40
Design and development of low/minimum cost diet	00	00
Designing and development for high nutrient efficiency diet	00	00
Minimization of nutrient loss in processing	00	00
Processing and cooking	01	20
Gender mainstreaming through SHGs	00	00
Storage loss minimization techniques	01	20
Value addition	04	80
Women empowerment	01	20
Location specific drudgery reduction technologies	01	20
Rural Crafts	00	00
Women and child care	01	20

Area of Training	Jan-Dec-2020	
	Courses	Participants
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	01	20

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Crop Production	09	180
Horticulture	10	200
Soil Health and Fertility Management	12	240
Livestock Production and Management	15	300
Agril. Engineering	13	260
Plant Protection	08	160
Fisheries	0	0
Production of Input at site	01	20
Capacity Building and Group Dynamics	0	0
Agro forestry	0	0

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
-	-	-	-	-	-	-	-	-	-	-

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic	1												
Animal Health Camp	6												
Awareness programme	2												
Celebration of important days	8												
Diagnostic visits	6												
Exhibition	2												
Exposure visits	1												
Ex-trainees Sammelan	1												
Farm advisory Services	22												
Farmers visit to KVK	15												
Field Day	20												
Group meetings	5												
Kisan Ghosthi/Sammelan	2												
Kisan Mela	2												
Krishi Mahotsav	0												
Lectures delivered as resource persons	0												
Mahila Mandals conveners meetings	2												
Method Demonstrations	2												
Pradhanmantri phasal beema yojana	0												
Scientific visit to farmers field	55												
Self Help Group conveners meetings	5												
Soil health Camp	1												
Soil test campaigns	2												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials				
			M	F	M	F	M	F	M	F	Purpose	Topics	Crop Stages
Technology Week	1												
Radio talks	1												
Extension literature	12												
TV talks	1												
Newspaper coverage	28												
Film Show	3												
Others	0												
Total	206												

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	Nil	Nil	Nil	Nil
TV talks	8	-	-	Regional
Newspaper coverage	28	Dainik Bhaskar, Naidunia, Patrika, Samvadkunj, Krishak Chetna, Krishak Bharti	Jabalpur Seoni	Local
Internet (Youtube)	Nil	Nil	Nil	Nil
Social media (Whats App, Facebook, Instagram, Twitter etc.)	62	Whattapp Kisan Mobile Advisory	Seoni	Local

7. Literature Developed/Published (with full title, author & reference)

7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
Seoni	January to March 2020	Q1	400	400	Farmer, District/block/Panchayat Official, D.M.
Seoni	April to June 2020	Q2	400	400	Farmer, District/block/Panchayat Official, D.M.
Seoni	July to September 2020	Q3	400	400	Farmer, District/block/Panchayat Official, D.M.
Seoni	October to December 2020	Q4	400	400	Farmer, District/block/Panchayat Official, D.M.

7.2 Literature developed/published

KVK Name	Type	Number of copies (please don't give mass please fill number only)
Seoni	Abstract	2
Seoni	Book	2
Seoni	Book Chapter	Nil
Seoni	Booklet	2
Seoni	Leaflets/ Folder/ Pamphlet	6200
Seoni	Popular article	4
Seoni	Technical Bulletin	2
Seoni	Training Manual	1
Seoni	Technical Report	35
Seoni	Year Planner	1
Seoni	Others (pl. specify)	Nil

Research paper /Review paper published during Jan to Dec. 2020

Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
-	-	-	-	-

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Seoni	-	-	-

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Seoni	Cereals	Rice	JR-81	75.00	528750	65	225
Seoni	Cereals	Rice	Improved Jeera Shanker	20.00	231000	156	50
Seoni	Cereals	Wheat	JW-3382	70.00	456000	100	175
Seoni	Cereals	Wheat	JW-3288	32	208640	55	80
Seoni	Pulses	Chickpea	JG-12	15	165000	35	50
Seoni	Oilseed	Soybean	JS-2098	40	266000	89	125

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Seoni	Fruit Crops	Papaya	Pusa Nanha	2000			
Seoni	Fruit Crops	Drumstick	PKM-2	5000			
Seoni	Vegetable	Tomato	Arka Rakshak, Arka Samrat	10000			
Seoni	Vegetable	Brinjal	Harihar, Kanhaiya, Utkal	5000			
Seoni	Vegetable	Chilli	Disha, 4884	10000			

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

* Name of product should follow same pattern

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost	5000		25000	-	
	Azolla	50		10000	150	
	Earthworms	20		6000	20	
	Compost					
	Blue green algae					
	NADEP					
	Sanjeevani Khad					
	Acetobacter					
	Aspergillus					
	Azotobacter					
	Azospirillum					
	Phosphate solubilizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					
Bio-Food	Spirulina					
	Honey					
	Any Other (pl. sp.)					
Bio Pesticides	Neem extract					
	Neem powder					
	Tobacco extract					
	Trichoderma viride					
	Trichoderma harjinum					
	Trichogramma chilonis					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Beauveria bassiana					
	Metarhizium anisopliae					
	Pseudomonas fluorescens					
	SINPV					
	HaNPV					
	GF1					
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea					
	Tricho card					
	Any other (Pl. Specify)					
Bio Agents (Pyrilla parasitoids)	Ooencyrtus papilionis					
	Epiricania melanolauca					
Bio Agents(Worms)	Assinia foetida					
	Eudrilus eugeniae					
	Euclnia Uginae					
	Eisenia foetida					
	Earth worm					
	Any other (pl. specify)					
Others	Mushroom spawn					
	Mineral Mixture					
	Cow dung (dry)					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow	HF	Milk	4 Litre	1408.95	46206	11
	Calves	-	-	-	-	-	-
	Goats	-	-	-	-	-	-
	Buffaloes	-	-	-	-	-	-
	Sheep	-	-	-	-	-	-
	Breeding bull	-	-	-	-	-	-
	Other (pl specify)	-	-	-	-	-	-
Poultry	Poultry	Narmada Nidhi	Rearing	-	-	-	05
	Japanese quail	-	-	-	-	-	-
	Japanese quail eggs	-	-	-	-	-	-
	Ducks	-	-	-	-	-	-
	Turkey	-	-	-	-	-	-
	Other	-	-	-	-	-	-
Piggery	Piglets	-	-	-	-	-	-
	Boar	-	-	-	-	-	-
	Sow	-	-	-	-	-	-
	Other (pl specify)	-	-	-	-	-	-
Fisheries	Indian carp	-	-	-	-	-	-
	Exotic carp	-	-	-	-	-	-

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
	Other (pl specify)	-	-	-	-	-	-

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed		No. of Farmers benefited		No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
	Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	by KVKs	By Department	By KVK	By Department			Through Mini Soil Testing kit	Through Soil testing laboratory
					Mini Soil Testing kit	Soil testing laboratory	Mini Soil Testing kit	Soil testing laboratory				

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Seoni	-	-	-	-	-

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
-	Importance	RY	2									

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								Total
				SC		ST		Other		General		
				Male	Female	Male	Female	Male	Female	Male	Female	
	of rainwater harvesting technology											

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Seoni	02	01	-	-	-

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								Total
				SC		ST		Other		General		
				Male	Female	Male	Female	Male	Female	Male	Female	
-	Training on Importance of micro irrigation technology for vegetable crop	Progressive Farmers	1									
-	Importance of micro irrigation technology for fruit crop	Progressive Farmers	1									

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Seoni	June	2020	-	-	-	-

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Seoni	2011	2011	06	1	one vacant quarters required renovation (constructed in 2002)

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Seoni	-	-	-

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Seoni	-	-	-	-

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology	5	60	35687	1595	1595
		Integrated Farming	5				
		Field Preparation	2				
		Any Other (Specify)	4				

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
2	Weather	Advisory	4				
		Change in variety	1				
		Change in Sowing technique	2				
		Climate forecast	4				
		Any Other (Specify)					
3	Soil Management	Soil Testing	6				
		INM	2				
		Fertilizer Application	2				
		Vermicomposting/ bio-waste recycling	6				
		Bio-fertilizer	2				
		Any Other (Specify)					
4	Disease & Pest Management	Disease Management	4				
		Pest Management	3				
		Preventive Advisory Disease Management	3				
		Preventive Advisory Pest Management	3				
		Bio-pesticides	4				
		Any Other (Specify)	2				
5	Nutrition Security & Women Empowerment	Nutrition Awareness	2				
		Kitchen garden					
		Value Addition and Processing	3				
		Drudgery Reduction	1				
		Entrepreneurship & Income Generation					
		Advisory					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Any Other (Specify)					
6	Horticulture	Vegetable					
		Fruit					
		Hi Tech Horticulture	3				
		Any Other (Specify)					
7	Livestock	Feed and Fodder	2				
		Dairy Management	4				
		Fisheries					
		Poultry Management	2				
		Vaccination & Disease management					
		Any Other(Specify)					
8	Farm Mechanization		3				
9	Extension		2				
10	Organic Farming		2				
11	Marketing		5				
12	Awareness		2				
13	Other Enterprise		1				
14	Any Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Seoni	ATMA	Central		Technical support (PKVY, Farm School, Kisan Sangosthi, Kisan	Seoni, Chappara, Kurai	

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
				Mela, Technical Programme		
Seoni	MNREGA	Central		Technical support		
Seoni	NHM	Central		Technical support		
Seoni	RKVY	Central		Technical support		
Seoni	DRDA	Central		Technical support		
Seoni	Zila Panchyat	Central		Technical support		
Seoni	Seed Village	Central		Technical support		
Seoni	NAIP	Central		Technical support		
Seoni	Climate Change	Central		Technical support		
Seoni	Others (Plz. Specify)	Central		Technical support		

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Seoni	10,00000	OFT	24	150000	
		FLD (other than CFLD)	21	150000	
		Training	75	100000	
		Extension Activities	206	50000	
		SAC Meeting	01	15000	
		Special Programme (Pl. Specify)	05	20000	
		Others (Pl. Specify)	02	20000	

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Seoni	32250210000243	543822	-	Seedlings & Sapling, Sale of Biofertilizer, Rent from Farmer Hostel, Training Hall and Seed

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/National)	Awarding Organizations	Amount received
Seoni	-	-	-	-	-

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
4000	Cereals	Rice	JR-81,JRH-105,JRH-120,JR-201,JR-206,JR-303,JRH-106,JRB-1,CR Dhan-201	JR-206
4000	Oilseed	Soybean	JS 2069, JS 2098, JS 2034, JS 2029, JS 2094, RVS-2001-4,JS 20116, JS 2096	JS 2098
4000	Pulse	Greengram	PDM-139,Virat,Sikha,TM-37	Virat
4000	Vegetables	Tomato	Arka Raksak,Arka Samrat,Kashi Abhiman,Abhishek,Abhilash,	Arka Samrat

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1	Seoni	Mr Mahesh Sanodiya	High-tech Horticulture	Village- Marjhor,Phulara, District Seoni	7987346836
2	Seoni	Bhupat Singh Sanodiya	Production,Value addition & marketing of minor millets	Village Semariya Post Seoni, District Seoni	6266930913
3	Seoni	Shri Prahlad Thakur	High-tech Horticulture	Village Dheka, Post Block Barghat, District Seoni	9752966720
4	Seoni	Shri. Raghuveer Singh Sanodiya	Organic vegetable Production ,Off season vegetable production, Dairy farming,	Village- Marjhor,Phulara, District Seoni	09424717300
5	Seoni	Shri Shiv Ram Sanodiya	Hi-Tech Vegetable production	VillageSemariya,Hathnapur,Seoni	9424316957
6	Seoni	Smt. Suvarna Tijare	Farming ,Horticulture , Dairy	Village- Borikhurd, Post- Gokalpur via Ari,	7747027480

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
				Barghat, Seoni	
7	Seoni	Shri B.L.Singh	Crop diversification baby corn, Pigeonpea as a intercrop in ginger/ papaya cultivation	Village Narela, Post Seoni, Distt. Seoni	09713082128
8	Seoni	Shri Rakesh Bais	Vermi compost Unit	Village Gourakhpur, Block Chhapara, Distt. Seoni	9425897668
9	Seoni	Shri Pradeep Rahangdale	Integrated farming System	Village – Lohara,Block- Barghat Distt. Seoni.	7999470208
10	Seoni	Shri Rajesh Thakur	Dairy based Integrated farming system	Village – Takhlakala, Post – Ari. Distt. Seoni.	9981326729

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Seoni	One in Kharif	25
Seoni	One in Rabi	30

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Seoni	08	1595	02	06	6	30

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation *
Seoni	Quinoa	-	-	-	-	-	-

26. KVK Ring

S. No.	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
1	Mandla	Sharing of technical information	-	1	Mandla
2	Balaghat	Sharing of technical information	-	2	Balaghat

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Seoni	-	-	-	--	-	-

28. Status of KVK Website during Jan to Dec. 2020

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
1	Seoni	16.12.2015	http://jnkvv.org/JNKVV_EXTENSION/EXTENSION_KVK_Index.aspx?CC=2003	2	-

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Seoni	--	-	--	--

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
Seoni	-	-	-	-

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
Seoni	-	-	-	-

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Seoni	-	-	-	-

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
-	-	-

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
-	-	-	-	-

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
-	-	-	-	-	-

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
-	-	-

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
-	-	-	-	-

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Seoni	Gosthies	6		
Seoni	Lectures organized	4		
Seoni	Exhibition	3		
Seoni	Film show	4		
Seoni	Fair	2		
Seoni	Farm/ Field Visit	16		

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Seoni	Diagnostic Practical's	26		
Seoni	Distribution of Literature (No.)	12		
Seoni	Distribution of Seed (q)	-		
Seoni	Distribution of Planting materials (No.)	-		
Seoni	Bio Product distribution (Kg)	-		
Seoni	Distribution of Bio Fertilizers (q)	-		
Seoni	Distribution of fingerlings	-		
Seoni	Distribution of Livestock specimen (No.)	-		
Seoni	Total number of farmers visited the technology week	-		
Seoni	Animal health camp	02		
Seoni	Awareness programme	02		
Seoni	Demonstration	10		
Seoni	Exposure visit	3		
Seoni	Ex-trainees Meet	3		
Seoni	Farmer scientist interaction	1		
Seoni	Farmers Training	5		
Seoni	Gajarghans Unmulan Pakhwada	1		
Seoni	Group Meeting	2		
Seoni	Jai Kisan Jai Vigyan Sangoshthi	1		
Seoni	Plant Protection Week	1		
Seoni	Seed treatment campaign	2		
Seoni	Self Help Group convener meet	2		
Seoni	Soil health Camp	1		
Seoni	Swachha Bharat Abhiyan	12		
Seoni	Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Seoni	Pigeonpea	TJT-501	30	75
Seoni	Rapeseed Mustard	RVM-1	10	25
Seoni	Linseed	JLS-66	30	75

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants
Seoni	Dairy Management	1	25
Seoni	Disease management	2	25
Seoni	Feed and fodder technology	1	25
Seoni	Poultry management	1	25

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Seoni	06	-	-

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Seoni	-	-	-	-

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Seoni	-	-	-	-
Saplings				
Seoni	-	-	-	-

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers
Seoni	Beveria basiana	500	500	500
Seoni	Metirizium anosphelie	200	200	200

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Seoni	PSB,	1000	400	500
Seoni	Rhizobium	1000	400	500
Seoni	Azotobactor	1000	400	500
Seoni	Trichoderma virde	1000	400	500
Seoni	KSB	500	200	200

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers
Seoni	Earthwarm	20 Kg.	-	-

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Seoni	-	-	-	-	-

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Seoni	2	-	2	-	20	-	2	-	4	-	1	-

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village
Seoni	Seoni	Gopalganj

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Seoni	-	-	-	-	-

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Seoni	-	-	-	-

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Seoni	-	-	-	-

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	Seoni
TITLE	-
Introduction	-
KVK intervention	-
Output	-
Outcome	-
Impact	-

(b) Summary of Case study / Success Story developed by KVK

Sr. No.	Name of KVK	No. of success stories	No. of case studies
1	Seoni	2	2

18. KVK, Shahdol

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	19	120			
FLDs – Oilseeds (activity in ha)	2	5			
FLDs – Pulses (activity in ha)	4	10			
FLDs – Cotton (activity in ha)					
FLDs – Other than Oilseed and pulse crops(activity in ha)	2	5			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	8	54			
Training-Farmers and farm women	84				
Training-Rural youths	7				
Training- Extension functionaries	8				
Extension Activities	321				
Seed Production (Number of activity as seeds in quintal)					
Planting material ((Number of activity as quantity of planting material in quintal)					
Seedling Production (Number of activity as number of seedlings in numbers)					
Sapling Production (Number of activity as number of sapling in numbers)					
Other Bio- products (No. of quantity)					
Live stock products					
Activities of Soil and Water Testing Laboratory					
Rainwater Harvesting System					
Kisan Mobile Advisory (KVK-KMA)	108				
SAC Meeting (Date & no. of core/ official members)	2				
Literature to be Developed/Published	12				
Convergence programmes / Sponsored programmes	6				

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel					
Utilization of Staff Quarters					
Details of KVK Agro-technological Park					
Crop Cafeteria-					
Farm Innovators- list of 10 farm innovators from the District					
Status of Revolving Funds					
Awards and Recognitions					
Case study / Success Story to be developed					
KVK Progressive Farmers interaction	2				
Outreach of KVK in the District (No. of blocks, no. of villages)					
Technology Demonstration under Tribal Sub Plan					
KVK Ring					
Important visitors to KVK					
Status of KVK Website					
Status of RTI					
E-connectivity					
Details of Technology Week Celebrations					
Interventions on Drought Mitigation					
Sansad Adarsh Gram					
Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Shahdol	16	1	1	6	3	3	3	6	4	16	11

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Dr. Mrigendra Singh	Multidisciplinary	PhD	Vegetable & Flower Crop	37400-69000 + GP 9000	57110	01-02-2007	General
SMS/ Scientist 1	Shri P.N. Tripathi	Soil Science	M.Sc. Ag., NET	Soil Science	15600-39100 + GP 6000	30850	08-06-2007	General
SMS/ Scientist 2	Smt. Alpana Sharma	Home Science	Ph.D NET	Food Science & Technology	15600-39100 + GP 7000	32040	13-07-2007	General
SMS/ Scientist 3	Sh. Deepak Chouhan	Agricultural Engineering	M.Tech, NET	Soil and Water Engineering	15600-39100 + GP 6000	21600	10-10-2017	ST
SMS/ Scientist 4	Vacant							
SMS/ Scientist 5	Vacant							
SMS/ Scientist 6	Vacant							
Programme Assistant	Shri Bhagwat Prasad Pandre	Agroforestry	M.Sc.	Agroforestry	9300-34800 Level 10	42700	28-01-2019	ST
Farm Manager	Shri D.K. Shrivastava*	Ag. Ext.	B.Sc. Ag.	Ag. Ext.	6500-10500		05-10-1959	General
Computer Programmer	Shri Rishiraj Negi	Computer	BCA/Doeacc A Level	Web -based Application, Office Utilities	9300-34800 Level10	59110	04-04-2008	General
Accountant superintendent /	Smt. Asha Shrivatava	Asstt. Grade II	B.A.		9300-34800 Level8	48100	12-08-1996	General
Stenographer	Vacant							
Driver	Shri Badri Prasad Yadav	Driver **	VII Pass		5200-20200 Level 4	27800	02-02-1999	OBC

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Driver	Shri Biran Prasad Pradhan	Driver	Matriculate		5200-20200 Level 4	19500	12-07-2018	ST
Supporting staff, if any	Shri Parmesh	Peon	Intermediate		5200-20200 Level 3	33400	04-09-1995	SC
Supporting staff, if any								

* Not attending office since 20 April 2012, **Attached to DES, JNKVV, Jabalpur office

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Shahdol	Agro climatic Zone-III, Northern hills zone of Chhattisgarh	5	393	1064989	57.59%	SC=67203, ST=391412	158913 Report of Ag. Deptt. Shahdol Oct 2013	Less than 1 ha

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Kunarseja, Devgarh, Bicchiya, Chandela and Tikhwa	2017-18	Sohagpur, Burhar, Gohparu, Jaisinghnagar, Beohari	22, 46, 48, 48, 96	990, 1235, 1624, 1664, 2482	231, 326, 396, 435, 497
Arzula	2018-19	Sohagpur	45		
Pathra, Khatauli, Kharla, Jugwari,	2019-20,	Sohagpur, Burhar, Gohparu,	24,17,48,21,20,		

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Kelmaniya, Jamuniha , Khamdand, Khamha, Ledra	2020-21	Beohari	65,118,35,38		

1.4. THRUST AREAS identified by KVK

KVK Name	Thrust area
Shahdol	Promotion of rural entrepreneurship for additional income generation and employment generation
Shahdol	Drudgery reduction through efficient implements
Shahdol	Crop improvement and diversification
Shahdol	Seed replacement
Shahdol	Integrated pest management
Shahdol	Integrated plant nutrient management
Shahdol	Soil and water conservation
Shahdol	Farm Mechanization
Shahdol	Agricultural Engineering
Shahdol	Annual house hold food security
Shahdol	Livestock Production & Management.

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Shahdol	Low yield of Rice, Soybean, Black Gram, Pigeon pea ,Wheat, Mustard and gram, Low milk production, seasonal disease outbreak,	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Pathra, Khatauli, Kharla, Jugwari, Kelmaniya, Jamuniha , Khamdand, Khamha, Ledra, Kunarseja, Bicchiya,

2. On Farm Testing (OFT)

2.1 Information about OFT:

Title of on-farm trial:	Assessment of growth & activity of Earthworm under different combination of bio waste – wheat Straw
Year/Season:	2019-20/Rabi
Farming situation:	Irrigated All season
Problem diagnosis:	Due to use un-decomposed organic matter creates problem of nutrient loss ,weed, insect disease incidence increase
Thematic area:	Bio waste management
No of trials:	05
No. of farmers involved	15
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Traditional Method of Bio-recycling of Agricultural waste
T2 –Recommended Practice-	Vermicomposting by Eisia Fetida @1Kg/100Kg waste materials at 50-55% moisture and temp- 30-40° C
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV Jabalpur
Characteristics of technology:	Vermi composting by Eisia Fetida @1Kg/100Kg waste materials at 50-55% moisture and temp- 30-40° C
Name of Crop/Enterprises:	Enterprise- Vermicomposting
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Amount of waste material recycled, Production of vermicompost, Organic carbon , Nutrient content N, P, K , % Worms	q/unit/year, q/unit/year, %				
T2(Recommended Practice)	Amount of waste material recycled, Production of vermicompost, Organic carbon , Nutrient content N, P, K (%) Worms-	q/unit/year, q/unit/year, %				
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of Mycopesticide (<i>Beauveria bassiana</i>) and botanical repellent (Neem oil) for management of Pod borer in chick pea
Year/Season:	2019-20/Rabi
Farming situation:	Semi-Irrigated
Problem diagnosis:	Heavy yield loss (up to 50%) in Chickpea due to severe infestation (50-75%) of pod borer
Thematic area:	Integrated Pest Management
No of trials:	05
No. of farmers involved	30

Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Spray of Trizophos-40EC@ 1 ml/ lit. after severe infestation of pod borer
T2 –Recommended Practice-	Bird perches @ 50/ ha + Two spray of <i>Beauveria bassiana</i> @1000ml/ha + Neem oil @ 0.5% at 45 and 75 DAS
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, Jabalpur, 2015
Characteristics of technology:	Bird perches @ 50/ ha + Two spray of <i>Beauveria bassiana</i> @1000ml/ha + Neem oil @ 0.5% at 45 and 75 DAS
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield , Percent insect infestation	q/ha, %				
T2 (Recommended Practice)	Yield, Percent insect infestation	q/ha, %				
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of Zero tillage in wheat sowing
Year/Season:	2019-20/Rabi
Farming situation:	Semi-Irrigated
Problem diagnosis:	Use of 2- 3 times Tractor drawn cultivator in field preparation thus it take more time, diesel consumption and cost involved.
Thematic area:	Resource Conservation
No of trials:	05
No. of farmers involved	15
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Conventional Tillage
T2 –Recommended Practice-	No Tillage
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	PAU Ludhiana, 2008
Characteristics of technology:	Zero seed cum fertilizer drill
Name of Crop/Enterprises:	Zero seed cum fertilizer drill
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Labour Requirement, Field capacity,	(man-hr /ha), (ha/hr), (Rs./ha or Rs./hr)				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	Operational Cost, Energy Requirement, Yield	(MJ/ha), (q/ha)				
T2(Recommended Practice)	Labour Requirement, Field capacity, Operational Cost, Energy Requirement, Yield	(man-hr /ha), (ha/hr), (Rs./ha or Rs./hr) (MJ/ha), (q/ha)				
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of manually operated single row vegetable transplanter for vegetable seedling in Hi-Tech horticulture
Year/Season:	2019-20/Rabi
Farming situation:	Irrigated
Problem diagnosis:	More labour required for transplanting of vegetable seed ling, In case of mulch its very tedious, more time requirement for transplanting
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	15
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Manually transplanting
T2 –Recommended Practice-	Hybrids / Single row Manually vegetable transplanter

T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	CIAE Bhopal, 2017
Characteristics of technology:	Single row Manually vegetable transplanter
Name of Crop/Enterprises:	Hybrids / Single row Manually vegetable transplanter
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Labour Requirement, Field capacity, Field Efficiency, Operational Cost, % of mortality , Yield	(man-hr /ha), (ha/hr), (%), (Rs./ha or Rs./hr), (%), (q/ha)				
T2(Recommended Practice)	Labour Requirement, Field capacity, Field Efficiency, Operational Cost, % of	(man-hr /ha), (ha/hr), (%), (Rs./ha or Rs./hr) (MJ/ha), (q/ha)				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	mortality, Yield					
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of production and feeding of hydroponics fodder of maize for dairy animals *
Year/Season:	2019-20/Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low milk production due to unavailability of green fodder in summer due to scarcity of water
Thematic area:	Feeding management
No of trials:	10
No. of farmers involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of green fodder
T2 –Recommended Practice-	Hydroponics green fodder @25 kg per animal per day
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	
Characteristics of technology:	Hydroponics green fodder @25 kg per animal per day
Name of Crop/Enterprises:	Hydroponics maize as green fodder
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield of fodder , milk production per day	(q), (litre/day)				
T2(Recommended Practice)	Yield of fodder , milk production per day	(man-hr /ha), (ha/hr), (%), (Rs./ha or Rs./hr) (MJ/ha), (q/ha)				
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of Azolla feeding as green fodder on milk production in dairy Cow
Year/Season:	2019-20/Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low milk production from cow due to unavailability of green fodder
Thematic area:	Feeding management
No of trials:	10
No. of farmers involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Feeding of cow with wheat and Paddy straw without supplementation of green fodder
T2 –Recommended Practice-	T ₁ + Azolla @ 1.5 Kg /animal/day
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	

Characteristics of technology:	Feeding of cow with wheat and Paddy straw + Azolla @ 1.5 Kg /animal/day
Name of Crop/Enterprises:	Use of Azolla as green fodder
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk Yield	Litre/day				
T2(Recommended Practice)	Milk Yield	Litre/day				
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of bio decomposer on decomposition of crop residues
Year/Season:	2020-21
Farming situation:	Rainfed
Problem diagnosis:	No use of bio decomposer and create pollution through burn of crop residue.
Thematic area:	Resource conservation
No of trials:	05
No. of farmers involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers Practices (Decomposition of crop residue in open hip)
T2 –Recommended Practice-	Decomposition of crop residue through bacterial base decomposer @ 500ml for one ton raw material

T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, Jabalpur 2016-17
Characteristics of technology:	Mix 500 ml Bio decomposer (<i>Bacterial base</i>) and 500 ml Bio decomposer (<i>Fungal base</i>) for 1 tons of raw material along with sufficient moisture. After 8-10 days turn the organic raw material of the heap and again spray this solution on the heap and mix it thoroughly then after don't disturb of hip up to 45 to 60 days.
Name of Crop/Enterprises:	Enterprise – Biowaste management
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Number of days are required for decomposition, Organic carbon , Nutrient content N, P, K	Days, %, %				
T2(Recommended Practice)	Number of days are required for decomposition, Organic carbon , Nutrient content N, P, K	Days, %, %				
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of economic returns from soil test based nutrient application (As per SHC on Grid based) in transplanted Rice- Wheat cropping system
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield of rice due to poor nutrient management in Rice- Wheat cropping system
Thematic area:	Crop Management
No of trials:	05
No. of farmers involved	15
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	NPK 60:40:0 kg/ha
T2 –Recommended Practice-	Soil health card based nutrient application
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV & IISS 2006
Characteristics of technology:	Nutrient management as per recommendation of Soil Health card
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of tiller / m ² , No. of Ear/ m ²	No. of tiller / m ² , No. of Ear/ m ²				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	area , grain yield (q/ha) , net return (Rs./ha), BC ratio, Nutrient saving in terms of money.	area , grain yield (q/ha) , net return (Rs./ha), BC ratio, Nutrient saving in terms of money.				
T2(Recommended Practice)	No. of tiller / m ² , No. of Ear/ m ² area , grain yield (q/ha) , net return (Rs./ha), BC ratio, Nutrient saving in terms of money.	No. of tiller / m ² , No. of Ear/ m ² area , grain yield (q/ha) , net return (Rs./ha), BC ratio, Nutrient saving in terms of money.				
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of integrated nutrient management in transplanted paddy under Rice- Chickpea cropping system
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield of paddy due to low organic content in soil
Thematic area:	Crop Management
No of trials:	05
No. of farmers involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	NPK 60:40:0 Kg / ha
T2 –Recommended Practice-	Green manuring + 25 % NPK through vermicompost, BGA + 50 % NPK through chemical fertilizer (STV)
T3- Recommended Practice-	Green manuring through sunhemp + 75% NPK through chemical fertilizers (STV) (100:60:40:20) kg
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV & IISS 2006
Characteristics of technology:	Sunhemp sown on the onset of monsoon and mix in the soil with the help of power tiller within the month
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No. of tiller / m ² , grain yield (q/ha) , net return (Rs./ha), BC ratio, soil test before and after the trial.	No. of tiller / m ² , grain yield (q/ha) , net return (Rs./ha), BC ratio, soil test before and after the trial.				
T2(Recommended Practice)	No. of tiller / m ² , grain yield (q/ha) , net return (Rs./ha), BC ratio, soil test before and after the trial.	No. of tiller / m ² , grain yield (q/ha) , net return (Rs./ha), BC ratio, soil test before and after the trial.				
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of Maize sowing by Broad/ Raised bed planter
Year/Season:	2020-21
Farming situation:	Semi-irrigated
Problem diagnosis:	Low yield of Maize due to poor plant population, moisture stress and / or water stagnation during heavy down pour
Thematic area:	Resource Conservation
No of trials:	05
No. of farmers involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Hand dibbling

T2 –Recommended Practice-	Broad-bed and furrow
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	CIAE Bhopal, 2010
Characteristics of technology:	Sowing of maize by Broad-bed planter is labour and time saving , water conservation in furrow or protect crop in water logging condition
Name of Crop/Enterprises:	Broad bed planter
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Labour Requirement, Field capacity, Operational Cost, Yield, B:C Ratio	Man-hr/ha, ha/hr, Rs./ha or Rs./hr, Q/ha				
T2(Recommended Practice)	Labour Requirement, Field capacity, Operational Cost, Yield, B:C Ratio	Man-hr/ha, ha/hr, Rs./ha or Rs./hr, Q/ha				
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of direct sowing of paddy by seed drill for time sowing in upland rice subsequently time sowing of wheat
Year/Season:	2020-21
Farming situation:	Semi- irrigated
Problem diagnosis:	More time loss for field preparation and water loss in puddling
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Manually Transplanting
T2 –Recommended Practice-	Direct sowing of paddy by seed drill for dry condition
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	CRRI Cuttack, 2012
Characteristics of technology:	Direct sowing of paddy by seed drill for dry condition
Name of Crop/Enterprises:	Seed drill
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Labour Requirement, Field	Man-hr/ha, ha/hr, Rs./ha				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	capacity, Operational Cost, Energy Requirement, Yield, B:C Ratio	or Rs./hr, MJ/ha, Q/ha				
T2(Recommended Practice)	Labour Requirement, Field capacity, Operational Cost, Energy Requirement, Yield, B:C Ratio	Man-hr/ha, ha/hr, Rs./ha or Rs./hr, MJ/ha, Q/ha				
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of Silvi Pasture System for Year round fodder – Maize + Chari production
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Non availability of green fodder round the year.
Thematic area:	Agro Forestry
No of trials:	05
No. of farmers involved	15
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	-
T2 –Recommended Practice-	Silvi Pasture System for Year round fodder – Maize + Chari production
T3- Recommended Practice-	

Date of sowing:	
Date of harvesting:	
Source of technology:	IGFRE (2005)
Characteristics of technology:	Silvi Pasture System for Year round fodder – Maize + Chari production
Name of Crop/Enterprises:	Maize (Fodder)
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-				
T2(Recommended Practice)	Plant height No. of leaves/ Plant, fodder production q/ha, BC Ratio	cm., Number, Qnt./ha.				
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of Silvi Pasture System for production of Napier grass fodder all round the year
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Non availability of green fodder round the year.
Thematic area:	Agro Forestry
No of trials:	05
No. of farmers involved	15

Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	-
T2 –Recommended Practice-	Napier grass Production for Fodder
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	IGFRE Jhansi,2005
Characteristics of technology:	Napier Grass along for Fodder
Name of Crop/Enterprises:	Napier Grass
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-				
T2(Recommended Practice)	Plant height No. of leaves/ Plant, fodder production q/ha, BC Ratio	cm., Number, Qnt./ha..				
T3(Recommended Practice)						

Title of on-farm trial:	Comparative evaluation of performance of Turmeric based on Agrihorticulture System by Growing Turmeric under the shade of Fruit tree.
Year/Season:	2020-21

Farming situation:	Irrigated
Problem diagnosis:	Farmers does not grow any crop under the shade of tree row at any stage of plants growth.
Thematic area:	Intercropping management and Practice.
No of trials:	05
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	-
T2 –Recommended Practice-	Agri horticulture system
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV Jabalpur
Characteristics of technology:	Intercropping sown in the kharif season and mixed with Turmeric between the row within the months.
Name of Crop/Enterprises:	Turmeric
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	-	-				
T2(Recommended Practice)	Weight Tuber growth Yield	Gm. Q/ha.				
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of Agro -Forestry Model based on soil & climate Shahdol.
Year/Season:	2020-21
Farming situation:	Irrigated
Problem diagnosis:	Non Availability of suitable Agro Forestry Model based on soil & climate
Thematic area:	Agro Forestry
No of trials:	05
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No Plantation of trees on bund & fallow lands
T2 –Recommended Practice-	<i>Moringa Oliefera + Rabi Crops</i>
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, 2011
Characteristics of technology:	<i>Moringa Oliefera + Rabi Crops</i>
Name of Crop/Enterprises:	<i>Moringa Oliefera + Rabi Crops</i>
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield (q)					
T2(Recommended Practice)	Yield (q)					
T3(Recommended Practice)						

2.2. Information about Extension OFT:

Title	
Season & Year	
Problem identified	
Thematic Area	
Farming situation	
Name of Technology under study	
Farmers Practice	
No. of replication (Farmers)	

Results / findings

Performance indicators/ parameters	Unit/ details

2.3. Information about Home Science OFT:

Title of on-farm trial:	Assessment of income enhancement through Mushroom production
Year/Season:	2019-20/Rabi
Problem diagnosis:	Low income of FW
Thematic area:	Income generation
No of trials:	05
No. of farmers/farm women involved	25
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	No mushroom production
T2 –Recommended Practice-	Oyster Mushroom Production
Source of technology:	JNKVV 2004
Characteristics of technology:	
Name of Crop/Enterprises:	Enterprise – Mushroom production
Farming situation:	Irrigated

Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : - Mushroom Production

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)	Yield					
T ₂ (Recommended Practices)	Yield					
T ₃ (Recommended Practices)						

Title of on-farm trial:	Assessment of nutritional enhancement of preschool children through incorporation of paushtik chapatti (fortification of Kodo flour, chickpea flour , drumstick leaf and curry leaf powder to wheat flour) in their diet
Year/Season:	2019-20/Rabi
Problem diagnosis:	Nutritional insecurity in children
Thematic area:	Nutritional Security
No of trials:	20
No. of farmers/farm women involved	30
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Value added chapatti flour
T2 –Recommended Practice-	Value added chapatti flour
Source of technology:	
Characteristics of technology:	
Name of Crop/Enterprises:	Value added chapatti flour

Farming situation:	-
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: - Value added chapatti flour

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)	Chapatti								
T ₂ (Recommended Practices)	Chapatti								
T ₃ (Recommended Practices)									

Title of on-farm trial:	Assessment of Mahua seed decorticator for Drudgery Reduction of Farm women
Year/Season:	2020-21/Kharif
Problem diagnosis:	Decortications of mahua seed by traditional shelling method is time consuming , laborious, low keeping quality due to damage of mahua seed and causing high drudgery of FW
Thematic area:	Drudgery Reduction
No of trials:	05
No. of farmers/farm women involved	15
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Traditional Shelling
T2 –Recommended Practice-	Mahua Decortications by mahua decorticator

Source of technology:	OUAT (2011)
Characteristics of technology:	Shelling Mahua by mahua seed decorticator is less time consuming and it maintains the high keeping value of mahua seed by minimizing damage
Name of Crop/Enterprises:	Mahua seed decorticator
Farming situation:	-
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

***Kindly use Unit as per the machine/implement/equipment used for drudgery reduction**

Title of on-farm trial:	Assessment of Drudgery Reduction of Farm women during okra plucking through okra plucker
Year/Season:	2020-21/Kharif
Problem diagnosis:	High drudgery during manually plucking of okra
Thematic area:	Drudgery Reduction
No of trials:	10
No. of farmers/farm women involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	

T1 – Farmers Practice-	Hand Plucking
T2 –Recommended Practice-	Okra Plucking by okra plucker
Source of technology:	CIAE Bhopal, 2012
Characteristics of technology:	Okra Plucking by okra plucker
Name of Crop/Enterprises:	Okra Plucker
Farming situation:	-
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2019-20	Rabi	Integrated Nutrition	Demonstration on Boron micronutrient to improve quality of	Crop	Tomato	Abhilash	Irrigated		2								5

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
		Management	tomato based on STV														
2020-21	Kharif	INM	Demonstration on Zinc micronutrient based on STV on yield of Soybean	Crop	Soybean	RVS2001-04	Rainfed		2								5
2020-21	Kharif	INM	Demonstration on Sulphur on yield of Black Gram based on STV	Crop	Black Gram	Azad Urad-1	Rainfed		2								5

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration on STCR based targeted yield 40 q/ha in Wheat	Wheat	Yield No. of pods/plant										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration on Boron micronutrient to improve quality of tomato based on STV	Tomato	Yield No. of fruits /cluster										
Demonstration on Zinc micronutrient based on STV on yield of Soybean	Soybean	Yield , No. of Pod per plant, No. of Noduls / Plant										
Demonstration on Sulphur on yield of Black Gram based on STV	Black Gram	Yield , No. of Pod per plant, No. of Plant / m ²										

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2019-20	Rabi	AEG	Demonstration on self propelled vertical conveyor reaper for harvesting of wheat crop	Enterprise	self propelled vertical conveyor reaper	self propelled vertical conveyor reaper	irrigated		2								5
2019-20	Rabi	AEG	Demonstration of ridge furrow seed cum fertilizer drill for sowing chickpea	Enterprise	Ridge furrow seed cum fertilizer drill	Ridge furrow seed cum fertilizer drill	semi-irrigated		2								5
2020-21	Kharif	AEG	Demonstration of 8 row Paddy Drum seeder	Enterprise	8 row Paddy Drum seeder	8 row Paddy Drum seeder	Rainfed		2								5

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Kharif	AEG	Demonstration of Cono Weeder in paddy	Enterprise	Cono Weeder	Cono Weeder	Rainfed		2								5

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration on self propelled vertical conveyor reaper for harvesting of wheat crop	self propelled vertical conveyor reaper	Yield- q/ha										
Demonstration of ridge furrow seed cum fertilizer drill for sowing chickpea	Ridge furrow seed cum fertilizer drill	Yield- q/ha										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of 8 row Paddy Drum seeder	8 row Paddy Drum seeder	Yield- q/ha										
Demonstration of Cono Weeder in paddy	Cono Weeder	Yield- q/ha										

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrepreneur - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Tech nology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.9 Information about Home Science FLDs - (For All Thematic Area)

year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2019-20	Rabi	Income generation	Raised bed nursery raising	Nursery Raising	Raised bed nursery raising	05								05
2019-20	Rabi	Income generation	Use of Bio waste for making of Vermi compost	Vermi Compost	Use of Bio waste for making of Vermi compost	05								05
2020-21	Kharif	Nutritional security	Nutritional insecurity in farm family	Nutritional Kitchen Garden	Seasonal vegetables and fruits	Vegetables 250 sq m								12
2020-21	Kharif	Nutritional security	Nutritional security through Quinoa production	Quinoa	Quinoa production	10								10

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Use of Bio waste for making of Vermi compost										
Nutritional insecurity in farm family										

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m))))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Demonstration on nutritional security of farm family through	Potato, Onion, Tomato , Egg	Spinach, Fenugreek, peas , tomato,																

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Nutritional Kitchen Garden	plant	Bottle gourd , Coriander, Okra, Egg plant, Beet root, Pumpkin, Radish, Cabbage, Chilli, Potato																
Demonstration of Quinoa production	Nil	Quinoa production																

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Shahdol	Soybean	Field days	01		
Shahdol	Soybean	Farmers Training	02		
Shahdol	Soybean	Media coverage	01		
Shahdol	Soybean	Training for extension functionaries	01		
Shahdol	Blackgram	Field days	01		
Shahdol	Blackgram	Farmers Training	02		
Shahdol	Blackgram	Media coverage	01		
Shahdol	Blackgram	Training for extension functionaries	01		

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Shahdol	Wheat	Field days	01		
Shahdol	Wheat	Farmers Training	02		
Shahdol	Wheat	Media coverage	01		
Shahdol	Wheat	Training for extension functionaries	01		

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F& FW	OFC	Crop Production	Integrated Crop Management	Integrated crop management in Quinoa	01	01								
F& FW	OFC	Crop Production	Integrated Crop Management	Quinoa Production Technology	01	01								
F& FW	OFC	Crop Production	Integrated Crop Management	Importance of improved varieties of paddy for doubling income	01	01								
F& FW	OFC	Crop Production	Integrated Crop Management	Integrated crop management in mustard for productivity enhancement	01	01								
F& FW	OFC	Crop Production	Integrated Crop Management	Seed distribution and Integrated crop management in mustard and field day on paddy Quinova	01	01								
F& FW	OFC	Crop Production	Integrated Crop Management	Seed distribution and Integrated crop management in mustard,	01	01								
F& FW	OFC	Crop Production	Integrated Crop Management	Seed distribution of lentil and training on seed treatment through FIR	01	01								
F& FW	OFC	Crop Production	Integrated Crop Management	Seed distribution and Integrated crop management in Gram	01	01								
F& FW	ONC	Crop Production	Integrated Crop Management	Quinoa Production Technology	01	01								

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F& FW	ONC	Crop Production	Integrated Crop Management	Importance of improved varieties of Blackgram and Pigeonpea and seed treatment	01	01								
F& FW	ONC	Crop Production	Integrated Crop Management	Importance of seed treatment in soybean and sesame	01	01								
F& FW	ONC	Crop Production	Integrated Crop Management	Seed treatment of kharif pulses through FIR method.	01	01								
F& FW	ONC	Crop Production	Integrated Crop Management	Use of seed treatment drum for seed treatment in kharif crop	01	01								
F& FW	ONC	Crop Production	Integrated Crop Management	Integrated crop management in Soybean	01	01								
F& FW	ONC	Crop Production	Integrated Crop Management	Importance of seed treatment in gram and lentil with molybdenum	01	01								
F& FW	ONC	Crop Production	Integrated Crop Management	Importance of Seed treatment in Lentil through FIR	01	01								
F& FW	ONC	Crop Production	Integrated Crop Management	Production technology (ICM) in Quinoa	01	01								
F& FW	ONC	Horticulture (Vegetable Crops)	Others(Pl. Specify)	Irrigation water Management of in vegetable crops.	01	01								
F&FW	OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated Nutrient management in ginger and turmeric. Village – Pathra	01	01								
F& FW	OFC	Soil Health and Fertility	Integrated Nutrient Management	INM in Blackgram and pigeonpea based on STV	01	01								

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Management												
F& FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	INM in tomato	01	01								
F& FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	INM in summer green gram based on STV	01	01								
F& FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	Importance of integrated nutrient management in paddy based STV.	01	01								
F& FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated nutrient management in linseed based soil test value	01	01								
F& FW	OFC	Soil Health and Fertility Management	Production and use of organic inputs	Role of Biofertilisers for disease control in soybean & sesame	01	01								
F& FW	ONC	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Deficiency symptom of Zinc micronutrient and their control measures	01	01								
F & FW	OFC	Soil Health and Fertility Management	Nutrient Use Efficiency	Use of NPK (19:19:19) water soluble in irrigated wheat and tomato	01	01								
F & FW	ONC	Soil Health and Fertility Management	Nutrient Use Efficiency	Micronutrient management in tomato for better productivity enhancement	01	01								
F & FW	ONC	Soil Health and Fertility Management	Nutrient Use Efficiency	Importance of Nitrogen Scheduling in Hybrid Maize V-Khatauli	01	01								
F &	OFC	Soil Health and	Balance Use of fertilizer	Balance nutrient management	01	01								

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
FW		Fertility Management		in summer green gram										
F & FW	ONC	Soil Health and Fertility Management	Balance Use of fertilizer	Balance fertilizer application in major crops	01	01								
F & FW	ONC	Soil Health and Fertility Management	Soil & water testing	Importance of soil testing for preparation of soil health card for soil fertility improvement	01	01								
FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Role and importance of NKG for balance diet in rural households	01	01								
FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Role and importance of vegetable in daily diet	01	01								
FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nutritional benefits of curry leaves	01	01								
FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nutritional security through processing and preservation of fruits and vegetables	01	01								
FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nutritional benefits of drumstick and curry leaves	01	01								
FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nutritional benefits of curry leaves	01	01								
FW	OFC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Use of Linseed for human health	01	01								

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
FW	ONC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Nutritional benefits of soybean and its usage in daily diet	01	01								
FW	ONC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Nutritional importance of Quinoa for tribal farmers	01	01								
FW	ONC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Nutritive Benefits of Traditional foods	01	01								
FW	ONC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Designing of high calorie high protein diet for school going children	01	01								
FW	ONC	Home Science/Women empowerment	Minimization of nutrient loss in processing	Drying and dehydration of green leafy vegetables	01	01								
FW	ONC	Home Science/Women empowerment	Minimization of nutrient loss in processing	Nutritional security through processing and preservation of fruits and vegetables	01	01								
FW	ONC	Home Science/Women empowerment	Minimization of nutrient loss in processing	Ways to reduce processing and cooking losses of food	01	01								
FW	OFC	Home Science/Women empowerment	Processing & cooking	Household technique of grain and pulse storage	02	02								
FW	ONC	Home Science/Women empowerment	Value addition	Value addition of soybean	01	01								
FW	OFC	Home Science/Women	Women empowerment											

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		empowerment												
FW	ONC	Home Science/Women empowerment	Location specific drudgery reduction technologies											
FW	OFC	Home Science/Women empowerment	Rural Crafts											
FW	OFC	Home Science/Women empowerment	Women and child care	Care and nutrition of pregnant and lactating women	01	01								
FW	OFC	Home Science/Women empowerment	Women and child care	Importance of balanced diet for healthy living	01	01								
FW	OFC	Home Science/Women empowerment	Others (Income generation)	Training on Nursery raising	01	01								
FW	OFC	Home Science/Women empowerment	Others (Income generation)	Training on vermicompost production	01	01								
F&FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Different types of implements use for deep summer ploughing	01	01								
F&FW	ONC	Agril. Engineering	Farm machinery & its maintenance	Different types of implements use for field preparation in kharif season	01	01								
F&FW	ONC	Agril. Engineering	Farm machinery & its maintenance	Agricultural mechanization in paddy cultivation	01	01								
F&FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Different sowing techniques for soybean	01	01								

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F&FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Use of different types of sprayers	01	01								
F&FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Use of different types for wheat harvesting machinery	01	01								
F&FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Precautions at the time of threshing	01	01								
F&FW	ONC	Agril. Engineering	Installation and maintenance of micro irrigation systems	Importance of drip irrigation in vegetable crops	01	01								
F&FW	ONC	Agril. Engineering	Installation and maintenance of micro irrigation systems	Use of drip irrigation system in orchards	01	01								
F&FW	ONC	Agril. Engineering	Use of Plastics in farming practices	Use of plastic in agriculture	01	01								
F&FW	ONC	Agril. Engineering	Use of Plastics in farming practices	Protray for nursery rising	01	01								
F&FW	ONC	Agril. Engineering	Production of small tools and implements	Improved weeding implement for soybean and maize	01	01								
F&FW	ONC	Agril. Engineering	Production of small tools and implements	Use of vegetable transplanter for vegetable seedling planting	01	01								
F&FW	OFC	Agril. Engineering	Others (Climate Resilient Technology)	Ridge furrow method for chickpea sowing	01	01								
F&FW	OFC	Agril. Engineering	Others (Resource Conservation Technology)	Use of broad bed planter for maize sowing	01	01								
F&FW	ONC	Agril. Engineering	Others (Resource Conservation Technology)	Use of seed drill for paddy sowing	01	01								
F&FW	OFC	Agril. Engineering	Others (soil and water conservation)	Types of rain water harvesting structures	01	01								
F&FW	OFC	Agril. Engineering	Others (soil and water conservation)	Maintenance of water conservation structures	01	01								

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F&FW	OFC	Agril. Engineering	Others (soil and water conservation)	In situ rain water conservation methods in plantation	01	01								
F&FW	OFC	Agril. Engineering	Others (soil and water conservation)	Importance of boribabdhan for nalabunding	01	01								
F&FW	ONC	Agril. Engineering	Others (soil and water conservation)	Efficient use of water in different irrigation system	01	01								
F&FW	OFC	Plant Protection	Integrated Pest Management	Management of sucking pest in	01	01								
F&FW	OFC	Plant Protection	Integrated Pest Management	Integrated pest management (Fall Army Warm) in Hybrid Maize	01	01								
F&FW	OFC	Plant Protection	Integrated Pest Management	Termite problem in gram and lentil and their control management	01	01								
F&FW	ONC	Plant Protection	Integrated Pest Management	Control of root aphid and termite in gram and wheat	01	01								
F&FW	ONC	Plant Protection	Integrated Pest Management	Integrated pest management in Cucurbitacin vegetable crops	01	01								
F&FW	OFC	Plant Protection	Integrated Pest Management	Management of Fall Army Worm in Maize	01	01								
F&FW	OFC	Plant Protection	Integrated Disease Management	Disease management practices in tomato, brinjal and chilli	01	01								
		Plant Protection	Bio0control of pests and diseases											
		Plant Protection	Production of bio control agents and bio pesticides											
F&FW	OFC	Plant Protection	Others (Pl. Specify)	Management of sucking pest in Quinoa	01	01								
F&FW	OFC	Agro forestry	Production technologies	Training on Agrisilviculture	01	01								

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
				System based on Paddy with Tree.										
F&FW	ONC	Agro forestry	Production technologies	Planting techniques of Bamboo and its after care.	01	01								
F&FW	ONC	Agro forestry	Production technologies	Fuel Fodder production under Agri silviculture system.	01	01								
F&FW	OFC	Agro forestry	Production technologies	Wasteland development through Agro forestry.	01	01								
F&FW	OFC	Agro forestry	Production technologies	Plant Protection and Live fencing system.	01	01								
F&FW	OFC	Agro forestry	Production technologies	Guava planting technique and their Management.	01	01								
F&FW	OFC	Agro forestry	Production technologies	Mango, planting technique and their care.	01	01								
F&FW	OFC	Agro forestry	Production technologies	Plantation of tree species based on shahdol region.	01	01								
F&FW	ONC	Agro forestry	Production technologies	Training on Eucalyptus plantation and its care.	01	01								
F&FW	ONC	Agro forestry	Nursery management	Training on Agricultural crop with mango Plantation.	01	01								
F&FW	ONC	Agro forestry	Integrated Farming Systems	Training on Production of Makka chari Grass and its Importance.	01	01								
F&FW	OFC	Agro forestry	Others (Planting Tech.)	Production & collection Technology of mahua seed.	01	01								
F&FW	ONC	Agro forestry	Others (Planting Tech.)	Training on Fodder production along with tree Plantation.	01	01								
F&FW	OFC	Agro forestry	Others (Planting Tech.)	Important role on Aonla in Human Life.	01	01								

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F&FW	OFC	Agro forestry	Others (Wasteland Development)	Cultivation of Turmeric crop under Agri Horticulture system.	01	01								
F&FW	OFC	Agro forestry	Others(Income generation)	Processing Technique of Minor forest product.	01	01								
F&FW	OFC	Agro forestry	Others(Income generation)	Importance of Apiculture in Farmer Field.	01	01								
F&FW	OFC	Agro forestry	Others(Income generation)	Training on Production of Napier grass and its Importance.	01	01								
F&FW	OFC	Agro forestry	Others(Income generation)	Training on Method of Mahua seed /Flowers collection.	01	01								

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Nursery Management of Horticulture crops											
RY		Training and pruning of orchards											
RY		Protected cultivation of vegetable crops											
RY		Commercial fruit production											
RY		Integrated farming											
RY		Seed production											
RY		Production of organic inputs											
RY		Planting material production											
RY		Vermi culture											
RY		Mushroom Production											

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Bee keeping											
RY		Sericulture											
RY		Repair and maintenance of farm machinery and implements											
RY		Value addition											
RY		Small scale processing											
RY		Post Harvest Technology											
RY		Tailoring and Stitching											
RY		Rural Crafts											
RY		Production of quality animal products											
RY		Dairying											
RY		Sheep and goat rearing											
RY		Quail farming											
RY		Piggery											
RY		Rabbit farming											
RY		Poultry production											
RY		Ornamental fisheries											
RY		Composite fish culture											
RY		Freshwater prawn culture											
RY		Shrimp farming											
RY		Pearl culture											
RY		Cold water fisheries											
RY		Fish harvest and processing technology											
RY		Fry and fingerling rearing											
RY	OFC	Others(Pl. Specify)	Ridge furrow method for sowing Chickpea	01	01								

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY	OFC	Others(Pl. Specify)	Zero tillage technology for wheat sowing at village	01	01								
RY	OFC	Others(Pl. Specify)	Cultivation of turmeric based on Agri horti system, Village - Jamuniya	1	01								
RY	OFC	Others(Pl. Specify)	Training on growth of Napier Grass with other tree crops under Agroforestry	01	01								
RY	OFC	Others(Pl. Specify)	Care and nutrition of adolescent girls	01	01								
RY	OFC	Others(Pl. Specify)	Use of linseed for human health	01	01								
RY	ONC	Others(Pl. Specify)	Nutritional benefits of soybean and its usage in daily diet	01	01								

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS	ONC	Productivity enhancement in field crops	Improved package and practices of Field crops (DFI)	01	01								
IS		Integrated Pest Management											
IS		Integrated Nutrient management											
IS		Rejuvenation of old orchards											
IS	ONC	Protected cultivation technology	Improved package and practices of Hort. Crops	01	01								
IS		Production and use of organic inputs											
IS		Care and maintenance of farm machinery and implements											
IS		Gender mainstreaming through SHGs											
IS		Formation and Management of SHGs											
IS		Women and Child care	Malnutrition Eradication	01	01								
IS	ONC	Low cost and nutrient efficient diet designing	Ways to reduce processing and cooking losses of food	01	01								
IS		Group Dynamics and farmers organization											
IS		Information networking among farmers											
IS		Capacity building for ICT application											

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS		Management in farm animals											
IS		Livestock feed and fodder production											
IS		Household food security											
IS	OFC	Others (Nutrition)	Importance of Balanced diet for healthy living,	01	01								
IS	OFC	Others (Ag. Engg.)	Use of different types of sprayers	01	01								
IS	OFC	Others (Soil Science)	Importance of soil health card	01	01								
IS	OFC	Others (Soil Science)	Soil health card and their application in nutrient management	1	01								

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Crop production and management	Commercial floriculture													
Crop production and management	Commercial fruit production													
Crop production and management	Commercial vegetable production													
Crop production and management	Integrated crop management													

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Crop production and management	Organic farming													
Crop production and management	Others(Pl. Specify)													
Post harvest technology and value addition	Value addition													
Post harvest technology and value addition	Others(Pl. Specify)													
Livestock and fisheries	Dairy farming													
Livestock and fisheries	Composite fish culture													
Livestock and fisheries	Sheep and goat rearing													
Livestock and fisheries	Piggery													
Livestock and fisheries	Poultry farming													
Livestock and fisheries	Others(Pl. Specify)													
Income generation activities	Vermi-composting	RKVY Skill Dev Training Programme on “Vermi compost Producer	Vermicompost Producer	Low income	01	25								
Income generation activities	Production of bio-agents, bio-pesticides,													
Income generation activities	Bio-fertilizers etc.													
Income generation activities	Repair and maintenance of farm machinery & implements													
Income generation activities	Rural Crafts													
Income generation	Seed production													

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
activities														
Income generation activities	Sericulture													
Income generation activities	Mushroom cultivation													
Income generation activities	Nursery, grafting etc.													
Income generation activities	Tailoring, stitching, embroidery, dying etc.													
Income generation activities	Agril. para0workers, para0vet training													
Income generation activities	Others(Organic Producer)	RKVY Skill Dev Training Programme on “Soil & Water Testing Lab Assistant “	Soil & Water Testing Lab Assistant	Low income	01	25								
Agricultural Extension	Capacity building and group dynamics													
Agricultural Extension	Others(Pl. Specify)													
Agriculture Engg.	Vocational Training on “ Micro Irrigation Technician”	Micro Irrigation Technician	Micro Irrigation Technician	Low income	01	25								
Agriculture Engg.														

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
		Crop production and management	Increasing production and productivity of crops													
		Crop production and management	Commercial production of vegetables													
		Crop production and management	Production and value addition													
		Crop production and management	Fruit Plants													
		Crop production and management	Ornamental plants													
		Crop production and management	Spices crops													
		Crop production and management	Soil health and fertility management													
		Crop production and management	Production of Inputs at site													
		Crop production and management	Methods of protective cultivation													
		Crop production and management	Others(Pl. Specify)													
		Post harvest technology and value addition	Processing and value addition													
		Post harvest technology and value addition	Others(Pl. Specify)													
		Farm machinery	Farm machinery, tools and implements													

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
		Farm machinery	Others(Pl. Specify)													
		Livestock and fisheries	Livestock production and management													
		Livestock and fisheries	Animal Nutrition Management													
		Livestock and fisheries	Animal Disease Management													
		Livestock and fisheries	Fisheries Nutrition													
		Livestock and fisheries	Fisheries Management													
		Livestock and fisheries	Others(Pl. Specify)													
		Home Science	Household nutritional security													
		Home Science	Economic empowerment of women													
		Home Science	Drudgery reduction of women													
		Home Science	Others(Pl. Specify)													
		Agricultural Extension	Capacity Building and Group Dynamics													
		Agricultural Extension	Others(Pl. Specify)													

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	06	90
Design and development of low/minimum cost diet	03	45
Designing and development for high nutrient efficiency diet	02	30
Minimization of nutrient loss in processing	03	45
Processing and cooking	02	30
Gender mainstreaming through SHGs	-	-
Storage loss minimization techniques	02	30
Value addition	01	15
Women empowerment	-	-
Location specific drudgery reduction technologies	-	-
Rural Crafts	-	-
Women and child care	02	30
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	-	-

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2019	
	Courses	Participants
Crop Production	17	255
Horticulture	01	15
Soil Health and Fertility Management	14	210
Livestock Production and Management	-	-

Area of Training	Jan-Dec-2019	
	Courses	Participants
Agril. Engineering	21	315
Plant Protection	08	120
Fisheries	-	-
Production of Input at site	-	-
Capacity Building and Group Dynamics	-	-
Agro forestry	21	315

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic													
Animal Health Camp	2												
Awareness programme	1												
Celebration of important days	3												
Diagnostic visits	4												
Exhibition	6												
Exposure visits	4												
Ex-trainees Sammelan	2												

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Farm advisory Services	96												
Farmers visit to KVK	80												
Field Day	6												
Group meetings	4												
Kisan Ghosthi/Sammelan	4												
Kisan Mela	1												
Krishi Mahotsav													
Lectures delivered as resource persons	10												
Mahila Mandals conveners meetings	1												
Method Demonstrations	2												
Pradhanmantri phasal beema yojana													
Scientific visit to farmers field	24												
Self Help Group conveners meetings	4												
Soil health Camp	2												
Soil test campaigns	2												
Technology Week	1												
Radio talks	10												
Extension literature	10												
TV talks	4												
Newspaper coverage	30												
Film Show	8												
Others													

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	08		AIR Shahdol	Local
TV talks				
Newspaper coverage	30		Local Newspaper	Local
Internet (Youtube)				
Social media (Whats App, Facebook, Instagram, Twitter etc.)	10 Whatsapp group			

7. Literature Developed/Published (with full title, author & reference)**7.1 KVK Newsletters (Jan to Dec. 2020)**

Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
January to March 2020	Q1	500		
April to June 2020	Q2	500		
July to September 2020	Q3	500		
October to December 2020	Q4	500		

7.2 Literature developed/published

KVK Name	Type	Number of copies
Shahdol	Abstract	
Shahdol	Book	
Shahdol	Book Chapter	
Shahdol	Booklet	
Shahdol	Leaflets/ Folder/ Pamphlet	
Shahdol	Popular article	
Shahdol	Technical Bulletin	
Shahdol	Training Manual	
Shahdol	Technical Report	

KVK Name	Type	Number of copies
Shahdol	Year Planner	
Shahdol	Others (pl. specify)	

Research paper /Review paper published during Jan to Dec. 2020

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
Shahdol					

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Shahdol			

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Shahdol	Fibre	Sunnhemp	M-19	Seed			

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Shahdol							

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost					
	Azolla					
	Earthworms					
	Compost					
	Blue green algae					
	NADEP					
	Sanjeevani Khad					
	Acetobacter					
	Aspergillus					
	Azotobacter					
	Azospirillum					
	Phosphate solubilizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					
Bio-Food	Spirulina					
	Honey					
	Any Other (pl. sp.)					
Bio Pesticides	Neem extract					
	Neem powder					
	Tobacco extract					
	Trichoderma viride					
	Trichoderma harzianum					
	Trichogramma chilonis					
	Beauveria bassiana					
	Metarhizium anisopliae					
	Pseudomonas fluorescens					
	SINPV					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	HaNPV					
	GF1					
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea					
	Tricho card					
	Any other (Pl. Specify)					
Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis					
	Epiricania melanolauca					
Bio Agents(Worms)	Assinia foetida					
	Eudrilus eugeniae					
	Euclnia Uginae					
	Eisenia foetida					
	Earth worm					
	Any other (pl. specify)					
Others	Mushroom spawn					
	Mineral Mixture					
	Cow dung (dry)					
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow						
	Calves						
	Goats						
	Buffaloes						
	Sheep						
	Breeding bull						
	Other (pl specify)						
Poultry	Poultry						
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
	Other						
Piggery	Piglets						
	Boar						
	Sow						
	Other (pl specify)						
Fisheries	Indian carp						
	Exotic carp						
	Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
	Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	by KVKs		By Department	By KVK		By Department			Through Mini Soil Testing kit	Through Soil testing laboratory
					Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory					
Y														

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Shahdol					

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								Total
				SC		ST		Other		General		
				Male	Female	Male	Female	Male	Female	Male	Female	

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Shahdol					

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Name of KVK	Date	Title of the training course	Client	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	
Shahdol													
Shahdol													

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Shahdol						

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Shahdol					

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Shahdol			

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Shahdol				

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology					
		Integrated Farming					
		Field Preparation					
		Any Other (Specify)					
2	Weather	Advisory					
		Change in variety					
		Change in Sowing technique					
		Climate forecast					
		Any Other (Specify)					
3	Soil Management	Soil Testing					
		INM					
		Fertilizer Application					
		Vermicomposting/ bio-waste recycling					
		Bio-fertilizer					
		Any Other (Specify)					
4	Disease & Pest Management	Disease Management					
		Pest Management					
		Preventive Advisory Disease Management					
		Preventive Advisory Pest Management					
		Bio-pesticides					
		Any Other (Specify)					
5	Nutrition Security &	Nutrition Awareness					
		Kitchen garden					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
	Women Empowerment	Value Addition and Processing					
		Drudgery Reduction					
		Entrepreneurship & Income Generation					
		Advisory					
		Any Other (Specify)					
6	Horticulture	Vegetable					
		Fruit					
		Hi Tech Horticulture					
		Any Other (Specify)					
7	Livestock	Feed and Fodder					
		Dairy Management					
		Fisheries					
		Poultry Management					
		Vaccination & Disease management					
		Any Other(Specify)					
8	Farm Mechanization						
9	Extension						
10	Organic Farming						
11	Marketing						
12	Awareness						
13	Other Enterprise						
14	Any						

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
	Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
SHAHDOL						

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Shahdol		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Shahdol				

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/National)	Awarding Organizations	Amount received
Shahdol					

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
	Shahdol				

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Shahdol		

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Shahdol						

Intensive- OFTS, FLDS etc; **Extensive-** Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*
Shahdol							

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Shahdol	Dindori	Technical concept sharing			
Shahdol	Umaria	Technical concept sharing			

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Shahdol	Rewa	Technical concept sharing & Sharing Entomology services			
Shahdol	Sidhi	Technical concept sharing & Agronomy services			

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Shahdol						

28. Status of KVK Website during Jan to Dec. 2020

S.No.	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
	Shahdol	April 2011	www.jnkvvkvshahdolatari9.org.in		

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Shahdol				

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
	Shahdol			

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received (Nos)	Query Disposed(Nos)	Remarks
	Shahdol			

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Shahdol				

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Shahdol		

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Shahdol				

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Shahdol		

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Shahdol					

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Shahdol		

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
Shahdol				

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Shahdol	Gosthies	6		
Shahdol	Lectures organized	22		
Shahdol	Exhibition	6		
Shahdol	Film show	22		
Shahdol	Fair	2		

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Shahdol	Farm/ Field Visit	1		
Shahdol	Diagnostic Practical's	1		
Shahdol	Distribution of Literature (No.)	1		
Shahdol	Distribution of Seed (q)	-		
Shahdol	Distribution of Planting materials (No.)	-		
Shahdol	Bio Product distribution (Kg)	-		
Shahdol	Distribution of Bio Fertilizers (q)	-		
Shahdol	Distribution of fingerlings	-		
Shahdol	Distribution of Livestock specimen (No.)	-		
Shahdol	Total number of farmers visited the technology week	6		
Shahdol	Animal health camp	-		
Shahdol	Awareness programme	-		
Shahdol	Demonstration	-		
Shahdol	Exposure visit	4		
Shahdol	Ex-trainees Meet			
Shahdol	Farmer scientist interaction			
Shahdol	Farmers Training			
Shahdol	Gajarghans Unmulan Pakhwada	1		
Shahdol	Group Meeting			
Shahdol	Jai Kisan Jai Vigyan Sangoshthi			
Shahdol	Plant Protection Week			
Shahdol	Seed treatment campaign			
Shahdol	Self Help Group convener meet	1		
Shahdol	Soil health Camp			
Shahdol	Swachha Bharat Abhiyan	1		
Shahdol	Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Shahdol				

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants
Shahdol			

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Shahdol			

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Shahdol				

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Shahdol				
Shahdol				
Saplings				
Shahdol				
Shahdol				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers
Shahdol				

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Shahdol				

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers
Shahdol				

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Shahdol					

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Shahdol												

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village
Shahdol	Sohagpur	Kelmaniya

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Assessment of Biodecomposer on decomposition of crop residues		2			05
Demonstration on Chickpea JG-12	Chickpea	5			12

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Field visit				
Field Day				

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Training of Farmers and Farmwomen				

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	Shahdol
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
	Shahdol		

19. KVK, Sidhi

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	12	85	12	85	
FLDs – Oilseeds (activity in ha)					
FLDs – Pulses (activity in ha)					
FLDs – Cotton (activity in ha)					
FLDs – Other than Oilseed and pulse crops(activity in ha)	6	60	6	60	
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	2	30	2	30	
Training-Farmers and farm women	36		36	900	
Training-Rural youths	3		3	75	
Training- Extension functionaries	3		3	75	
Extension Activities	136	1500	136	1500	
Seed Production (Number of activity as seeds in quintal)	160	412	160	412	
Planting material ((Number of activity as quantity of planting material in quintal)	10000	345	0	345	
Seedling Production (Number of activity as number of seedlings in numbers)	0				
Sapling Production (Number of activity as number of sapling in numbers)	0				
Other Bio- products (No. of quantity)					
Live stock products	Vermicompost 10 q				
Activities of Soil and Water Testing Laboratory	1000				
Rainwater Harvesting System	0				
Kisan Mobile Advisory (KVK-KMA)	96 and 20000				
SAC Meeting (Date & no. of core/ official members)	2				

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Literature to be Developed/Published	5				
Convergence programmes / Sponsored programmes					
Utilization of Farmers Hostel					
Utilization of Staff Quarters					
Details of KVK Agro-technological Park					
Crop Cafeteria-					
Farm Innovators- list of 10 farm innovators from the District					
Status of Revolving Funds					
Awards and Recognitions					
Case study / Success Story to be developed					
KVK Progressive Farmers interaction					
Outreach of KVK in the District (No. of blocks, no. of villages)					
Technology Demonstration under Tribal Sub Plan					
KVK Ring					
Important visitors to KVK					
Status of KVK Website					
Status of RTI					
E-connectivity					
Details of Technology Week Celebrations					
Interventions on Drought Mitigation					
Sansad Adarsh Gram					
Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Sidhi	16	1	0	6	4	3	1	6	2	16	7

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Prof. M.S. Baghel	Horticulture	M.Sc. (Ag.)	Vegetable Science	42000-67000	68220	16/07/1994	Gen
SMS/ Scientist 1	Dr Alka Singh	Home Science	Ph D	Food Nutrition	15600-39100	35830	29-1-2007	Gen
SMS/ Scientist 2	Dr.Dhananjai Singh	Agronomy	Ph.D	Weed Control	15600-39100	34550	21-3-2007	Gen
SMS/ Scientist 3	Dr A K Chaubey	LPM	Ph.D	LPM	15600-39100	30600	7-10-2011	Gen
SMS/ Scientist 4	-	-	--	-	-	-	-	-
SMS/ Scientist 5	-	-	--	-	-	-	-	-
SMS/ Scientist 6	-	-	--	-	-	-	-	-
Programme Assistant	Smt. Amrita Tiwari	Plant Protection	MSc	Plant Pathology	42700	7 th pay	28/01/2019	Gen
Farm Manager	-	-	--	-	-	-	-	-
Computer Programmer	-	-	--	-	-	-	-	-
Accountant / superintendent	Shri Krishna pal Singh	Assistant Grade III	BSc	-	28500	7 th pay	09/10/2006	Gen
Stenographer	-	-	--	-	-	-	-	-
Driver	Shri Santosh Kumar Raikwar	Driver	10 th	-	28500	7 th pay	16/07/2008	OBC
Driver	-	-	--	-	-	-	-	-
Supporting staff, if any	-	-	--	-	-	-	-	-
Supporting staff, if any	-	-	--	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Sidhi	Kymore Plateau & Satpura Hills	05	402	910983	66.09	11.9 % & 29.9 %	126958	1.79

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
SIDHI	Baghau	2019-20	Sidhi	23 km		
SIDHI	Tala	2019-20	Majhau	47 km		
SIDHI	Kodar	2019-20	Kusmi	80 km		
SIDHI	Gopalpur	2019-20	Rampur Naikin	55 km		
SIDHI	Tenduha No. 1	2018-19	Sihawal	20 km		
SIDHI	Upni	2018-19	Sidhi	8 km		

1.4. THRUST AREAS identified by KVK

KVK Name	Thrust area
Sidhi	Soil and Water conservation
Sidhi	Seed replacement
Sidhi	Promotion of Integrated farming system
Sidhi	Diversification of crops
Sidhi	Weed Management
Sidhi	Imbalance fertilizer application

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Sidhi	The productivity of arable land is very low and uncertain due to rain fed	PRA tools, Group discussion,	Baghau, Tala,

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	condition. The causes of low productivity are:- • Traditional agronomic practices, • Lack of irrigation facilities, • Soil erosion, • undulated topography • non adoption of scientific method of cultivation, • lack of knowledge among the farmers about the improved crop production techniques	Diagnostic field visit & Exploratory survey	Tenduha no. 1, Gopalpur, Upani, Kodar
Sidhi	Low Productivity of wheat:- Rain fed wheat is the major crop in Rabi and occupies maximum area in the district. Despite of low productivity farmers prefer this crop, as it is their staple food. The farmers mostly use local seed (grain as seed), and follow mono cropping system because of climatic conditions. Kharif crop matures late and take longer duration in the field for harvest. It delays the sowing of wheat crop resulting in low residual moisture hence poor germination of seed, weed infestation is high and fertilizer use is also imbalance due poor resource conditions.	PRA tools, Group discussion, Diagnostic field visit & Exploratory survey	
Sidhi	Low Productivity of Paddy: - Paddy occupies second largest area in the district. It is the major food crop. Upland paddy occupies maximum area. By and large sowing is done through broadcasting. Factors responsible for poor yield are: - • Poor fertility status, • use of grain as seed, • little or imbalance use of fertilizers, • heavy weed infestation, • high incidence of pest and diseases • moisture stress during crop growth period	PRA tools, Group discussion, Diagnostic field visit & Exploratory survey	
Sidhi	Low yield of Pulses: - The common pulse crops grown in the district are black gram, red	PRA tools, Group discussion, Diagnostic field visit & Exploratory	•

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	gram in Kharif season and chickpea in Rabi. Infact, chickpea is the major pulse crop. The main factor responsible for low productivity of pulses crop are:- • Poor soil fertility, • unavailability and non use culture, improper sowing time and intercultural operations, • occurrence of moisture stress during critical growth stages of the crop, • high incidence of pest and disease particularly YVMV in black gram wilt in red gram and Bengal gram, high incidence of pod borer in red gram and Bengal gram, • use of degenerated seed , rain fed farming, • heavy infestation of weeds, • unawareness about the new HYV's of pulse crop suitable for locality	survey	
Sidhi	Low yield of Oilseeds: - The common oilseed crops grown in the district are soybean and sesame in Kharif season and mustard and linseed in Rabi. Infact soybean is the major oilseed crop. The main factor responsible for low productivity of oilseed crops are:- • Poor soil fertility, • unavailability and non use culture, • improper sowing method and sowing time. • Lack of intercultural operations, • occurrence of moisture stress during critical growth stages of the crop, • high incidence of pest and disease particularly YVMV disease in Soybean and high incidence of aphid in mustard, • use of degenerated seed ,	PRA tools, Group discussion, Diagnostic field visit & Exploratory survey	

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	- rain fed farming, - heavy infestation of weeds, unawareness about the new HYV's of oilseed crop suitable for locality		
Sidhi	Poor Horticultural Development: - Fruit culture can be remunerative enterprise in view of easily availability of market and demand. However, in the district there are no commercial orchards except some scattered local fruit trees of mango, guava, aonla, being grown near houses in scattered manner. Inadequate quantity and poor quality of fruits do not make scope for marketing there are only few farmers having mango, orchards in compact blocks, Cultivation of vegetable is mainly practice for home consumption in most parts of the district except Sidhi block where the farmers are practicing vegetable on commercial scale. Despite tremendous potentiality and market demand the farmers are not able to take flower cultivation because of Inadequate knowledge of the technology as well as the resource poor ness. The reasons are as follows: - - Lack of irrigation facilities, - low fertility inadequate moisture holding capacity of the soil	PRA tools, Group discussion, Diagnostic field visit & Exploratory survey	
Sidhi	Low productive livestock as well as poultry: Most of the live stock population in the district are of low genetic potential, thus, the milk production is very low. The poor health of the live stock is another factor responsible for low productivity. The factors responsible are as : - Lack of improved breeds of livestock and poultry - Unawareness about the Artificial insemination - Non availability of green fodder - Improper management Open grazing	PRA tools, Group discussion, Diagnostic field visit & Exploratory survey	

2. On Farm Testing (OFT)

2.1 Information about OFT:

Title of on-farm trial:	Assessment of thorn less cactus as green fodder for milch cattle
Year/Season:	Summer, 2020
Farming situation:	Wasteland/Rain fed
Problem diagnosis:	Low milk production of cattle due to non availability of green fodder in summer season
Thematic area:	Feed and fodder management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of dry fodder (Straw) @ 2-3 kg/day/cattle
T2 –Recommended Practice-	Thorn less cactus used as @ 1:3 with straw /day/cattle
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	-
Source of technology:	IGFRI, Jhanshi -2014
Characteristics of technology:	Dry matter - 8.42 % Organic matter – 7.6 % Crude protein – 7.88% Crude Fiber – 10.01 % Total ash – 24 % Calcium – 3.7% Ether Extract – 7.75 % Nitrogen free extraction – 53.36 %
Name of Crop/Enterprises:	thorn less cactus
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of bio decomposer for decomposition of crop residues
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Wide spread deficiency of nutrients due to intensification of Agriculture, non judicious use of fertilizers and create pollution through burn of crop residue.
Thematic area:	Resource conservation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers Practices (No Decomposition of crop residue)
T2 –Recommended Practice-	Decomposition of crop residue through bacterial base decomposer @ 500ml for one ton raw material
T3- Recommended Practice-	T ₂ + Bio decomposer @ 500 ml Bio decomposer (<i>Bacterial base</i>) and 500 ml Bio decomposer (<i>Fungal base</i>).
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, Jabalpur, 2016-17
Characteristics of technology:	Mix 500 ml Bio decomposer (<i>Bacterial base</i>) and 500 ml Bio decomposer (<i>Fungal base</i>) for 1 tons of raw material along with sufficient moisture. After 8-10 days turn the organic raw

	material of the heap and again spray this solution on the heap and mix it thoroughly then after don't disturb of hip up to 45 to 60 days.
Name of Crop/Enterprises:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of Wheat Variety JW 3288 in Rice-Wheat cropping system under semi irrigated condition.
Year/Season:	Rabi, 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to old variety and degenerated seed
Thematic area:	Variety replacement
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Lok 1
T2 –Recommended Practice-	JW 3336
T3- Recommended Practice-	

Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, Jabalpur, 2012
Characteristics of technology:	High yielding and suitable for late sown condition
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of IPM module of Okra Shoot and Fruit borer
Year/Season:	Kharif, 2020
Farming situation:	Irrigated
Problem diagnosis:	The shoot and fruit of okra heavy damage and cause low yield
Thematic area:	IPM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	

T1 – Farmers Practice-	Use of old insecticides
T2 –Recommended Practice-	Bt 1000g ai/ha (1000 ml/ha) applied at pest infestation and 3 spray at 10 DAI
T3- Recommended Practice-	Spinosad 45 SC @ 125 ml/ha applied at 30 days after sowing (DAS) and subsequently 2 sprays at and interval of 15 days
Date of sowing:	
Date of harvesting:	-
Source of technology:	IIVR, Varanasi (2010)
Characteristics of technology:	Effective and much safer insecticides
Name of Crop/Enterprises:	Okra
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	No.of infected fruit	Yield q/h	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	No of infected fruit	%						
T2(Recommended Practice)	Yield	q/h						
T3(Recommended Practice)								

Title of on-farm trial:	To assess the efficacy of Different IDM Modules for management of Web Blight in Green gram
Year/Season:	Kharif, 2020
Farming situation:	Rain fed

Problem diagnosis:	Sever yield loss (up to 30%) in Green gram due severe incidence (up to 45%) of Web Blight in Green gram.
Thematic area:	IDM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Seed treatment with Thiram @ 2 gram/ kg seed
T2 –Recommended Practice-	Seed treatment with Trichoderma viridi @ 5 g per kg seed
T3- Recommended Practice-	Seed treatment with Carboxin @ 2 g and Rhizobium @ 20g/ kg Seed + foliar spray of propiconazole- 25 SC @ 1.0 ml at early onset of disease
Date of sowing:	
Date of harvesting:	
Source of technology:	IIPR, Kanpur, 2010/ IARI, New Delhi, 2010
Characteristics of technology:	Seed treatment with Carboxin or/ and Trichoderma viridi, and Rhizobium at early onset of disease are highly effective against web blight in Green gram and reduces up to 80 % disease incidence
Name of Crop/Enterprises:	Green gram
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	% diseases incidence,	Yield q/h	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	diseases incidence	%						
T2(Recommended)	Yield	q/h						

Details of technology	Name of Parameter	Unit of Parameter	% diseases incidence,	Yield q/h	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Practice)								
T3(Recommended Practice)								

Title of on-farm trial:	Assessment of wilt disease in Chickpea
Year/Season:	Rabi, 2020
Farming situation:	Rain fed
Problem diagnosis:	Yield loss 25-50%
Thematic area:	IDM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No application of fungicide
T2 –Recommended Practice-	(1) Seed treatment with T.viride @5gm/kg seed (2) Seed treatment with carboxin 75 WP @ 2.5 g/kg seed + Thirum @ 2g/kg seed
T3- Recommended Practice-	T3 : Seed treatment with vitavax power @ 2g/kg seed + soil treatment with T. viride @ 5kg/ha
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, 2007
Characteristics of technology:	Low cost and ecofriendly
Name of Crop/Enterprises:	Chick pea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Title of on-farm trial:	Assessment of IPM module of Brinjal Shoot and Fruit borer
Year/Season:	Rabi, 2020
Farming situation:	Irrigated
Problem diagnosis:	The shoot and fruit infested due to fruit borer and reduce yield 35-40 %
Thematic area:	IPM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Untimely application of Carbosulfan
T2 –Recommended Practice-	(1) Shoot clipping in Brinjal (2) Use of pheromones trap @ 100 trap/ ha (3) Spray of NSKE 4 % at pre flowering stage
T3- Recommended Practice-	Need basied spray of spinosad 45 SC @ 125 ml/ha applied at 30 days at and interval of 15 days
Date of sowing:	
Date of harvesting:	
Source of technology:	IIVR, Varanasi (2010)
Characteristics of technology:	Effective and much safer insecticides.
Name of Crop/Enterprises:	Brinjal
Recommendations for Farmers	

Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.2. Information about Extension OFT:

Title	Assessment of knowledge & adoption of soil health card based fertilizer application
Season & Year	Rabi 2020
Problem identified	Poor knowledge about SHC recommendation
Thematic Area	SFM
Farming situation	
Name of Technology under study	T1- Farmer practice T2- Adoption of recommended dose of fertilizer as per STV/SHC
Farmers Practice	No adaptation of recommended dose of fertilizer as per STV/SHC
No. of replication (Farmers)	100

Results / findings

Performance indicators/ parameters	Unit/ details

2.3. Information about Home Science OFT:

Title of on-farm trial:	Assessment of nursery management for production of good quality seedling for getting higher yields and improving crop quality
Year/Season:	Kharif 2020

Problem diagnosis:	Lack of awareness of improved nursery practices such as raised beds, seed treatment, protection against environment, etc.
Thematic area:	Income generation
No of trials:	10
No. of farmers/farm women involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Open field nursery
T2 –Recommended Practice-	T2- Raised bed T3- Seedling tray
Source of technology:	JNKVV, Jabalpur, 2005
Characteristics of technology:	Location, soil, water and plant protection measures Improve crop uniformity and Higher yields
Name of Crop/Enterprises:	
Farming situation:	Irrigated
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/ enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

Title of on-farm trial:	Assessment of Drumstick leaves powder for nutritional security of farm families
Year/Season:	Kharif 2020
Problem diagnosis:	Nutritional insecurity of farm families
Thematic area:	Nutritional security
No of trials:	10
No. of farmers/farm women involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	One spoon (3 gm) per day for three months
T2 –Recommended Practice-	
Source of technology:	JNKVV, 2015
Characteristics of technology:	Drumstick contains high amount of protein, vitamin A, Vit. C, Vit. B complex, calcium, Iron etc
Name of Crop/Enterprises:	Drumstick leaves
Farming situation:	Irrigated
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/ enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

Title of on-farm trial:	Assessment of Processing and Value Addition of Small Millet to Achieve Nutritional and Financial Security
Year/Season:	Rabi, 2020
Problem diagnosis:	Lack of processing technology
Thematic area:	Income generation
No of trials:	05
No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	100 % millet
T2 –Recommended Practice-	50% millet + 50% other flour
Source of technology:	CFTRI, Mysore (2016)
Characteristics of technology:	Rich source of antioxidants, carotenes and tocopherols, hypoglycemic in nature
Name of Crop/Enterprises:	Small millet
Farming situation:	Irrigated
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

***Kindly use Unit as per the machine/implement/equipment used for drudgery reduction**

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/ enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

Title of on-farm trial:	Assessment of vermi-compost production unit for income generation of farm women
Year/Season:	Rabi, 2020
Problem diagnosis:	Improper use of bio-waste
Thematic area:	Income Generation
No of trials:	10
No. of farmers/farm women involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Use of Bio waste for making of Vermi compost
T2 –Recommended Practice-	ICAR-IARI (2000)
Source of technology:	Vermicomposting is a method of preparing enriched compost with the use of earthworms. It is highly useful in raising seedlings and for crop production. On Small-scale farmer can harvest 5-10 tonn of vermicompost annually.
Characteristics of technology:	
Name of Crop/Enterprises:	Irrigated
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/ enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	IPM	Demonstration of Integrated management of brown plant hopper (BPH) and White Backed plant Hopper (WBPH) in Rice		Rice	IPM	Irrigated		2								
2020	Rabi	IDM	Demonstration of Mancozeb and Metalaxyl for management of		Mustard	IDM	Irrigate		2								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			Alternaria blight in Mustard														
2020	Kharif	Weed management	Demonstration of Integrated Weed Management in Direct Seeded Rice.		Rice	Pendimethalin (Stomp-extra) @1000 g a.i./ha at 0-3 DAS + Bispyribac sodium salt (Nomani Gold) 25 g a.i./ha at 20-25 DAS			4.0								
2020	Kharif	Weed management	Demonstration of Imazethapyr @ 100 g a.i./ha for weed management in		Pigeon pea	Imazethapyr @ 100 g a.i./ha			4.0								

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
			Pigeon pea														
2020	Rabi	Variety Replacement	Demonstration of JW 3288 variety of wheat for timely sown		Wheat	JW 3288			4.0								
2020	Rabi	Variety Replacement	Demonstration of JG 14 variety of gram under late sown condition		Chickpea	JG 14			4.0								

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Seed (Variety)- JG 12, Rhizobium, PSB, Trichoderma	Chickpea	No of pods/plant										
JW 3388	Wheat	No of tillers per running meter										
JG 14	Chickpea	No of pods/plant										
Demonstration of Integrated management of brown plant hopper (BPH) and White Backed plant Hopper (WBPH) in Rice	Rice	% infestation of BPH and WBPH in plant, Yield q/ha										
Demonstration of Mancozeb and Metalaxyl for management of Alternaria blight in Mustard	Mustard	% Disease incidence, Yield q/ha										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of Integrated Weed Management in Direct Seeded Rice.	Rice	No.of weeds/m parameter										
Demonstration of Imazethapyr @ 100 g a.i./ha for weed management in Pigeon pea	Pigeonpea											
Demonstration of JW 3288 variety of wheat for timely sown	Wheat											
Demonstration of JG 14 variety of gram under late sown condition	Chickpea											

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Techology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop / Enterprise	Name of Variety/Techology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop/ Enterprise	Name of Variety/Tech nology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha) / Enterp - No.	Results (q/ha)		% change	No. of farmers				
										F P (T ₁)	R P (T ₂)		S C	S T	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	Nutritional Security	Demonstration of Nutritional Kitchen garden at backyard	vegetables	Nutritional Kitchen garden	200 sqm								
2020	Rabi	Income Generation	Demonstration of Oyster mushroom for income generation	Oyster mushroom	Oyster mushroom on Wheat straw/ Paddy straw	-								

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
-	-	-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m))))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Sidhi	-	-	-	-	-

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	Sidhi	-	-	-	-	-

4. Feedback System
4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Sidhi	-	-	-	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Sidhi	-

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Sidhi	-	-	-	-

5. Training Programmes

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F & FW	OFC	Crop Production	Weed Management	Weed management in Wheat	01	02								
F & FW	OFC	Crop Production	Resource Conservation Technologies	1. Pot harvest management of grain 2. Modern techniques of paddy cultivation 3. Irrigation management in <i>Kharif</i> crops 4. Insect management in pigeon pea 5 Insect management in chickpea	04	08								
		Crop Production	Seed production											
F & FW	OFC	Crop Production	Nursery management	1. Nursery raising technique for SRI system	01	02								
F & FW	OFC	Crop Production	Integrated Crop Management	1. Cultivation practices of pigeon pea 2. Improved cultivation practices of linseed 3. Improved cultivation practices	04	08								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
				of Gram 4. Cultivation practices of late shown wheat 5. cultivation practices of Zaid moong.										
F & FW		Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Household food security by kitchen gardening	1	2								
F & FW		Home Science/Women empowerment	Storage loss minimization techniques	Training on storage practice and techniques	1	1								
F & FW		Home Science/Women empowerment	Value addition	Trading on nutria rich- value added product										
F & FW		Home Science/Women empowerment	Women empowerment	Vermicompost production	1	1								
F & FW				Mushroom production	1	1								
F & FW		Home Science/Women empowerment	Location specific drudgery reduction technologies	Drudgery reduction tools and equipment	1	2								
F & FW		Home Science/Women empowerment	Rural Crafts											
F & FW		Home Science/Women empowerment	Women and child care	Training of farm women on health and nutrition.	1	1								
F & FW				Balanced nutrition for farm families	1	2								

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F & FW				Training on importants of nutrition for healthy leaving	1	2								
F & FW	ONC/ OFC	Plant Protection	Integrated Pest Management	1. Insect pest and disease management in nursery of vegetables 2. IPM in rice 3. Identification diagnosis and integrated pest management in Kharif crops 4. IPM in pigeon pea 5. Integrated affid management in mustard 6. Integrated pest management in gram.	5	10								
F & FW		Plant Protection	Integrated Disease Management	1. IDM in rice 2. Integrated diseases management in Wheat 3. Integrated disease management in Rabi crops. 4. IDM in Okra	2	4								
F & FW		Plant Protection	Others (Pl. Specify)	1. Management of Storage grains pests 2. Seed treatment with difference agents	2	4								

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Nursery Management of Horticulture crops											
RY		Training and pruning of orchards											
RY		Protected cultivation of vegetable crops											
RY		Commercial fruit production											
RY		Integrated farming											
RY	OFC	Seed production	Seed Production	1	5								
RY		Production of organic inputs											
RY		Planting material production											
RY		Vermi culture	Vermicompost production.										
RY	OFC	Mushroom Production	Mushroom production	1	3								
RY		Bee keeping											
RY		Sericulture											
RY		Repair and maintenance of farm machinery and implements											
RY		Value addition											
RY		Small scale processing											
RY		Post Harvest Technology											
RY		Tailoring and Stitching											
RY		Rural Crafts											
RY		Production of quality animal products											
RY		Dairying											
RY		Sheep and goat rearing											

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY		Quail farming											
RY		Piggery											
RY		Rabbit farming											
RY		Poultry production											
RY		Ornamental fisheries											
RY		Composite fish culture											
RY		Freshwater prawn culture											
RY		Shrimp farming											
RY		Pearl culture											
RY		Cold water fisheries											
RY		Fish harvest and processing technology											
RY		Fry and fingerling rearing											
RY		Others(Pl. Specify)											

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS	ONC	Productivity enhancement in field crops	1.Scientific technology of crop production 2. Rabi crop management.	2	2								
IS	ONC	Integrated Pest Management	1.Integrated disease management in kharif crops 2. Integrated pest management in rabi crops.	2	2								

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
IS	ONC	Integrated Nutrient management											
IS	ONC	Rejuvenation of old orchards											
IS	ONC	Protected cultivation technology											
IS	ONC	Production and use of organic inputs											
IS	ONC	Care and maintenance of farm machinery and implements											
IS	ONC	Gender mainstreaming through SHGs											
IS	ONC	Formation and Management of SHGs											
IS	ONC	Women and Child care	1.Balanced Nutrition for pregnant & Lactating farmwomen 2. Balance nutrition for children and adolescent	2	2								
IS	ONC	Low cost and nutrient efficient diet designing											
IS	ONC	Group Dynamics and farmers organization											
IS	ONC	Information networking among farmers											
IS	ONC	Capacity building for ICT application											
IS	ONC	Management in farm											

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4		6	7	8	9	10	11	12	13	14	15
		animals											
IS	ONC	Livestock feed and fodder production											
IS	ONC	Household food security											
IS	ONC	Others(Pl. Specify)											

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
Post harvest technology and value addition	Value addition	Value addition and food processing	Fruits and vegetables	Value addition	1	10								
		Fruits and vegetable preservation	Fruits and vegetable	Value addition	1	12								
Post harvest technology and value addition	Others(Pl. Specify)													
Income generation activities	Mushroom cultivation	Mushroom production	mushroom	Income generation	1	7								

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
		Crop production and management	Increasing production and productivity of crops													
		Crop production and management	Commercial production of vegetables													
		Crop production and management	Production and value addition													
		Crop production and management	Fruit Plants													
		Crop production and management	Ornamental plants													
		Crop production and management	Spices crops													
		Crop production and management	Soil health and fertility management													
		Crop production and management	Production of Inputs at site													
		Crop production and management	Methods of protective cultivation													
		Crop production and management	Others(Pl. Specify)													
		Post harvest technology and value addition	Processing and value addition													
		Post harvest technology and value addition	Others(Pl. Specify)													
		Farm machinery	Farm machinery, tools and implements													
		Farm machinery	Others(Pl. Specify)													

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Sponso ring Agency	Fund received for training (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
		Livestock and fisheries	Livestock production and management													
		Livestock and fisheries	Animal Nutrition Management													
		Livestock and fisheries	Animal Disease Management													
		Livestock and fisheries	Fisheries Nutrition													
		Livestock and fisheries	Fisheries Management													
		Livestock and fisheries	Others(Pl. Specify)													
		Home Science	Household nutritional security													
		Home Science	Economic empowerment of women													
		Home Science	Drudgery reduction of women													
		Home Science	Others(Pl. Specify)													
		Agricultural Extension	Capacity Building and Group Dynamics													
		Agricultural Extension	Others(Pl. Specify)													

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Sidhi	-	-	-	-	-

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	1	18
Design and development of low/minimum cost diet		
Designing and development for high nutrient efficiency diet		
Minimization of nutrient loss in processing		
Processing and cooking		
Gender mainstreaming through SHGs		
Storage loss minimization techniques	1	20
Value addition	1	25
Women empowerment	2	45
Location specific drudgery reduction technologies		
Rural Crafts		
Women and child care	3	69
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	1	28

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Crop Production		
Horticulture		

Area of Training	Jan-Dec-2019	
	Courses	Participants
Soil Health and Fertility Management		
Livestock Production and Management		
Agril. Engineering		
Plant Protection		
Fisheries		
Production of Input at site		
Capacity Building and Group Dynamics		
Agro forestry		

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
-	-	-	-	-	-	-	-	-	-	-

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.)								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	0												
Awareness programme	06	6											
Celebration of important days	5	5	178	5	7	2	8	1					
Diagnostic visits	15	15	25	12	28	8	0	0					

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.)								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials				
			M	F	M	F	M	F	M	F	Purpose	Topics	Crop Stages
Exhibition	2	2	Mass										
Exposure visits	1	1	15	5	0	0	0	0					
Ex-trainees Sammelan	-	-	-	-	-	-	--	-					
Farm advisory Services	11	11	12450	1003	14183	240	360	200					
Farmers visit to KVK		3175											
Field Day	-	-	-	-	-	-	--	-					
Group meetings	-	-	-	-	-	-	--	-					
Kisan Ghosthi/Sammelan	1	1	35	10	8	5	4	2					
Kisan Mela	0	0	0	0	0	0	0	0					
Krishi Mahotsav	0	0	0	0	0	0	0	0					
Lectures delivered as resource persons													
Mahila Mandals conveners meetings	-	-	-	-	-	-	--	-					
Method Demonstrations	-	-	-	-	-	-	--	-					
Pradhanmantri phasal beema yojana	-	-	-	-	-	-	--	-					
Scientific visit to farmers field	15	15	25	12	28	8	0	0					
Self Help Group conveners meetings	-	-	-	-	-	-	--	-					
Soil health Camp	-	-	-	-	-	-	--	-					
Soil test campaigns	-	-	-	-	-	-	--	-					
Technology Week	2	2	21	8	17	6	3	5					
Radio talks	-	-	-	-	-	-	--	-	-	-			
Extension literature	-	-	-	-	-	-	--	-	-	-			
TV talks	-	-	-	-	-	-	--	-	-	-			
Newspaper coverage													
Film Show													
Others													

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	3	-	-	-
TV talks				
Newspaper coverage	-	-	-	-
Internet (Youtube)	-	-	-	-
Social media (Whats App, Facebook, Instagram, Twitter etc.)				

7. Literature Developed/Published

7.1 KVK Newsletters (Jan to Dec. 2020)

Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
January to March 2020	Q1			
April to June 2020	Q2			
July to September 2020	Q3			
October to December 2020	Q4			

7.2 Literature developed/published

Type	Number of copies
Abstract	5
Book	1
Book Chapter	1
Booklet	0
Leaflets/ Folder/ Pamphlet	0
Popular article	8
Technical Bulletin	0

Type	Number of copies
Training Manual	0
Technical Report	0
Year Planner	0
Others (pl. specify)	0

Research paper /Review paper published during Jan to Dec. 2020

Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
-	-	-	-	-

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Sidhi	Nil	Nil	Nil

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Sidhi	Breeder	Wheat	JW 3288				
Sidhi	Breeder	Linseed	JLS 79				
Sidhi	Breeder	Paddy	JR 81				

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Sidhi	-	-	-	-	-	-	-

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter	-	-	-	-	-
	Vermicompost					
	Azolla					
	Earthworms					
	Compost					
	Blue green algae					
	NADEP					
	Sanjeevani Khad					
	Acetobacter					
	Aspergillus					
	Azotobacter					
	Azospirillum					
	Phosphate solubilizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					
Bio-Food	Spirulina					
	Honey					
	Any Other (pl. sp.)					
Bio Pesticides	Neem extract					
	Neem powder					
	Tobacco extract					
	Trichoderma viride					
	Trichoderma harzianum					
	Trichogramma chilonis					
	Beauveria bassiana					
	Metarhizium anisopliae					
	Pseudomonas fluorescens					

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
	SINPV					
	HaNPV					
	GF1					
	Baco Lures					
	Heli Lures					
	Leucin Lures					
	Paecilomyces					
	Panchagavya					
	Verticillium					
Bio Agents (Tricho card)	Trichogramma chilonis					
	Chrysoperla carnea					
	Tricho card					
	Any other (Pl. Specify)					
Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis					
	Epiricania melanolauca					
Bio Agents(Worms)	Assinia foetida					
	Eudrilus eugeniae					
	Euclnia Uginae					
	Eisenia foetida					
	Earth worm					
	Any other (pl. specify)					
Others	Mushroom spawn					
	Mineral Mixture					
	Cow dung (dry)					
	Any other (pl. specify)					

8.4 Livestock and fisheries production

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow	-	-	-	-	-	-
	Calves						
	Goats						
	Buffaloes						
	Sheep						
	Breeding bull						
	Other (pl specify)						
Poultry	Poultry						
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
	Other						
Piggery	Piglets						
	Boar						
	Sow						
	Other (pl specify)						
Fisheries	Indian carp						
	Exotic carp						
	Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
					by KVKs		By Department	By KVK		By Department				
	Sanctioned	Procured	Collected by KVKs	Provided by Dept./DDA	Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory				Through Mini Soil Testing kit	Through Soil testing laboratory
	Y	02	02	120	4486	120	120	4486						

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Sidhi	-	-	-	-	-

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
-	-	-	-	-	-	-	-	-	-	-	-	-

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Sidhi	-	-	-	-	-

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								Total
				SC		ST		Other		General		
				Male	Female	Male	Female	Male	Female	Male	Female	
-	-	-	-	-	-	-	-	-	-	-	-	

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Sidhi	-	-	-	-	-	-

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Sidhi	2007	2007	6	0	-

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Sidhi			

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Sidhi	3543	18	-	3561

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology	4	4	28620	1058	1058
		Integrated Farming					
		Field Preparation	1	1	29536	1058	1058
		Any Other (Specify)	1	1	28620	1058	1058
2	Weather	Advisory					
		Change in variety					
		Change in Sowing technique					
		Climate forecast					
		Any Other (Specify)					
3	Soil Management	Soil Testing	1	1	29536	1058	1058
		INM					
		Fertilizer Application					
		Vermicomposting/ bio-waste recycling					
		Bio-fertilizer	1	1	28620	1058	1058
		Any Other (Specify)					
4	Disease & Pest Management	Disease Management					
		Pest Management					
		Preventive Advisory Disease Management					
		Preventive Advisory Pest Management					
		Bio-pesticides					
		Any Other (Specify)					
5	Nutrition Security	Nutrition Awareness					

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
	& Women Empowerment	Kitchen garden					
		Value Addition and Processing					
		Drudgery Reduction					
		Entrepreneurship & Income Generation					
		Advisory					
		Any Other (Specify)					
6	Horticulture	Vegetable					
		Fruit					
		Hi Tech Horticulture					
		Any Other (Specify)					
7	Livestock	Feed and Fodder					
		Dairy Management					
		Fisheries					
		Poultry Management					
		Vaccination & Disease management					
		Any Other(Specify)					
8	Farm Mechanization						
9	Extension						
10	Organic Farming						
11	Marketing						
12	Awareness	Seed availability	1	1	29536	1058	1058
13	Other Enterprise						

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
14	Any Other (Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Sidhi	-	-	-	-	-	--

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Sidhi	900000/	OFT	16	85260	
		FLD (other than CFLD)	15	105870	
		Training	36	30780	
		Extension Activities	136	15950	
		SAC Meeting	01	9500	
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Sidhi	11104544169	112860	124890	

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/National)	Awarding Organizations	Amount received
Sidhi	-	-	-	-	-

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
Rabi, 360 sq. meter)	Cereales, Pulses,Oilseed,	Wheat,Gram,Linseed,Pea	GW 366,LOK 1, JW 3288,JW3211,GW322,C 306,GW273,WH147,JG 63,JG 315, JG14,JG12,JG74,LLC148,JLS-67,KBA-4,JLS-73,JLS-66,JLS-95,JLS-27,JLS-79,IFPA 99-25	Wheat –GW 322 Linseed JLS 79 Gram JG 12
Kharif, (450 sq. meter)	Cereales, Pulses	Rice ,Moong , urid, Til,	PS 4,PS 3, MTU1010,JR 767, Dhanteswari, basmati 1121, DRT 42,IR 64,PS 5 Kaweri,JR81,PDM 139,TMB 37, Shikha, IPU-2-93,PU-35 JU-3,TKG 306,TKG308	PS 4
Rabi (315 sq .meter)	Cereales, Pulses,Oilseed,	Wheat,Gram,Linseed,Pea	GW 322 GW 273, JW 3288,JW3211,WB-2,Jakee 9218 ,JG14,JG12, JL-3, LLC148,JLS-67,KBA-4,JLS-73,JLS-66,JLS-95,JLS-27,JLS-79 , Kartika, Ajad,IFPA 99-25	

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1	Sidhi	Shri Kranti Shukla	Dairy Farming	Karondia, Sidhi	
2	Sidhi	Shri Umed Singh	Integrated farming system	Gopalpur, Rampur Naikin	
3	Sidhi	Shri Vinay Singh	SRI system	Gopalpur, Rampur Naikin	
4	Sidhi	Shri Vinay Singh Chauhan	SRI system	Shairpur, Sidhi	
5	Sidhi	Shri Shila Dhawaj Agnihotri	Integrated farming system	Mamdar, Rampur Nakin	
6	Sidhi	Shri Ganga Prasad	SRI system	Hanuman Garh, Sidhi	

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
		Pandey			
7	Sidhi	Shri Takhat Raj Singh	Vegetables	Son Varsha, Sidhi	
8	Sidhi	Shri T P Singh	Integrated farming system	Kamarji, Sihawal	
9	Sidhi	Sri Harilal Jaiswal	Fruit and Vegetable Cultivation	Upani, Sidhi	
10	Sidhi	Sri Heera Lal Kushwaha	Vegetable Cultivation on drip irrigation	Chor Garhi, Rampur Naikin, Sidhi	

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Sidhi	-	-

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Sidhi	05	1058	05	0	25	278

Intensive- OFTS, FLDS etc ; **Extensive-** Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation *
Sidhi	-	-	-	-	-	-	-

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Sidhi	-	-			

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Sidhi			-	-	-	

28. Status of KVK Website during Jan to Dec. 2020

S.No.	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
01	Sidhi	20-02-2015	2		

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
-	-	-	-	-

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
-	-	-	-	-

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
-	-	-	-	-

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
-	-	-	-	-
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Sidhi	-	-

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Sidhi	-	-	-	-

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Sidhi	-	-

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Sidhi	Alka singh	Scientist			

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Sidhi	-	-

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
Sidhi	-	-	-	-

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Gosthies			
Lectures organized			
Exhibition			
Film show			
Fair			
Farm/ Field Visit			
Diagnostic Practical's			
Distribution of Literature (No.)			
Distribution of Seed (q)			
Distribution of Planting materials (No.)			
Bio Product distribution (Kg)			
Distribution of Bio Fertilizers (q)			
Distribution of fingerlings			
Distribution of Livestock specimen (No.)			
Total number of farmers visited the technology week			
Animal health camp			

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Awareness programme			
Demonstration			
Exposure visit			
Ex-trainees Meet			
Farmer scientist interaction			
Farmers Training			
Gajarghans Unmulan Pakhwada			
Group Meeting			
Jai Kisan Jai Vigyan Sangoshthi			
Plant Protection Week			
Seed treatment campaign			
Self Help Group convener meet			
Soil health Camp			
Swachha Bharat Abhiyan			
Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Sidhi	-	-	-	-

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Sidhi	-	-	-

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Sidhi	-	-	-	-

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Saplings				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers
Sidhi	-	-	-	-

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Sidhi	-	-	-	-

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers
Sidhi	-	-	-	-

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Sidhi	-	-	-	-	-

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Sidhi	-	-	-	-	-	-	-	-	-	-	-	-

38. Activities for Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village
Sidhi	-	-

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
-	-	-	-	-	-

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
-	-	-	-	-

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
-	-	-	-	-

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK			
TITLE			
Introduction			
KVK intervention			
Output			
Outcome			
Impact			
Sl. No	Items		
01	Crop		

02	Variety		
03	Area covered (ha)		
04	Yield (q/ha)		
05	Cost of cultivation (Rs./ha)		
06	Gross Return (Rs./ha)		
07	Net Return (Rs./ha)		
08	B:C ratio		

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
	Sidhi	-	-

20. KVK, Singrauli

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	14	120			
FLDs – Oilseeds (activity in ha)	01	25			
FLDs – Pulses (activity in ha)	02	100			
FLDs – Cotton (activity in ha)	0	0			
FLDs – Other than Oilseed and pulse crops(activity in ha)	04	40			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	08	80			
Training-Farmers and farm women	46	1105			
Training-Rural youths	04	80			
Training- Extension functionaries	05	115			
Extension Activities					
Seed Production (Number of activity as seeds in quintal)	01	50			
Planting material ((Number of activity as quantity of planting material in quintal)	01	200			
Seedling Production (Number of activity as number of seedlings in numbers)	7000	502			
Sapling Production (Number of activity as number of sapling in numbers)	0	0			
Other Bio- products (No. of quantity)	500	100			
Live stock products	0	0			
Activities of Soil and Water Testing Laboratory	02	300			
Rainwater Harvesting System	0	0			
Kisan Mobile Advisory (KVK-KMA)	-	-			
SAC Meeting (Date & no. of core/ official members)	02	32			
Literature to be Developed/Published	12	39			
Convergence programmes / Sponsored programmes	-	-			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel	0	0			
Utilization of Staff Quarters	0	0			
Details of KVK Agro-technological Park					
Crop Cafeteria-					
Farm Innovators- list of 10 farm innovators from the District					
Status of Revolving Funds					
Awards and Recognitions	0	0			
Case study / Success Story to be developed	02				
KVK Progressive Farmers interaction	01	20			
Outreach of KVK in the District (No. of blocks, no. of villages)	03	811			
Technology Demonstration under Tribal Sub Plan	0	0			
KVK Ring					
Important visitors to KVK					
Status of KVK Website					
Status of RTI					
E-connectivity					
Details of Technology Week Celebrations					
Interventions on Drought Mitigation					
Sansad Adarsh Gram					
Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Singrauli	16	1	0	6	1	03	01	6	02	16	04

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Singrauli	Sr. Scientist & Head	Vacant							
Singrauli	SMS/ Scientist 1	Dr. Jai Singh	Plant Protection	Ph.D	Plant Pathology	15600-39100		29.03.2007	General
Singrauli	SMS/ Scientist 2	Vacant							
Singrauli	SMS/ Scientist 3	Vacant							
Singrauli	SMS/ Scientist 4	Vacant							
Singrauli	SMS/ Scientist 5	Vacant							
Singrauli	SMS/ Scientist 6	Vacant							
Singrauli	Programme Assistant	Ms. Ketki Dhumketi	Food Science	M.Sc. (Ag.)	Food Science	42700.0	-	30.01.2019	ST
Singrauli	Farm Manager	Vacant							
Singrauli	Computer Programmer	Vacant							
Singrauli	Accountant / superintendent	Vacant							
Singrauli	Stenographer	Vacant							
Singrauli	Driver	Shri Surendra Singh Nigwal	-	8 th	-	19500	25999	10.07.2018	ST
Singrauli	Driver	Shri Sunil Kumar Vaishya	-	BA	-	28640	37717	11.07.2008	SC
Singrauli	Supporting staff, if any	Vacant							
Singrauli	Supporting staff, if any	Vacant							

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Singrauli	Kymore Pleatu and Satpura Hills	03						

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Singrauli	Chitarwai Kala	2017-18	Waidhan	19KM	2805	647
Singrauli	Naugai	2019-20	Chitrangi	65KM	1378	272
Singrauli	Barahpan	2019-20	Waidhan	25 KM	3165	707

1.4. THRUST AREAS identified by KVK

KVK Name	Thrust area
Singrauli	Soil and Water conservation
Singrauli	Seed replacement
Singrauli	Promotion of Integrated farming system
Singrauli	Diversification of crops
Singrauli	Promotion of high value Horticultural crops
Singrauli	Livestock up gradation
Singrauli	Women empowerment
Singrauli	Multi level employment generation
Singrauli	Wasteland Development

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Singrauli	The productivity of arable land is very low and uncertain due to rain fed condition. The causes of low productivity are:-	PRA tools, Group discussion, Diagnostic field visit & Exploratory survey	All three Developmental Block
	Traditional agronomic practices,		
	Lack of irrigation facilities		
	Soil erosion		
	Undulated topography		
	Non adoption of scientific method of cultivation		
	Lack of knowledge among the farmers about the improved crop production techniques.		

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Singrauli	Low productivity of Wheat:- Rain fed wheat is the major crop in Rabi and occupies maximum area in the district. Despite of low productivity farmers prefer this crop, as it is their staple food. The farmers mostly use local seed (grain as seed) and follow mono cropping system because of climatic conditions. Kharif crop matures late and take longer duration in the field for harvest. It delays the sowing of wheat crop resulting in low residual moisture hence poor germination of seed weed infestation is high and fertilizer use is also imbalance due poor resource conditions .	PRA tools, Group discussion, Diagnostic field visit & Exploratory survey	All three Developmental Block
Singrauli	Low productivity of Paddy:- Paddy occupies second largest area in the district. It is the major food crop. Upland paddy occupies maximum area. By and large sowing is done through broadcasting. Factors responsible for poor yield are:- Poor fertility status, Use of grain as seed, Little or imbalance use of fertilizers, Heavy weed infestation High incidence of pest and diseases Moisture stress during crop growth period	PRA tools, Group discussion, Diagnostic field visit & Exploratory survey	All three Developmental Block
Singrauli	Low yield of pulses:- The common pulse crops grown in the district are black gram, red gram in Kharif season and chickpea in Rabi. Infect chickpea is the major pulse crop. The main factor responsible for low productivity of pulses crop are:- Poor Soil fertility, Unavailability and non use culture, Improper sowing time and intercultural operations, Occurrence of moisture stress during critical growth stages of the crop, High incidence of pest and disease particularly YVMV in black gram wilt in red gram and Chick pea, high incidence of pod borer in Pigeon pea and Chick pea . Use of degenerated seed, Rain fed farming, Heavy infestation of weeds	PRA tools, Group discussion, Diagnostic field visit & Exploratory survey	All three Developmental Block

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	Unawareness about the new HYV's of pulse crop suitable for locality .		
Singrauli	Low yield of Oilseeds:- The common oilseed crops grown in the district are sesame in Kharif season and mustard and linseed in Rabi. Infect sesame is the major oilseed crop. The main factor responsible for low productivity of oilseed crops are:-	PRA tools, Group discussion, Diagnostic field visit & Exploratory survey	All three Developmental Block
	Poor Soil fertility,		
	Unavailability and non use culture,		
	Improper sowing method and sowing time.		
	Lack of intercultural operations.		
	Occurrence of moisture stress during critical growth stages of the crop,		
	High incidence of pest and diseases		
	Use of degenerated seed,		
	Rain fed farming,		
	Heavy infestation of weeds,		
Singrauli	Poor Horticultural Development:- Fruit culture can be remunerative enterprise in view of easily availability of market and demand. However, in the district there are no commercial orchards except some scattered local fruit trees of mango, guava, aonla, Jackfruit being grown near houses in scattered manner. Inadequate quantity and poor quality of fruits do not make scope for marketing there are only few farmers having mango., orchards in compact blocks, . Cultivation of vegetable is mainly practice for home consumption. in most parts of the district except Waidhan block where the farmers are practicing vegetable on commercial scale. Despite tremendous potentiality and market demand the farmers are not able to take flower cultivation because of In adequate knowledge of the technology as well as the resource poor ness. The reasons are as follows:-	PRA tools, Group discussion, Diagnostic field visit & Exploratory survey	All three Developmental Block
	Lack of irrigation facilities,		
	Low fertility		
	Inadequate moisture holding capacity of the soil.,		
Singrauli	Low productive animals:- Most of the live stock population in the district are	PRA tools, Group discussion,	All three

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	of low genetic potential, thus, the milk production is very low. The poor health of the live stock is another factor responsible for low productivity. The factors responsible are as.	Diagnostic field visit & Exploratory survey	Developmental Block
	Lack of improved breeds of animals		
	Unawareness about the Artificial insemination		
	Non availability of green fodder		
	Improper management		
	Open grazing.		

2. On Farm Testing (OFT)

2.1.1 Information about OFT:

Title of on-farm trial:	Assessment of IPM modules for safe seed storage of high value pulses
Year/Season:	2020/ Summer
Farming situation:	-
Problem diagnosis:	High infestation of storage insect in stored grains resulted in 35-40 % grain damage
Thematic area:	IPM
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmer practices (mix wood ash @5% with pulse grain during storage)
T2 –Recommended Practice-	Seed storage at 10% moisture + use of dried neem leaves +EBD 1 empule/q seed
T3- Recommended Practice-	Seed storage at 10% moisture + Mix neem oil @ 2-5 ml/kg seed + stored in polylined bag
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, Jabalpur- 2005/ IIPR, Kanpur-2007
Characteristics of technology:	Highly effective for management of Store grain pest in pulses and reduces up to 90 % insect

	infestation.
Name of Crop/Enterprises:	Pulse
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	% Damage	% decrease in damage,	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.1.2 Information about OFT:

Title of on-farm trial:	Assessment of vegetable intercropping in transplanted pigeonpea for ensuring higher return and minimizing risk due to adverse climate
Year/Season:	2020/ Kharif
Farming situation:	Rainfed
Problem diagnosis:	Poor yield stability and low return from pigeonpea due to adverse climatic condition
Thematic area:	Resource Conservation Management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Sole crop of broad costing pigeonpea
T2 –Recommended Practice-	Sole crop of transplant pigenpea (5 x 3 feet)
T3- Recommended Practice-	Transplanted pigeonpea + Cowpea (1:2)

Date of sowing:	12-15 July,2020
Date of harvesting:	-
Source of technology:	UAS, Dharwar, 2008
Characteristics of technology:	Enhance farm income up to 40% over sole crop of Pigeon pea
Name of Crop/Enterprises:	Pigeon pea + Cowpea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Yield (qt./ ha)	Increase in Yield (q/ha)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.1.3 Information about OFT:

Title of on-farm trial:	Assessment of integrate management module for MYMV in blackgram under blackgram – wheat cropping system
Year/Season:	2020/ Kharif
Farming situation:	Rainfed
Problem diagnosis:	Low yield (469 kg/ha) of black gram due to sever infestation (up to 75%) of MYMV disease in 8000 ha area
Thematic area:	IDM
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of degenerated seeds of old and susceptible variety of blackgram (T-9)

T2 –Recommended Practice-	Tolerant variety (Shakher-2) + seed treatment (carboxin- 37.5%@3g.+Thiomethaxam-75WG@5G/KG Seed +early removal of infected plant + spray of Imidachloprid -17.8 SL @ 125 ML/HA AT 30 DAS and NSKE @ 5% at 45 DAS
T3- Recommended Practice-	Tolerant variety (Shakher-20 + Seed treatment (carboxin- 37.5%@3g.+Thiomethaxam-75WG@5G/KG Seed +bund sanitation and spray of Imidachloprid @ 0.03ml/lit. At 20 DAS on bunds + tow foliar spray of NSKE @ 5% at 45 + Need based spray of Imidachloprid @ 125ml/ha at 60 das
Date of sowing:	12-15 July,2020
Date of harvesting:	-
Source of technology:	IIPR, Kanpur , 2009
Characteristics of technology:	Reduced up to 90 % YMV incidence and increases 40 % yield over farmer's practices.
Name of Crop/Enterprises:	Blackgram
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Yield (qt./ ha)	Disease incidence (%)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.1.4 Information about OFT:

Title of on-farm trial:	To assess the efficacy of Integrated management modules for Bacterial leaf blight in Paddy – Wheat cropping system
Year/Season:	2020/ Kharif
Farming situation:	Rainfed
Problem diagnosis:	Heavy yield loss (up to 40%) in Paddy due to sever incidence (up to 45%) of Bacterial leaf blight in 2350 ha area

Thematic area:	IDM
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	One spray of Stretocyclin @ 250 ppm after severe infection
T2 –Recommended Practice-	JR-18 + Seed treatment through soaking of seed in solution of Agrimycin – 100 @ 0.025% and Copper sulphate @0.1% for 8 hr + Avoid clipping seedling tip during transplanting + RDF (Apply nitrogen in three split dose i.e. 50% as Basal, 25% at tillering phase and 25% at panicle initiation
T3- Recommended Practice-	T ₂ + Two foliar spray of 2% fresh cow dung extract at 15 days interval on early onset of disease (dissolve 20g in one lit. of water, allow to settle and filter
Date of sowing:	10-15 July,2020
Date of harvesting:	-
Source of technology:	DRR, Hyderabad, 2006/ TNAU, 2010
Characteristics of technology:	Technologies are highly effective against Bacterial leaf blight in Paddy and reduces up to 80 % disease incidence
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Yield (qt./ ha)	Disease incidence (%)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.1.5 Information about OFT:

Title of on-farm trial:	Assessment of Bio Waste Decomposer on decomposition of crop residues
Year/Season:	2020/ Kharif(Round the year excluding the period from July to September 2020-21)
Farming situation:	Rainfed
Problem diagnosis:	No use of bio decomposer and create pollution through burn of residue
Thematic area:	Resources conservation Technology
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmer Practices (Decomposition of crop residue in open hip)
T2 –Recommended Practice-	For Bio waste Decomposer of NCOF Ghziabad 1. Mass Multiplication M ❖ Mix 2 kg of jiggery in 200 liter of water in a container and stir well. ❖ Open the bottle and pour the contents of bottle into the solution (avoid direct contact of contents with hands) Stir the contents of the container and cover it with a paper/carboard etc and stir it daily once within 4 days the material is ready
T3- Recommended Practice-	For Bio Decomposer of JNKVV Mix 500 ml Bio Decomposer (Bacterial base) and 500 ml Bio decomposer
Date of sowing:	July,2020
Date of harvesting:	-
Source of technology:	NCOF, Ghaziabad , 2017 and JNKVV, Jabalpur 2016-17
Characteristics of technology:	1. 20 g. Bio waste decomposer develop by NCOF, Ghaziabad is able to decomposer sufficient to decompose 200 tonnes of waste in 30 days. 2. Consortium of 500 ml Bio decomposer (<i>Bacterial base</i>) and 500 ml Bio decomposer (<i>Fungal base</i>) for 1 tons of

	raw material along with sufficient moisture within 45 to 60 days.
Name of Crop/Enterprises:	Bio waste Decomposer
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Number of days are required for decomposition (Days)	Organic carbon (%), Nutrient content N,P,K (%)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.1.6 Information about OFT:

Title of on-farm trial:	To assess the organic component for pod borer management in chickpea
Year/Season:	2020/ Rabi
Farming situation:	Rainfed
Problem diagnosis:	Heavy yield loss (up to 50%) in chickpea due to severe infestation (50-70%) of pod borer
Thematic area:	IPM
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	

T1 – Farmers Practice-	Spray of Profenophos-50EC@ 2.5ml/lit. after severe infestation of pod borer
T2 –Recommended Practice-	Bird perches @ 50/ ha + Two spray of beauveria bassiana @ 1000ml/ha at 45 and 75DAS
T3- Recommended Practice-	Grow marigold as border crop (2 row) + Coriander as trap crop (10:1) + bird perches @ 50/ha + spray pf beauveria bassiana @ 1000ml/ha + neem oil @ 0.5% at ETL
Date of sowing:	20-25 October,2020
Date of harvesting:	-
Source of technology:	JNKVV, Jabalpur- 2015
Characteristics of technology:	<i>Beauveria bassiana</i> act as mycoparasite on lepidopteron insects and neem oil as bio insecticide on different insects and effectively reduced pod borer population
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Yield (qt./ ha)	Insect infestation (%)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.2. Information about Extension OFT:

Title	
Season & Year	
Problem identified	
Thematic Area	

Farming situation	
Name of Technology under study	
Farmers Practice	
No. of replication (Farmers)	

Results / findings

Performance indicators/ parameters	Unit/ details

2.3.1. Information about Home Science OFT:

Title of on-farm trial:	Assessment of performance on efficiency of farm women during harvesting of crops by serrated sickles.
Year/Season:	2020/ Rabi
Problem diagnosis:	Low efficiency of farm women in traditional sickles harvesting
Thematic area:	Drudgery Reduction
No of trials:	05
No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Traditional sickles
T2 –Recommended Practice-	Serrated sickles
Source of technology:	CIAE, Bhopal, 2005
Characteristics of technology:	-
Name of Crop/Enterprises:	-
Farming situation:	-
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-

Recommendations for Deptt. Personnel	-
Feedback	-

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

2.3.2. Information about Home Science OFT: Income Generation

Title of on-farm trial:	Assessment of improved nursery management for income generation
Year/Season:	2020/Kharif
Problem diagnosis:	Low income of farm women involved in traditional method for nursery raising
Thematic area:	Income Generation
No of trials:	05
No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Use of flat bed nursery management
T2 –Recommended Practice-	Raising of Hybrid vegetable seedling in LDPE Portray/seedling tray (98 slots)
Source of technology:	IIHR & IARI 2014
Characteristics of technology:	Sustainable, eco-friendly and economic
Name of Crop/Enterprises:	Vegetables
Farming situation:	Rainfed
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-

Recommendations for Deptt. Personnel	-
Feedback	-

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

2.3.3. Information about Home Science OFT: Nutritional Security

Title of on-farm trial:	Assessment of nutritional security through biofortified CR Dhan 310
Year/Season:	2020/kharif
Problem diagnosis:	Food and nutritional insecurity of farm women due to lack of nutrition
Thematic area:	Nutritional security
No of trials:	05
No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	

T1 – Farmers Practice-	-
T2 –Recommended Practice-	Biofortified CR Dhan 310
Source of technology:	ICAR-NRRI, Cuttack, Odisha, 2016
Characteristics of technology:	Contain higher protein as compared to other popular variety
Name of Crop/Enterprises:	Biofortified CR Dhan 310
Farming situation:	Rainfed
Date of sowing:	After 20 June 2020
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

D) Economic Performance Home Science OFT: (For Nutritional security)

2.3.4. Information about Home Science OFT: Nutrition Security

Title of on-farm trial:	Assessment of value added products from mahua flower for nutritional security
Year/Season:	2020/Rabi
Problem diagnosis:	Due to lack of awareness mahua flower are not used in daily food habits
Thematic area:	Nutritional security
No of trials:	05
No. of farmers/farm women involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	-
T2 –Recommended Practice-	Value added products of mahua
Source of technology:	-
Characteristics of technology:	Mahua is rich source of protein, calcium, phosphorus, iron and vitamin -C
Name of Crop/Enterprises:	Madhuca longifoliya
Farming situation:	-

Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m))))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

2.4.1. Information about Animal Science OFT:

Title of on-farm trial:	Assessment of production and feeding of hydroponics fodder of maize for dairy animals
Year/Season:	Kharif / 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low milk production due to unavailability of green fodder in summer due to scarcity of water
Thematic area:	Feed Management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of Green fodder
T2 –Recommended Practice-	Hydroponics green fodder @25 kg per animal per day

T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	-
Source of technology:	CCARI,GOA 2011
Characteristics of technology:	It is soil less methods of green fodder production, required 200% less area and produce highly proteineous green fodder with 7-10 days
Name of Enterprises:	Hydroponic Maize as Green fodder
Recommendations for Farmers	
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Yield of fodder (qt./unit area)	Milk production (lit. /day/ animal)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.4.2. Information about Animal Science OFT:

Title of on-farm trial:	Assessment of Azolla feeding as green fodder on milk production in dairy Cow
Year/Season:	2020-2021
Farming situation:	Irrigated
Problem diagnosis:	Low milk production from cow due to unavailability of green fodder
Thematic area:	Feed Management
No of trials:	10

No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Feeding of cow with wheat and Paddy straw without supplementation of green fodder
T2 –Recommended Practice-	T ₁ + Azolla @ 1.5 Kg /animal/day
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	-
Source of technology:	NDRI KARNAL , 2008
Characteristics of technology:	Rich in proteins, essential amino acids, vitamins (vitamin A, vitamin B12 and Beta- Carotene), growth promoter and minerals like Ca, P, K, Fe, Cu, Mg
Name of Enterprises:	Azolla as Green fodder
Recommendations for Farmers	
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Milk production (lit. /day/ animal)	Increase in Milk production (%)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.4.3. Information about Animal Science OFT:

Title of on-farm trial:	Assessment of around the year green fodder availability on milk production in dairy Cow
Year/Season:	2020-2021

Farming situation:	Irrigated
Problem diagnosis:	Low milk production from cow due to unavailability of green fodder
Thematic area:	Feed Management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Feeding of cow with wheat and Paddy straw without supplementation of green fodder
T2 –Recommended Practice-	NB hybrid (IGFR1-6) + inter crop with cowpea during kharif and Berseem during Rabi
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	-
Source of technology:	IGFR1, Jhansi, 2012
Characteristics of technology:	Technology can supply round the year good quality green fodder (cereal : legume , 67:33 0 which can sustain 8-10 ACU per ha.
Name of Enterprises:	Year around green fodder production
Recommendations for Farmers	
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Green fodder yield (qt./ unit area)	Milk production (lit. /day/ animal)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.4.4. Information about Animal Science OFT:

Title of on-farm trial:	Assessment of Thorn less cactus as green fodder for milch cattle
Year/Season:	2020-2021
Farming situation:	Rainfed
Problem diagnosis:	Low milk production from cow due to unavailability of green fodder during summer season.
Thematic area:	Feed Management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of dry fodder (Straw @ 2-3 kg/ day / Cattle)
T2 –Recommended Practice-	Thorn less cactus used as green fodder with straw @ 1:3 ratio per day per Cattle
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	-
Source of technology:	IGFRI, Jhasi, 2017
Characteristics of technology:	Thorn less cactus produced above ground biomass of 7.8 to 19.3 tonnes/ ha and contains crude protein -4.22 to 11.88 % , Crude fibre -12 to 19% and ash 15.65 to 26.15, suitable for arid region constrained by low and erratic rainfall.
Name of Enterprises:	Thorn less cactus green fodder production
Recommendations for Farmers	
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Green fodder yield (qt./ unit area)	Milk production (lit. /day/ animal)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)						

Details of technology	Green fodder yield (qt./ unit area)	Milk production (lit. /day/ animal)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T2(Recommended Practice)						
T3(Recommended Practice)						

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop to be implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Kharif ,2020	IDM	Integrated management of False smut in paddy	Rice		US-312	Irrigated	-	2.0	-	-	-	0	0	08	02	10
2020-21	Kharif , 2020	IPM	Chemical management of shoot and fruit borer in brinjal	Brinjal		Saurabh	Irrigated	-	1.0	-	-	-	0	0	10	0	10

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Rabi , 2020-21	IDM	Integrated management of TLCV in Tomato	Tomato		Abhishak-1	Irrigated		2.0	-	-	-	0	0	10	0	10
2020-21	Kharif	ICM	Cluster demonstration on Pigeon pea	Pigeon pea		Pusa-992	Rainfed		20.0	-	-	-	10	10	20	10	50
2020-21	Rabi,	ICM	Cluster demonstration on Chickpea	Chick pea		JG-12	Rainfed		20.0				0	40	10	0	50
2020-21	Rabi	ICM	Cluster demonstration on mustard	Mustard		RVM-2	Rainfed		10.0				0	0	25	0	25
2019-20	Rabi	Income Generation	Oyster Mushroom Production	Mushroom		Oyster	-	-	-				0	10	0	0	10

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Integrated management of False Smut in paddy	Rice	Yield (Qt./ ha) and insect infestation										
Chemical management of shoot and fruit borer in brinjal	Brinjal	Yield (Qt./ ha), insect infestation										
Integrated management of TLCV in Tomato	Tomato	Yield (Qt./ ha) and disease incidence										
Cluster demonstration on Pigeon pea	Pigeon pea	Yield (qt./ ha)										
Cluster demonstration on Chickpea	Chick pea	Yield (qt./ ha)										
Cluster demonstration on mustard	Mustard	Yield (qt./ ha)										
Oyster Mushroom Production	Mushroom	Yield (Kg./ Bag)										

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020: Nil

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed /Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.4 Economic Impact of Agriculture Engineering FLD: Nil

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

Year	Season	Thematic area	Technology demonstrated	Enterprise Category	Name of Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Kharif , 2020	Disease management	Piprazine @ 30 ml / calf at 1 st and IV rd week of age	Buffalo	Deworming of Buffalo calf	-	-		50 (10X5)	-	-	-	0	0	5	5	10

Year	Season	Thematic area	Technology demonstrated	Enterprise Category	Name of Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020-21	Rabi , 2020	Feed and Disease management	Mineral mixture @ 40 g/ day/ animal	Cow	Balance feed management	-	-		50 (10X5)	-	-	-	0	0	5	5	10
2020-21	Kharif, 2020	Disease management	Piprazine @ 30 ml / Goat	Goat	Deworming of Goat	-	-		50 (10X5)	-	-	-	10	0	0	0	10
2020-21	Round The Year	Poultry Management	Egg production	Poultry	Kadaknath	-			25/ Farmers	-	-	-	2	3	5	0	10

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Piprazine @ 30 ml / calf at 1 st and IV rd week of age	Buffalo	% calf mortality										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Mineral mixture @ 40 g/ day/ animal	Cow	Milk yield (Lit./day/ animal)										
Piprazine @ 30 ml / Goat	Goat	% increase in body weight										
Egg production / Poultry	Poultry	Egg Production/bird/year										

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020: Nil

Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/ Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.8 Economic Impact of fishery FLD: Nil

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	Income Generation	Demonstration of marigold for income generation of Women empowerment	Marigold	Pusa Narangi (Pusa deep and pusa bahar)	1.0	-	-	-	03	05	02	0	10
2020	Round year	Nutritional Security	Demonstration of backyard nutritional kitchen garden	Vegetables and fruits	-		-	-	-	05	05	05	0	15

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Summer	Income Generation	Demonstration of income generation through processing and value addition of minor millets	Kodo & Kutki Millet	-	-	-	-	-	03	05	02	0	10
2020	Rabi	Income Generation	Demonstration of income generation of farm Women from vermi compost production	Earth worm	<i>Isinia fotida</i>	-	-	-	-	05	05	05	0	15

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (Income Generation)

Technology demonstrated	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Demonstration of marigold for income generation of Women empowerment										
Demonstration of income generation of farm Women from vermi compost production										
Demonstration of income generation through processing and value addition of minor millets										

Economic Performance Home Science FLD: (For value addition)

Technology demonstrated	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Demonstration of backyard nutritional kitchen garden																		

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities to be organized	Number of participants	Remarks
Singrauli	Pigeonpea,Chickpea,Mustard	Field days	05	150	
Singrauli	Tomato, Rice, Chickpea, Brinjal,	Farmers Training	10	200	
Singrauli	As per need	Media coverage	As per need	-	
Singrauli		Training for extension functionaries	03	60	

3.11 Details of FLD on crop hybrids.: Nil

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System
4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.: Nil

Name of KVK	Feedback basic of OFT on Technology Tested

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Singrauli	Farmers & Farm women	Diagonistic feild visit & PRA	4-5, January, 2020, KVK	25
Singrauli	Farmers & Farm women	Group Discussion & PRA tooles	16 &17 January, 2020, Tinguri	25
Singrauli	Farmers & Farm women	Exploratory survey & PRA tooles	4-5 Febraury,2020 , Majhauli	25
Singrauli	Farmers & Farm women	Diagonistic feild visit & PRA	12-13 Febuary, 2020,KVK	25
Singrauli	Farmers & Farm women	Group discussion & PRA tooles	1-2 March,2020, KVK	20
Singrauli	Farmers & Farm women	Exploratory survey & PRA tooles	7-8 March , 2020, KVK	25
Singrauli	Farm women	Exploratory survey & PRA tooles	8-9 March, 2020, KVK	20
Singrauli	Farmers & Farm women	Diagonistic feild visit & PRA	19-20April , 2020, KVK	20
Singrauli	Farmers & Farm women	Group discussion & PRA tools	23-24April 6, 2020, KVK	20
Singrauli	Farmers & Farm women	Group discussion ,& PRA tools	3-4 , May, 2020 Bihara	25
Singrauli	Farmers & Farm women	Diagonistic feild visit & PRA	14-15 May, 2020, Kam	25
Singrauli	Farmers & Farm women	Group discussion & PRA tooles	18-19 June, 2020, Siddhikala	25
Singrauli	Farmers & Farm women	Exploratory survey & PRA tooles	21-22, June, 2020, KVK	25
Singrauli	Farmers & Farm women	Group discussion & PRA tooles	5-6 July, 2020, Ogdadi	25
Singrauli	Farmers & Farm women	Diagonistic feild visit & PRA	17-18 July, 2020, Betahadad	25
Singrauli	In-Service Personnel's	Group discussion & PRA tooles	23-24, July, 2020, KVK	25
Singrauli	Farmers & Farm women	Group discussion & PRA tooles	8-9 August , 2020, Malgo	25
Singrauli	Farmers & Farm women	Group discussion & PRA tooles	13-14 August, 2020, Dharauli	25
Singrauli	Farmers & Farm women	Diagonistic feild visit & PRA	10-11, September, 2020, Karami	25
Singrauli	Farmers & Farm women	Group discussion & PRA tooles	19-20, September, 2020, Deora	25
Singrauli	Farmers & Farm women	Exploratory survey & PRA tooles	03-04 October, 2020, Kasar	25
Singrauli	Farmers & Farm women	Diagonistic feild visit & PRA	11-12 October, 2020, KVK	20
Singrauli	Farmers & Farm women	Diagonistic feild visit & PRA	13-14 November, 2020, Garabahara,	25
Singrauli	Farmers & Farm women	Diagonistic feild visit & PRA	27-28, November,2020, Khanuwakhas	25
Singrauli	Farmers & Farm women	Exploratory survey & PRA tooles	12-13 December, 2020, KVK	20

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Singrauli	Farmers & Farm women	Exploratory survey & PRA tools	19-20 December, 2020, Rajmilan	25
Singrauli	Farmers & Farm women	Exploratory survey & PRA tools	21-22, April , 2020, Chitarwai kalan	25
Singrauli	Farmers & Farm women	Exploratory survey & PRA tools	3-4, May , 2020 , Bihara	25
Singrauli	Farmers & Farm women	Exploratory survey & PRA tools	10-11, June , 2020, Kam	25
Singrauli	Farmers & Farm women	Exploratory survey & PRA tools	10-11 July , 2020, Birkuniya	25
Singrauli	Farmers & Farm women	Exploratory survey & PRA tools	13-14, Aug. , 2020, Daga	20
Singrauli	Farmers & Farm women	Exploratory survey & PRA tools	11-12, Sept. , 2020, Daga	25
Singrauli	Farmers & Farm women	Exploratory survey & PRA tools	10-11 October, 2020, Karella	25
Singrauli	Farmers & Farm women	Exploratory survey & PRA tools	13-14, November, 2020, Persohar	25
Singrauli	Farmers & Farm women	Exploratory survey & PRA tools	19-20, December , 2020, KVK	20
Singrauli	Farmers & Farm women	Exploratory survey & PRA tools	23-24, December , 2020, KVK	20
Singrauli	Rural youth	Exploratory survey & PRA tools	15-25 , August, 2020, KVK	20
Singrauli	Rural Youth	Exploratory survey & PRA tools	06-10, October, 2020, KVK	20
Singrauli	Rural Youth	Exploratory survey & PRA tools	10-17 , August, 2020, KVK	20
Singrauli	Rural Youth	Exploratory survey & PRA tools	20-26, October, 2020, KVK	20
Singrauli	Rural Youth	Exploratory survey & PRA tools	1-15 June, 2020, KVK	20
Singrauli	Rural Youth	Exploratory survey & PRA tools	1-15 October, 2020, KVK	20
Singrauli	Rural Youth	Exploratory survey & PRA tools	12-19 December, 2020, KVK	20
Singrauli	In –Service	Exploratory survey & PRA tools	5-6 , May, 2020, KVK	25
Singrauli	In- Service	Exploratory survey & PRA tools	8-9, September, 2020, KVK	25
Singrauli	In – Service	Exploratory survey & PRA tools	8-9 May, 2020, KVK	25
Singrauli	In – Service	Exploratory survey & PRA tools	12-13 September, 2020	25
Singrauli	In- Service	Exploratory survey & PRA tools	23-24, June, 2020, KVK	25
Singrauli	In- Service	Exploratory survey & PRA tools	23-24 , October, 2020, KVK	25

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW		Crop Production	Resource Conservation Technologies	System of Pigeon pea intensification with inter cropping	01	02	5	0	8	0	12	0	0	0
FW		Crop Production	Weed Management	Integrated weed management in Rabi crops	01	02	5	0	8	0	12	0	0	0
FW		Crop Production	Integrated nutrient Management	Integrated Nutrient management in kharif crops	01	02	5	0	8	0	12	0	0	0
FW		Livestock Production and Management	Poultry Management	Care and Management of live stock & Poultry in winter season	01	02	05	0	5	0	8	2	5	0
FW			Animal Nutrition Management	Use and Importance of Mineral Mixture in animals ration	01	02	05	0	5	0	8	2	5	0
FW		Livestock Production and Management	Feed and Fodder Management	Preparation of Balanced ration	01	02	05	0	5	0	8	2	5	0
FW			Animal Nutrition Management	Care Management of animal in summer season	01	02	05	0	5	0	8	2	5	0
FW		Livestock Production and Management	Feed and Fodder Management	Importance of feeding By Pass protein on milk production in dairy cattle and buffaloes	01	05	05	0	5	0	8	2	5	0

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW			Disease management	Management of Ecto and Endo parasites in dairy buffaloes	01	07	05	0	5	0	8	2	5	0
FW		Livestock Production and Management	Feed and Fodder Management	Round the year green fodder and its importance in milk production	01	02	05	0	5	0	8	2	5	0
FW			Disease management	Prevention and control of important diseases of dairy animals	01	02	05	0	5	0	8	2	5	0
FW		Livestock Production and Management	Feed and Fodder Management	Importance of Balance feeding and preparation of balance feed from locally available feeding ingredients	01	02	05	0	5	0	8	2	5	0
FW			Poultry management	Care & Management of Poultry	01	02	05	0	5	0	8	2	5	0
FW		Livestock Production and Management	Animal Nutrition Management	Management of minerals deficiency through mineralized salt brick in buffaloes	01	02	05	0	5	0	8	2	5	0
FW			Animal Nutrition Management	Importance of feeding chelated calcium supplement in dairy buffaloes	01	02	05	0	5	0	8	2	5	0
FW		Livestock Production and Management	Animal Nutrition Management	Recent advances in fodder production and management in dairy animals	01	02	05	0	5	0	8	2	5	0

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW			Dairy management	Care and Management of newly born calves	01	02	05	0	5	0	8	2	5	0
FW		Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Utility and importance of nutritional kitchen garden in human health	1	2	0	2	0	10	0	10	0	5
FW		Home Science/Women empowerment	Design and development of low/minimum cost diet	Preparation of weaning food	1	2	0	0	0	5	0	15	0	5
FW		Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Preparation of balance diet for anemic children.	1	2	0	3	0	5	0	8	0	5
FW		Home Science/Women empowerment	Minimization of nutrient loss in processing		1	2	0	2	0	5	0	8	0	5
FW		Home Science/Women empowerment	Processing & cooking	Value added products from minor millets	1	2	0	2	0	3	0	10	0	5
FW		Home Science/Women empowerment	Gender mainstreaming through SHGs	Capacity building of farm women entrepreneurship development through SHG	1	2	0	0	0	10	0	10	0	5
FW		Home Science/Women empowerment	Storage loss minimization techniques	Role of zero energy cool chamber in vegetable storage	1	2	0	5	0	5	0	5	0	5
FW		Home Science/Women	Value addition	Value addition in mahua	1	2	0	0	0	5	0	15	0	0

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		empowerment												
FW		Home Science/Women empowerment	Women empowerment	Production of vegetable nursery	1	2	0	2	0	3	0	5	0	10
FW		Home Science/Women empowerment	Location specific drudgery reduction technologies	Use and importance of serrated sickles in wheat harvesting	1	2	0	0	0	5	0	10	0	5
FW		Home Science/Women empowerment	Rural Crafts											
FW		Home Science/Women empowerment	Women and child care	Preparation of balance diet for pregnant women and lactating mother	1	2		3	0	3	0	4	0	10
FW		Plant Protection	Integrated Pest Management	Effective, Economic and Ecofriendly management techniques for pod borer in Gram	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Disease Management	Improved management techniques for early & late blight in Potato & Tomato	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Pest Management	Integrated management of store grain pest of high value pulse crops	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Disease Management	Role of Plant Nutrients in Disease and insect management	02	02	06	0	4	2	5	3	5	0

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW		Plant Protection	Integrated Disease Management	Role of different resistant varieties against major Diseases and insects of major kharif crops	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Biological Disease management	Importance , rate and methods of application of Trichoderma, Bacillus and Psudomonas as bioagents for management of soil borne diseases in Kharif crops	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Disease Management	Integrated management of Yellow mosaic disease in Black gram and Green gram.	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Disease Management	Improved management techniques for BLB, false Smut and Sheath blight in Rice	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Pest Management	Improved Management techniques for BPH, stem borer and Gall midge in rice	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Disease Management	Integrated disease management in Chili and kharif Tomato	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Disease Management	Integrated disease management in nursery of	02	02	06	0	4	2	5	3	5	0

Category (F & FW/ FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				Solanecious crops										
FW		Plant Protection	Integrated Disease Management	Integrated Management TLCV in Tomato	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Disease Management	Integrated management of Alternaria blight in Mustard	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Disease Management	Integrated management of Leaf blight complex in Wheat	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Disease Management	Role of Plant Nutrients in Disease and insect management in Rabi crops	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Pest Management	Role of different resistant varieties against major Diseases and insects of major Rabicrops	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Pest Management	Effective, Economic and Ecofriendly management techniques for pod borer in Gram	02	02	06	0	4	2	5	3	5	0
FW		Plant Protection	Integrated Disease Management	Improved management techniques for early & late blight in Potato & Tomato	02	02	06	0	4	2	5	3	5	0

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Name of KVK	Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Singrauli	RY		Mushroom Production	Production of Oyster mushroom Production	02	05	02	0	2	0	10	02	4	0
Singrauli	RY		Sheep and Goat rearing	Goat farming a profitable enterprises	01	02	03	0	2	0	6	0	9	0
Singrauli	RY		Poultry production	Rearing of Colour Birds (Kadaknath & Narmada Nidhi)	01	03	03	0	2	0	6	0	9	0
Singrauli	RY		Value addition	Value addition of locally available fruits and vegetables	01	03	0	04	0	05	0	05	0	06

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
IS		Productivity enhancement in field crops	Weed management technology in kharif crops	01	02	10	0	02	0	5	0	8	0
IS		Integrated Pest Management	Integrated Disease management in Kharif pulse and Oilseeds	01	02	10	0	02	0	5	0	8	0
IS		Integrated Pest management	Integrated Insect management in rabi pulse and Oilseeds	01	02	10	0	02	0	5	0	8	0
IS		Gender mainstreaming through SHGs											
IS		Formation and Management of SHGs											
IS		Women and Child care	Balance diet for pregnant and	01	02	0	0	0	05	0	10	0	05

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
			lactating mother										
IS		Low cost and nutrient efficient diet designing											
IS		Group Dynamics and farmers organization											
IS		Household food security	Role of Kitchen gardening in nutritional security	01	02	0	0	0	05	0	10	0	05
IS		Others(Pl. Specify)											

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs for Migrants

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Crop production and management	Seed Production	Seed production Technology	Cereals and Pulses	Seed production	01	05	5	0	5	0	5	0	5	0
Post harvest technology and value addition	Value addition	Badi making	-	Income generation	01	05	0	3	0	5	0	5	0	7
Livestock and fisheries	Poultry farming	Poultry enterprenurship	Poultry	Income generation	01	30	5	0	2	0	5	03	5	0
Income generation activities	Vermi-composting	Vermi composting	Vermicompost	Income generation activities	01	30	5	0	2	0	5	03	5	0
Income generation activities	Mushroom Production	Oyster mushroom production	Oyster mushroom	Income generation activities	01	05	5	0	5	0	5	0	5	0
Post harvest technology and value addition	Value addition	Preparation of Potato chips and	Potato	Income generation	01	03	0	5	0	5	0	5	0	5

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Papad		activities										
Livestock and fisheries	Goat farming	Goatry	Goat	Income generation activities	01	05	5	0	5	0	5	0	5	0

Table 5.5. Sponsored Training Programmes

Client (F &FW/FW / RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Oth		SC		ST			
							M	F	M	F	M	F	M	F		
FW		Home Science	Household nutritional security		02	01										
FW		Home Science	Economic empowerment of women		02	01										
FW		Home Science	Drudgery reduction of women		02	01										
FW		Home Science	Others(Pl. Specify)		02	01										

Table 5.6. Details of training programme conducted for livelihood security of Migrants in rural areas by the KVKs

Training title	Self employed after training			Number of persons employed elsewhere
	Type of units	Number of units	Number of persons employed	
Seed production Technology	-	-	-	-
Badi making				
Poultry enterprenurship				
Vermi composting				

Training title	Self employed after training			Number of persons employed else where
	Type of units	Number of units	Number of persons employed	
Oyster mushroom production				
Preparation of Potato chips and Papad				
Goatry				

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	03	60
Design and development of low/minimum cost diet	01	25
Designing and development for high nutrient efficiency diet	01	25
Minimization of nutrient loss in processing	01	25
Processing and cooking	01	25
Gender mainstreaming through SHGs	01	25
Storage loss minimization techniques	01	25
Value addition	02	50
Women empowerment	02	50
Location specific drudgery reduction technologies	01	25
Rural Crafts	-	-
Women and child care	01	25
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	-	-

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Crop Production	04	80
Horticulture	0	0
Soil Health and Fertility Management	0	0
Livestock Production and Management	17	425
Agril. Engineering	0	0
Plant Protection	21	525
Fisheries	0	0
Production of Input at site	0	0
Capacity Building and Group Dynamics	0	0
Agro forestry	0	0

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
System of Pigeon pea intensification with inter cropping	25									
Integrated weed management in Rabi crops	25									

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Integrated Nutrient management in kharif crops	25									
Care and Management of live stock & Poultry in winter season	25									
Use and Importance of Mineral Mixture in animals ration	25									
Preparation of Balanced ration	25									
Care Management of animal in summer season	25									
Importance of feeding By Pass protien on milk production in dairy cattle and buffaloes	25									

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Management of Ecto and Endo parasites in dairy buffaloes	25									
Round the year green fodder and its importance in milk production	25									
Prevention and control of important diseases of dairy animals	25									
Importance of Balance feeding and preparation of balance feed from locally available feeding ingredients	25									
Care & Management of Poultry	25									

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Management of minerals deficiency through mineralized salt brick in buffaloes	25									
Importance of feeding chelated calcium supplement in dairy buffaloes	25									
Recent advances in fodder production and management in dairy animals	25									
Care and Management of newly born calves	25									
Utility and importance of nutritional kitchen garden in human health	25									
Preparation of weaning food	25									

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Preparation of balance diet for anemic children.	21									
Value added products from minor millets	20									
Capacity building of farm women entrepreneurship development through SHG	25									
Role of zero energy cool chamber in vegetable storage	20									
Value addition in mahua	20									
Production of vegetable nursery	20									
Use and importance of serrated sickles in wheat harvesting	20									

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Preparation of balance diet for pregnant women and lactating mother	20									
Effective, Economic and Ecofriendly management techniques for pod borer in Gram	25									
Improved management techniques for early & late blight in Potato & Tomato	25									
Integrated management of store grain pest of high value pulse crops	25									
Role of Plant Nutrients in Disease and insect management	25									

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Role of different resistant varieties against major Diseases and insects of major kharif crops	25									
Importance , rate and methods of application of Trichoderma, Baccilus and Psudomonas as bioagents for management of soil borne diseases in Kharif crops	25									
Integrated management of Yellow mosaic disease in Black gram and Green gram.	25									

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Improved management techniques for BLB, false Smut, and Sheath blight in Rice	25									
Improved Management techniques for BPH, stem borer and Gall midge in rice	25									
Integrated disease management in Chili and kharif Tomato	25									
Integrated disease management in nursery of Solanaceous crops	25									
Integrated Management TLCV in Tomato	25									

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Integrated management of Alternaria blight in Mustard	25									
Integrated management of Leaf blight complex in Wheat	25									
Role of Plant Nutrients in Disease and insect management in Rabi crops	25									
Role of different resistant varieties against major Diseases and insects of major Rabi crops	25									
Effective, Economic and Ecofriendly management techniques for pod borer in Gram	25									

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Improved management techniques for early & late blight in Potato & Tomato	25									

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Advisory Services	11											Advisory Services	11
Agri mobile clinic	0											Agri mobile clinic	0
Animal Health Camp	05											Animal Health Camp	05
Awareness programme	02											Awareness programme	02
Celebration of important days	05											Celebration of important days	05
Diagnostic visits	11											Diagnostic visits	11
Exhibition	05											Exhibition	05
Exposure visits	0											Exposure visits	0
Extension Literature	05											Extension Literature	05
Ex-trainees Sammelan	02											Ex-trainees	02

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
												Sammelan	
Farm advisory Services	10											Farm advisory Services	10
Farm Science Club conveners meet	10											Farm Science Club conveners meet	10
Farmers Seminar/Workshop	01											Farmers Seminar/Workshop	01
Farmers visit to KVK	10											Farmers visit to KVK	10
Field Day	03											Field Day	03
Film Show	0											Film Show	0
Group meetings	03											Group meetings	03
Interface	02											Interface	02
Kharif/Rabi Sammelan	02											Kharif/Rabi Sammelan	02
Kisan Ghosthi	10											Kisan Ghosthi	10
Kisan Mela	02											Kisan Mela	02
Krishi Gyan Doot meet	05											Krishi Gyan Doot meet	05
Krishi Mahotsav	02											Krishi Mahotsav	02
Lectures delivered as resource persons	20											Lectures delivered as resource persons	20
Mahila Mandals conveners meetings	0											Mahila Mandals conveners meetings	0
Method Demonstrations	25										-	Method Demonstrations	25
Newspaper coverage	06											Newspaper coverage	06
Popular articles	06											Popular articles	06
Pradhanmantri phasal bema	12											Pradhanmantri	12

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
yojana												phasal bema yojana	

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	03			
TV talks	0			
Newspaper coverage	10			
Internet (Youtube)	0			
Social media (Whats App, Facebook, Instagram, Twitter etc.)	25			

7. Literature Developed/Published

7.1 KVK Newsletters (Jan to Dec. 2020)

Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
January to March 2020	Q1	1000	1000	Farmer, District/block/Panchayat extension Official, D.M
April to June 2020	Q2	1000	1000	Farmer, District/block/Panchayat extension Official, D.M
July to September 2020	Q3	1000	1000	Farmer, District/block/Panchayat extension Official, D.M
October to December 2020	Q4	1000	1000	Farmer, District/block/Panchayat extension Official, D.M

7.2 Literature developed/published

KVK Name	Type	Number of copies
Singrauli	Abstract	05
Singrauli	Book	02
Singrauli	Book Chapter	02

KVK Name	Type	Number of copies
Singrauli	Booklet	
Singrauli	Leaflets/ Folder/ Pamphlet	05
Singrauli	Popular article	10
Singrauli	Technical Bulletin	0
Singrauli	Training Manual	02
Singrauli	Technical Report	12
Singrauli	Year Planner	01
Singrauli	Others (pl. specify)	

Research paper /Review paper published during Jan to Dec. 2020

Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Singrauli	DVD	Oyster Mushroom production	01

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Singrauli	Cereals	Wheat	JW3288	30	60000.0	Farmers	30.0

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Singrauli	Vegetable seedlings	Vegetables	Hybrid	10000	1000	200	0.01

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Bio Fertilizers	Non Symbiotic Azotobacter					
	Vermicompost	500	-	25000	100	-
	Azolla					
	Earthworms					
	Compost					
	Blue green algae					
	NADEP					
	Sanjeevani Khad					
	Acetobacter					
	Aspergillus					
	Azotobacter					
	Azospirillum					
	Phosphate solubilizing Bacteria					
	Rhizobium					
	Other (pl. sp.)					

8.4 Livestock and fisheries production: Nil

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Dairy animals	Cow						
	Calves						
	Goats						
	Buffaloes						
	Sheep						

Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
				unit (kg/qt./liter/no)	Qty.		
Poultry	Breeding bull						
	Other (pl specify)						
	Poultry						
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
Piggery	Other						
	Piglets						
	Boar						
	Sow						
Fisheries	Other (pl specify)						
	Indian carp						
	Exotic carp						
	Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Village s covere d	Amou nt realize d	Soil health card distributed to the farmers by KVK (Nos)	
					by KVKs		By Departme nt	By KVK		By Departme nt				
	Sanctione d	Procure d	Collecte d by KVKs	Provide d by Dept./ DDA	Mini Soil Testin g kit	Soil testing laborato ry		Mini Soil Testin g kit	Soil testing laborato ry				Throug h Mini Soil Testing kit	Throug h Soil testing laborato ry
N	0	0	200	5000	0	0	5200	0	200	5000	100	0	0	5200

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Singrauli	100	100	25	0	100

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit: Nil

Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit : Nil

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Date	Title of the training course	Client	No. of Courses	No. of Participants								
				SC		ST		Other		General		Total
				Male	Female	Male	Female	Male	Female	Male	Female	
25.04.2020	Role of drip irrigation in vegetable production	Farmers and Farm women	01	10	0	10	8	12	0	10	0	50
05.05.2020	Role of drip irrigation in Fruit production	Farmers and Farm women	01	10	0	10	8	12	0	10	0	50
15.06.2020	Role of Micro	Farmers and	01	10	0	10	8	12	0	10	0	50

Date	Title of the training course	Client	No. of Courses	No. of Participants								Total
				SC		ST		Other		General		
				Male	Female	Male	Female	Male	Female	Male	Female	
	irrigation in vegetable production	Farm women										
25.08.2020	Role of drip irrigation in Crop production	Farmers and Farm women	01	10	0	10	8	12	0	10	0	50

12. Utilization of Farmers Hostel facilities : yet to be constructed

KVK Name	Months	Year	No. of trainees/ farmers/visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Singrauli						

13. Utilization of Staff Quarters facilities: Yet to be constructed

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Singrauli	Yet to be constructed				

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Singrauli	05.06.2020	16	
Singrauli	10.10.2020	16	

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Singrauli				

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology		01			
		Integrated Farming		01			
		Field Preparation		01			
		Any Other (Specify)					
2	Weather	Advisory		01			
		Change in variety					
		Change in Sowing technique		01			
		Climate forecast		01			
		Any Other (Specify)					
3	Soil Management	Soil Testing					
		INM		01			
		Fertilizer Application		01			
		Vermicomposting/ bio-waste recycling		01			
		Bio-fertilizer		01			
		Any Other (Specify)					
4	Disease & Pest Management	Disease Management		05			
		Pest Management		03			
		Preventive Advisory Disease Management		01			
		Preventive Advisory Pest Management					
		Bio-pesticides		01			
		Any Other (Specify)					
5	Nutrition Security & Women Empowerment	Nutrition Awareness		02			
		Kitchen garden		01			
		Value Addition and Processing		01			

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Drudgery Reduction		01			
		Entrepreneurship & Income Generation		01			
		Advisory		01			
		Any Other (Specify)					
6	Horticulture	Vegetable		01			
		Fruit		01			
		Hi Tech Horticulture		01			
		Any Other (Specify)					
7	Livestock	Feed and Fodder		01			
		Dairy Management		01			
		Fisheries		01			
		Poultry Management		01			
		Vaccination & Disease management		01			
		Any Other(Specify)					
8	Farm Mechanization			01			
9	Extension			01			
10	Organic Farming			01			
11	Marketing			01			
12	Awareness			01			
13	Other Enterprise			01			
14	Any Other(Specify)						

17. Status of Convergence with various agricultural schemes (Central & State sponsored) : Nil

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Singrauli						

18. Status of Contingency Utilization Jan-Dec-2020:

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Singrauli		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Singrauli				

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/National)	Awarding Organizations	Amount received
Singrauli					

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
4000	Cereals	Rice, Maize, Wheat	JR-81, PS-5, JR-283, HQPM-	

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
			1,2,3,6, GW-322. GW-366, JW-3288, JW-3382	
	Vegetables	Brinjal, Tomato, Cow pea, Onion, Cauliflower	Hybrid	
	Pulses	Blackgram, Chickpea, Lentil, Pigeonpea		
	Oilseed	Sesame, Mustard, Niger, Linseed,		
	Fruit plant	Mango, Citrus, Guava, Custard apple, jackfruit, anola		

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Singrauli	08.06.2020	50

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Singrauli	03	811	02	03	03	100

Intensive- OFTS, FLDS etc; **Extensive-** Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.: Not applicable

Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Singrauli	Sldhi	Seed	01	0	
Singrauli	Rewa	inputs	01	01	
Singrauli	Umaria	Seed	01	0	

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Singrauli						

28. Status of KVK Website during Jan to Dec. 2020

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
01	Singrauli				

29. Status of Mobile Apps developed by KVK: Yet to be developed

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Singrauli				

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
	Singrauli			

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
	Singrauli			

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Singrauli				

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Singrauli		

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Singrauli				

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Singrauli		

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Singrauli					

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Singrauli		

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
Singrauli				

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Singrauli	Gosthies	2	200	
Singrauli	Lectures organized	05	100	

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Singrauli	Exhibition	01	500	
Singrauli	Film show	05	150	
Singrauli	Fair	02	2000	
Singrauli	Farm Visit	05	100	
Singrauli	Diagnostic Practical's	As per need		
Singrauli	Distribution of Literature (No.)	4000	4000	
Singrauli	Distribution of Seed (q)	0	0	
Singrauli	Distribution of Planting materials (No.)	0	0	
Singrauli	Bio Product distribution (Kg)	0	0	
Singrauli	Bio Fertilizers (q)	120 pkt	120	
Singrauli	Distribution of fingerlings	0	0	
Singrauli	Distribution of Livestock specimen (No.)	0	0	
Singrauli	Total number of farmers visited the technology week			
Singrauli	Animal health camp	02	100	
Singrauli	Awareness programme	02	100	
Singrauli	Cashless Transaction Week			
Singrauli	Celebration of important days (Parthenium eradication week, Swachhata Abhiyan and Soil Health Day, International Women Day, National Integrity Day, World environment day, World forestry day, World Water Day)	03	300	
Singrauli	Demonstration			
Singrauli	Exposure visit	05	100	
Singrauli	Extension activity			
Singrauli	Ex-trainees Meet	01	25	
Singrauli	Farmer scientist interaction	02	100	
Singrauli	Farmers Training	02	50	
Singrauli	Field Day	01	50	
Singrauli	Field visit	05	20	

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Singrauli	Gajarghans Unmulan Pakhwada	01	50	
Singrauli	Group Meeting	01	25	
	Hindi diwas pakhwada	01	20	
	Jai Kisan Jai Vigyan Sangoshthi	01	50	

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Singrauli	Broccoli and Strawberry	Hybrid	2.0	10

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants
	Dairy Management	2	50
Singrauli	Disease management	1	25
Singrauli	Feed and fodder technology	2	50
Singrauli	Poultry management	2	50
Singrauli	Dairy Management	2	50

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Singrauli	02	500	100

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Singrauli	Rice	50.0	5000	5000
Singrauli	Maize	500	2500	25000
Singrauli	Chick pea	21.0	20.0	50
Singrauli	Mustard	0.5	10	25

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Singrauli	Tomato, Brinjal and Chilli	6000	1.0	500
Singrauli	Papaya	1000	0.4	02

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers
Singrauli	<i>Trichoderma spp.</i>	0.5	10.0	10

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Singrauli	Vermicompost	5.0	1.0	20

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Singrauli	Poly mulching in Vegetable crops	50.0	50		

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Singrauli	01	50	05	250	03	60	01	500	01	500	0	0

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village
Singrauli	Waidhan	Podi Naugai

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
SRI	Rice	10.0			
SPI + Inter cropping	Pigeon pea + Ginger	2.0			
ICM	Pigeon pea	10.0			

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Sangosthi	100	25	10	135
Diagnostic Visit	20	0	0	20
Scientist visit to farmer field	23	0	0	23
Farmer field school	20	05	02	27

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Five Trainings in Plant protection	100	15	02	117
Four trainings in Poultry and Dairy	100	25	0	125

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	Singrauli
Title	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
	Singrauli	02	01

21. KVK, Tikamgarh

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	16	80			
FLDs – Oilseeds (activity in ha)	40	100			
FLDs – Pulses (activity in ha)	40	100			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	27	250			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	4	34			
Training-Farmers and farm women	54	1500			
Training-Rural youths	37	950			
Training- Extension functionaries	7	200			
Extension Activities	29	35000			
Seed Production (Number of activity as seeds in quintal)	-	-			
Planting material (Number of activity as quantity of planting material in quintal)	12610	500			
Seedling Production (Number of activity as number of seedlings in numbers)	104000	800			
Sapling Production (Number of activity as number of sapling in numbers)	-	-			
Other Bio- products (No. of quantity)	2116	700			
Live stock products	-	-			
Activities of Soil and Water Testing Laboratory	1000	1000			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	36	100000			
SAC Meeting (Date & no. of core/ official members)	2	50			
Literature to be Developed/Published	45	3000			
Convergence programmes / Sponsored programmes	25	3000			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Utilization of Farmers Hostel	1	-			
Utilization of Staff Quarters	6	6			
Details of KVK Agro-technological Park	15	12000			
Crop Cafeteria-	12	12000			
Farm Innovators- list of 10 farm innovators from the District	-	-			
Status of Revolving Funds	-	-			
Awards and Recognitions	-	-			
Case study / Success Story to be developed	4	4			
KVK Progressive Farmers interaction	5	250			
Outreach of KVK in the District (No. of blocks, no. of villages)	680	30000			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	3	3			
Important visitors to KVK	-	-			
Status of KVK Website	-	-			
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	1	1200			
Interventions on Drought Mitigation	9	1500			
Sansad Adarsh Gram	5	110			
Other Activities	-	-			

1. GENERAL INFORMATION

1.1. Staff Position (25/02/2020)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Tikamgarh	16	1	1	6	4	3	1	6	2	16	8

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Dr. B. S. Kirar	Agriculture Extension	Ph.D.	Agriculture Extension	37400-67000 + 9000	57110	02-02-1995	OBC
SMS/ Scientist 1	Dr. R. K. Prajapati	Plant Protection	Ph.D.	Plant Pathology	15600-39100 + 7000	35830	01-02-2007	General
SMS/ Scientist 2	Dr. S. K. Singh	Horticulture	Ph.D.	Horticulture	15600-39100 + 7000	35830	16-03-2007	General
SMS/ Scientist 3	Dr. S. K. Khare	LPM	Ph.D.	LPM	15600-39100 + 7000	33910	05-02-2007	General
SMS/ Scientist 4	Shri U. S. Dhakad	Agronomy	M.Sc. (Ag.)	Agronomy	15600-39100 + 6000	27390	14-10-2011	OBC
SMS/ Scientist 5	-	-	-	-	-	-	-	-
SMS/ Scientist 6	-	-	-	-	-	-	-	-
Programme Assistant	Dr. I. D. Singh	Soil Science	Ph.D.	Soil Science	9300-34400 + 4200	23270	29-01-2007	General
Farm Manager	-	-	-	-	-	-	-	-
Computer Programmer	-	-	-	-	-	-	-	-
Accountant / superintendent	-	-	-	-	-	-	-	-
Stenographer	-	-	-	-	-	-	-	-
Driver	Shri B. K. Litoriya	Driver	HSC	Driver	5200-20200 + 1900	27810	10-07-2008	General
Driver	Shri Manohar Lal Chadar	Driver	HSC	Driver	5200-20200 + 1900	27810	10-07-2008	SC
Supporting staff, if any	-	-	-	-	-	-	-	-
Supporting staff, if any	-	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Tikamgarh	Bundelkhand Zone (VIII – Zone)	06	459	14,45,166	61.43%	4,29,461	173134	1.55

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Tikamgarh	Tikamgarh	2019-20	Tikamgarh	8 Km	1500	1260
Tikamgarh	Nandanpur	2019-20	Jatara	30 Km	950	155
Tikamgarh	Hasgora	2019-20	Jatara	20 Km	708	615
Tikamgarh	Kanti	2019-20	Tikamgarh	20 Km	950	155
Tikamgarh	Charpuan	2019-20	Tikamgarh	30 Km	708	615
Tikamgarh	Chanderi	2019-20	Khargapur	60 Km	950	155
Tikamgarh	Godanwara	2019-20	Tikamgarh	30 Km	1000	445
Tikamgarh	Khajari	2019-20	Palera	70 Km	708	615
Tikamgarh	Jasbantnagar	2019-20	Tikamgarh	26 Km	615	578
Tikamgarh	Madumar	2019-20	Tikamgarh	10 Km	708	615
Tikamgarh	Khiriya	2019-20	Tikamgarh	10 Km	736	235
Tikamgarh	Karmari	2019-20	Tikamgarh	8 Km	620	246
Tikamgarh	Surajpur	2019-20	Tikamgarh	8 Km	950	155
Tikamgarh	Bhopalpura	2019-20	Prithvipur	55 Km	735	549
Tikamgarh	Barkhiriya	2019-20	Tikamgarh	18 Km	800	200
Tikamgarh	Tarichar Kala	2019-20	Niwari	100 Km	450	230
Tikamgarh	Mahobia	2019-20	Baldeogarh	70 Km	512	345
Tikamgarh	Patha	2019-20	Tikamgarh	8 Km	475	315
Tikamgarh	Sundarpur	2019-20	Tikamgarh	30 Km	325	210
Tikamgarh	Shivrampur	2019-20	Niwari	105 Km	395	226
Tikamgarh	Nayakheda	2019-20	Niwari	71 Km	375	240

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Tikamgarh	Soybean - (i) Imbalance dose of fertilizers (ii) Insect pest infestation (iii) Disease incidence (iv) Weed infestation (v) Old varieties
Tikamgarh	Wheat - (i) Imbalance dose of fertilizers (ii) Weed management (iii) Water management (iv) Termite management (v) Insect pest infestation (vi) Disease incidence
Tikamgarh	Black gram - Integrated disease management

KVK Name	THRUST AREA
Tikamgarh	Chickpea - Integrated pest management
Tikamgarh	Jowar - Introduction of High Yielding varieties
Tikamgarh	Paddy - (i) Replacement of old varieties (ii) Integrated nutrient management (iii) Integrated weed management (iv) Water management
Tikamgarh	Mustard - (i) Integrated nutrient management (ii) Integrated pest management
Tikamgarh	Sesame - (i) Replacement of old varieties and enhancement of seed replacement rate
Tikamgarh	Ginger - (i) Seed replacement (ii) Integrated disease management
Tikamgarh	Chilli - (i) Disease management (ii) Introduction of hybrid seeds (iii) Nursery management
Tikamgarh	Potato - (i) Integrated nutrient management (ii) Integrated pest management (iii) Integrated disease management
Tikamgarh	Tomato - (i) Disease management (ii) Introduction of hybrid seeds (iii) Nursery management
Tikamgarh	Okra – (i) Imbalance dose of fertilizers (ii) Pest management
Tikamgarh	Ber - Local varieties, top working and value addition
Tikamgarh	Papaya, Mango and Guava - (i) Value addition (ii) Introduction of New Varieties (iii) Nursery management
Tikamgarh	Live Stock - (i) Disease management (ii) Green Fodder (iii) Breed improvement (iv) Poultry management (v) Goatry management
Tikamgarh	Women in Agriculture – (i) Drudgery (ii) Mal nutrition (iii) Income generation (iv) Value addition
Tikamgarh	Agricultural Engineering – (i) Broad casting (ii) Lack of farm machinery
Tikamgarh	Natural resource management – (i) Unawareness about vermin compost (ii) FYM preparation (iii) Lack of soil & water conservation practices

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Tikamgarh	Low yield of crops	PRA, Survey, joint workshop	All blocks & adopted villages
Tikamgarh	Unavailability of quality seeds/varieties	Survey, SAC meeting	All blocks & adopted villages
Tikamgarh	Indiscriminate use of pesticides	Survey, Interaction with farmers	All blocks & adopted villages
Tikamgarh	Imbalance use of fertilizers	Survey, Low consumption of fertilizers, farmers interaction	All blocks & adopted villages
Tikamgarh	Low yield of vegetable crops	PRA, Survey, Joint workshop	All blocks & adopted villages
Tikamgarh	Low yield of fruits crops	Farmers meeting, PRA, Meeting with horticultural officials	All blocks & adopted villages
Tikamgarh	Low yield of spices	Group discussion	All blocks & adopted villages
Tikamgarh	Degradation of resources	Land survey and field visit	All blocks & adopted villages

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Tikamgarh	Nutritional insecurity, Low income and high drudgery of farm women	Aganwadi, SAC meeting	All blocks & adopted villages
Tikamgarh	Low income due to lack of value addition	Market survey	All blocks & adopted villages
Tikamgarh	Low efficiency of farm machinery	PRA, Survey	All blocks & adopted villages
Tikamgarh	Low soil fertility	Soil campaign and sample testing report	All blocks & adopted villages
Tikamgarh	Low milk production due to non-descriptive animals	Animal Heath camp, Farmers discussion with farmers, Joint workshop with allied Deptt.	All blocks & adopted villages
Tikamgarh	Low efficiency in information delivery of information technology	Farmers meeting, interaction	All blocks & adopted villages

2. On Farm Testing (OFT)

2.1 Information about OFT:

OFT – 1 (Dr. R. K. Prajapati, Scientist - Plant Protection)

Title of on-farm trial:	Assessment of Integrated management of Leaf Spots disease of Groundnut
Year/Season:	2020 / Kharif (1 st Year)
Farming situation:	Rainfed
Problem diagnosis:	Low yield 46.3% due to heavy incidence of leaf spots disease and local varieties, indiscriminate use of fungicides
Thematic area:	PLP
No of trials:	5
No. of migrant farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	Local varieties and indiscriminate use of fungicides
T2 –Recommended Practice	Resistant groundnut variety GJG-32 against leaf spots disease + Seed treatment with Vitavax 2.5 g/kg of seed
T3- Recommended Practice	Resistant groundnut variety GJG-32 against leaf spots disease + Seed treatment with Vitavax 2.5 g/kg of seed + spraying of Ridomil MZ 78 (Mancozeb 64% WP + Metalaxyl I 4% WP) @ 3 gm/lit of water and need based spraying at 15 days interval
Date of sowing:	Last week of June – First week of July
Date of harvesting:	September
Source of technology:	JAJ, Gujarat, 2016-17

Characteristics of technology:	High yielding, Resistant against leaf spots diseases, erect type plant
Name of Crop/Enterprises:	Groundnut
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pods/plant	No.				
	Branches/plant	No.				
	Seeds/pod	No.				
	Test weight of 100 seeds	gm.				
	Kernal yield	q/ha				
	Disease incidence	%				
T2 (Recommended Practice)	Pods/plant	No.				
	Branches/plant	No.				
	Seeds/pod	No.				
	Test weight of 100 seeds	gm.				
	Kernal yield	q/ha				
	Disease incidence	%				
T3 (Recommended Practice)	Pods/plant	No.				
	Branches/plant	No.				
	Seeds/pod	No.				
	Test weight of 100 seeds	gm.				
	Kernel yield	q/ha				
	Disease incidence	%				

OFT – 2 (Dr. R. K. Prajapati, Scientist - Plant Protection)

Title of on-farm trial:	Assessment of Integrated management of Phytophthora blight of Colocasia
Year/Season:	2020 / Kharif (1 st Year)
Farming situation:	Rainfed
Problem diagnosis:	Low yield 38% due to heavy incidence of Phytophthora Blight disease and local varieties, indiscriminate use of fungicides
Thematic area:	PLP
No of trials:	5
No. of migrant farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	Local varieties and indiscriminate use of fungicides
T2 –Recommended Practice	Improved high yielding Colocasia variety Indra Arbi-1 and moderate resistant Phytophthora Blight diseases + Seed treatment of rhizome with of Ridomil MZ 78 (Mancozeb 64% WP + Metalaxyl 4% WP) @ 3 gm/lit of water
T3- Recommended Practice	Improved high yielding Colocasia variety Indra Arbi-1 and moderate resistant Phytophthora Blight diseases + Seed treatment of rhizome with of Ridomil MZ 78 (Mancozeb 64% WP + Metalaxyl 4% WP) @ 3 gm/lit of water and need based drenching
Date of sowing:	Last week of June – First week of July
Date of harvesting:	September
Source of technology:	IGKV, Raipur, 2016-17
Characteristics of technology:	High yielding, Midland suitable for rainfed and irrigated situation in kharif and spring/summer season and moderate resistant Phytophthora Blight diseases
Name of Crop/Enterprises:	Colocasia
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Rhizomes/plant	No.				
	Weight of rhizomes/plant	gm.				
	Rhizome yield	q/ha				
	Disease incidence	%				
T2 (Recommended Practice)	Rhizomes/plant	No.				
	Weight of rhizomes/plant	gm.				
	Rhizome yield	q/ha				
	Disease incidence	%				
T3 (Recommended Practice)	Rhizomes/plant	No.				
	Weight of rhizomes/plant	gm.				
	Rhizome yield	q/ha				
	Disease incidence	%				

OFT – 3 (Dr. R. K. Prajapati, Scientist - Plant Protection)

Title of on-farm trial:	Assessment of Integrated management of Purple Bloch disease of Onion
Year/Season:	2020-21 / Rabi (1 st Year)
Farming situation:	Irrigated
Problem diagnosis:	Low yield 28% due to heavy incidence of Purple Bloch disease and local varieties, indiscriminate use of fungicides
Thematic area:	PLP
No of trials:	5
No. of migrant farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	Local varieties and indiscriminate use of fungicides
T2 –Recommended Practice	Improved high yielding and good keeping quality Onion variety NHRDF Red 3 + Seedling treatment with Ridomil MZ 78 (Mancozeb 64% WP + Metalaxyl 4% WP) @ 3 gm/lit of water at the time of transplanting
T3- Recommended Practice	Improved high yielding and good keeping quality Onion variety NHRDF Red 3 + Seedling treatment with Ridomil

	MZ 78 (Mancozeb 64% WP + Metalaxyl 4% WP) @ 3 gm/lit of water at the time of transplanting and 4 times spraying at the interval of 15 days need based
Date of sowing:	15-30 Oct.
Date of harvesting:	20 Feb.- 05 March
Source of technology:	NHRDF, Nasik, 2018-19
Characteristics of technology:	Bulbs are light bronze in colour. Crop matures in 120-130 days after transplanting. Keeping quality of bulbs is good. The variety gives an average yield of 350-400 q/ha.
Name of Crop/Enterprises:	Onion
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Weight of bulb	gm				
	Bulb yield	q/ha				
	Disease incidence	%				
T2 (Recommended Practice)	Weight of bulb	gm				
	Bulb yield	q/ha				
	Disease incidence	%				
T3 (Recommended Practice)	Weight of bulb	gm				
	Bulb yield	q/ha				
	Disease incidence	%				

OFT – 4 (Dr. R. K. Prajapati, Scientist - Plant Protection)

Title of on-farm trial:	Assessment of Mycopesticide (<i>Beauveria bassiana</i>) and botanical (Neem oil) for management of Pod borer in chickpea
Year/Season:	2020-21 / Rabi (1 st Year)
Farming situation:	Irrigated
Problem diagnosis:	Heavy yield loss (up to 32%) in Chickpea due to severe infestation (38%) of pod borer
Thematic area:	PLP

No of trials:	5
No. of migrant farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	Old varieties and indiscriminate use of insecticides
T2 –Recommended Practice	Bird perches @ 50/ ha + Two spray of Beauveria bassiana @ 1000ml/ha at 45 and 75 DAS
T3- Recommended Practice	Pheromone traps @ 10/ha + Bird perches @ 50/ ha + Two spray of Beauveria bassiana @ 1000ml/ha + Neem oil @ 0.5% at 45 and 75 DAS
Date of sowing:	15-30 Oct.
Date of harvesting:	20 Feb.- 05 March
Source of technology:	JNKVV, Jabalpur, 2015
Characteristics of technology:	Beauveria bassiana act as mycoparasite on lepidopteron insects and neem oil as bio insecticide on different insects and effectively reduced pod borer population
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Insect infestation	%				
	Larvae /m2 area	No.				
	Yield	q/ha				
T2 (Recommended Practice)	Insect infestation	%				
	Larvae /m2 area	No.				
	Yield	q/ha				
T3 (Recommended Practice)	Insect infestation	%				
	Larvae /m2 area	No.				
	Yield	q/ha				

OFT – 5 (Dr. U. S. Dhakad, Scientist - Agronomy)

Title of on-farm trial:	Assessment of Soybean variety (JS 2069) under Soybean-Wheat Cropping sequence
Year/Season:	2020 / Kharif (1 st Year)
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to old variety, imbalance use of fertilizers and broadcasting sowing method.
Thematic area:	VR
No of trials:	5
No. of migrant farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	JS 95-60, broadcasting
T2 –Recommended Practice	JS 20 69 + seed treatment Trichoderma @10ml/kg seed + line sowing with RDF
T3- Recommended Practice	JS 20 69 + seed treatment Trichoderma + Rhizobium + PSB @10ml/kg seed + 50% RDF with ZSB + KSB @2.5lit./ha. Soil treatment + Pseudomonas @5lit/ha.
Date of sowing:	Last week of June – First week of July
Date of harvesting:	September
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Yearly maturity, high yield, resistant to YVMV
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pods/plant	No.				
	Yield	q/ha				
T2 (Recommended Practice)	Pods/plant	No.				
	Yield	q/ha				
T3 (Recommended Practice)	Pods/plant	No.				
	Yield	q/ha				

OFT – 6 (Dr. U. S. Dhakad, Scientist - Agronomy)

Title of on-farm trial:	Assessment of Groundnut sowing method under Groundnut-Wheat Cropping sequence
Year/Season:	2020 / Kharif (1 st Year)
Farming situation:	Rainfed
Problem diagnosis:	Imbalance use of fertilizers and broadcasting sowing method.
Thematic area:	VR
No of trials:	5
No. of migrant farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	Broadcasting
T2 –Recommended Practice	Line sowing with Trichoderma + Rhizobium + PSB @10ml/kg seed + ZSB + KSB @ 5 lit/ha each
T3- Recommended Practice	Ridge furrow method with Trichoderma + Rhizobium + PSB @10ml/kg seed + ZSB + KSB @ 5 lit/ha each
Date of sowing:	Last week of June – First week of July
Date of harvesting:	September
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	High yield, surface drainage and prevent water logging
Name of Crop/Enterprises:	Groundnut
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pods/plant	No.				
	Yield	q/ha				
T2 (Recommended Practice)	Pods/plant	No.				
	Yield	q/ha				
T3 (Recommended Practice)	Pods/plant	No.				
	Yield	q/ha				

OFT – 7 (Dr. U. S. Dhakad, Scientist - Agronomy)

Title of on-farm trial:	Assessment of mustard variety (RH479) under blackgram-mustard Cropping sequence
Year/Season:	2020-21 / Rabi (1 st Year)
Farming situation:	Semi Irrigated
Problem diagnosis:	Low yield due to old variety, imbalance use of fertilizers and broadcasting sowing method
Thematic area:	VR
No of trials:	5
No. of migrant farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	Kranti, broadcasting sowing method
T2 –Recommended Practice	RH 479 + seed treatment Trichoderma + PSB @10ml/kg seed + line sowing with RDF
T3- Recommended Practice	RH 479 + seed treatment Trichoderma + Azotobacter + PSB @10ml/kg seed + 50% RDF with PSB + ZSB + KSB @ 2.5 lit./ha. Soil treatment + Pseudomonas @ 5lit./ha.
Date of sowing:	15-30 Oct.
Date of harvesting:	20 Feb.- 05 March
Source of technology:	DRMR and JNKVV, Jabalpur
Characteristics of technology:	High yielding & resistant to white rust
Name of Crop/Enterprises:	Mustard

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Siliques/plant	No.				
	Yield	q/ha				
T2 (Recommended Practice)	Pods/plant	No.				
	Yield	q/ha				
T3 (Recommended Practice)	Pods/plant	No.				
	Yield	q/ha				

OFT – 8 (Dr. U. S. Dhakad, Scientist - Agronomy)

Title of on-farm trial:	Assessment of Wheat variety Pusa Tajes (HI 8759) under Soybean-Wheat Cropping sequence
Year/Season:	2020-21 / Rabi (1 st Year)
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to old variety, imbalance use of fertilizers and broadcasting sowing method.
Thematic area:	VR
No of trials:	5
No. of migrant farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	Lok 1, broadcasting sowing method
T2 –Recommended Practice	Pusa Tajes (HI 8759) + seed treatment Trichoderma + PSB @10ml/kg seed + line sowing with RDF
T3- Recommended Practice	Pusa Tajes (HI 8759) + seed treatment Trichoderma + Azotobacter + PSB @10ml/kg seed + 50% RDF with PSB + ZSB + KSB @ 2.5lit./ha. Soil treatment + Pseudomonas @ 5 lit./ha.
Date of sowing:	15 Nov – 30 Nov
Date of harvesting:	15 March – 30 March
Source of technology:	IARI and JNKVV, Jabalpur
Characteristics of technology:	Durum wheat, High yield, Rust resistant
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Tillers/plant	No.				
	Yield	q/ha				
T2 (Recommended Practice)	Tillers/plant	No.				
	Yield	q/ha				
T3 (Recommended Practice)	Tillers/plant	No.				
	Yield	q/ha				

OFT – 9 (Dr. S. K. Singh, Scientist - Horticulture)

Title of on-farm trial:	Assessment on Cowpea early and high yielding variety Kashi Nidhi
Year/Season:	2020 / Kharif (1 st Year)
Farming situation:	Rainfed
Problem diagnosis:	Low yield of cow pea due to use of old variety Losara and selection 2-1.
Thematic area:	VR
No of trials:	5
No. of migrant farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	Use of old variety, selection 2 -1 and no use of Ridge method technology
T2 –Recommended Practice	Early high yielding variety Kashi Nidhi + Sowing with Ridge method + seed treatment Trichoderma + 100% RDF
T3- Recommended Practice	Sowing with Ridge method + seed treatment Trichoderma + PSB @ 10 ml/kg seed + 50% RDF with ZSB + KSB @ 2.5 lit./ha. Soil treatment + Pseudomonas @ 5 lit/ha
Date of sowing:	12 July – 18 July
Date of harvesting:	22 – 25 September
Source of technology:	IIVR, 2010
Characteristics of technology:	Bushy, early and High yielding
Name of Crop/Enterprises:	Cowpea
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Pods/ plant	No.				
	Yield/plant (kg)	Kg.				
	Yield	q/ha				
T2 (Recommended Practice)	Pods/ plant	No.				
	Yield/plant (kg)	Kg.				

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	Yield	q/ha				
T3 (Recommended Practice)	Pods/ plant	No.				
	Yield/plant (kg)	Kg.				
	Yield	q/ha				

OFT – 10 (Dr. S. K. Singh, Scientist - Horticulture)

Title of on-farm trial:	Assessment of Oxyfluorfen (23.5% EC) & Quizalofop (5% EC) combined application for weed management in Onion variety L-883.
Year/Season:	2020 / Kharif (1 st Year)
Farming situation:	Irrigated
Problem diagnosis:	Crop is heavily infested due to weeds in rabi season during early crop growth and reduce yield
Thematic area:	IDM & Varietal Evaluation
No of trials:	5
No. of migrant farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	No use of weedicide
T2 –Recommended Practice	L-883 + Oxyfluorfen (23.5% EC) & Quizalofop (5% EC) combined application for weed management in Onion
T3- Recommended Practice	L-883 + Oxyfluorfen (23.5% EC) & Quizalofop (5% EC) combined application for weed management in Onion + Cycle Wheel Hoe
Date of sowing:	08 July – 12 July
Date of harvesting:	22 – 25 October
Source of technology:	NHRDF, Indore, 2014
Characteristics of technology:	High yielding variety and use of Oxyfluorfen & Quizalofop for weed management in onion
Name of Crop/Enterprises:	Onion
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Weeds/sq. m.	No.				
	Bulb weight	gm				
	Yield	kg/ha				
T2 (Recommended Practice)	Weeds/sq. m.	No.				
	Bulb weight	gm				
	Yield	kg/ha				
T3 (Recommended Practice)	Weeds/sq. m.	No.				
	Bulb weight	gm				
	Yield	kg/ha				

OFT – 11 (Dr. S. K. Singh, Scientist - Horticulture)

Title of on-farm trial:	Assessment of Oxyfluorfen (23.5% EC) & Quizalofop (5% EC) combined application for weed management in Garlic variety G-884.
Year/Season:	2020-21 / Rabi (1 st Year)
Farming situation:	Irrigated
Problem diagnosis:	Crop is heavily infested due to weeds in rabi season during early crop growth and reduce yield
Thematic area:	IDM & Varietal Evaluation
No of trials:	5
No. of migrant farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	No use of weedicide
T2 –Recommended Practice	G-884 + Oxyfluorfen (23.5% EC) & Quizalofop (5% EC) combined application for weed management in Garlic
T3- Recommended Practice	G-884 + Oxyfluorfen (23.5% EC) & Quizalofop (5% EC) combined application for weed management in Garlic + Cycle Wheel Hoe
Date of sowing:	20 – 25 Oct
Date of harvesting:	20 – 30 March

Source of technology:	NHRDF, Karnal, 2015
Characteristics of technology:	High yielding variety and use of Oxyfluorfen & Quizalofop for weed management in Garlic
Name of Crop/Enterprises:	Garlic
Recommendations for Farmers	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Weeds/sq. m.	No.				
	Bulb weight	gm				
	Yield	kg/ha				
T2 (Recommended Practice)	Weeds/sq. m.	No.				
	Bulb weight	gm				
	Yield	kg/ha				
T3 (Recommended Practice)	Weeds/sq. m.	No.				
	Bulb weight	gm				
	Yield	kg/ha				

OFT – 12 (Dr. S. K. Singh, Scientist - Horticulture)

Title of on-farm trial:	Assessment of high yielding tomato varieties Kashi Abhiman and Arka Rakshak on raised bed, mulching and stacking under cropping system Cowpea-tomato-bottle gourd/bitter gourd
Year/Season:	2020-21 / Rabi (1 st Year)
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to use of old varieties (Indom 5005 & Pusa Ruby)
Thematic area:	ICM
No of trials:	5
No. of migrant farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	Cultivation of locally available hybrids on flat bed and no stacking
T2 –Recommended Practice	Kashi Abhiman (Semi determinate), better shelf life due to thick pericarp, resistant to TLCV

T3- Recommended Practice	Arka Rakshak (Triple disease resistant tomato hybrid, tolerant to heat and draught) + stacking
Date of sowing:	21-28 September
Date of harvesting:	20-25 February
Source of technology:	IIVR and IIHR, 2012
Characteristics of technology:	Kashi Abhiman, better shelf life due to thick pericarp, resistant to TLCV Arka Rakshak (Triple disease resistant tomato hybrid, tolerant to heat and draught)
Name of Crop/Enterprises:	Tomato

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Fruits/plant	No.				
	Fruit weight	gm				
	Yield	kg/ha				
T2 (Recommended Practice)	Fruits/plant	No.				
	Fruit weight	gm				
	Yield	kg/ha				
T3 (Recommended Practice)	Fruits/plant	No.				
	Fruit weight	gm				
	Yield	kg/ha				

OFT – 13 (Dr. S. K. Khare, Scientist – LPM)

Title of on-farm trial:	Assessment of Antibiotics + Anthelmintics on growth of buffalo calves.
Year/Season:	2020 / Kharif (2 nd Year)
Farming situation:	Rainfed irrigation
Problem diagnosis:	High mortality and slow growth
Thematic area:	Animal Disease Management
No of trials:	05
No. of migrant farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	

T1 – Farmers Practice	No dewormer (Age of calf 5 months)
T2 –Recommended Practice	Anthelmintic First week repeat after third week and every 3 months
T3- Recommended Practice	Anthelmintic + Antibiotic for 5 days and repeats every months up to 9 months of age
Date of trial:	06-08-2019
Date of end of trail:	06-12-2019
Source of technology:	GADVASU 2005
Characteristics of technology:	Antibiotics reduce infections in calves and anthelmintics removes worm load during monsoon season.
Name of Crop/Enterprises:	Dairying
Recommendations for Farmers	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Disease incidence	%				
	Mortality	%				
T2 (Recommended Practice)	Disease incidence	%				
	Mortality	%				
T3 (Recommended Practice)	Disease incidence	%				
	Mortality	%				

OFT – 14 (Dr. S. K. Khare, Scientist – LPM)

Title of on-farm trial:	Assessment of herbal supplementation on heat stress in chickens.
Year/Season:	2020 / Kharif (2 nd Year)
Farming situation:	Rainfed irrigation
Problem diagnosis:	Slow growth, loss of appetite and mortality
Thematic area:	Poultry production and management
No of trials:	05
No. of migrant farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	Vitamin B-complex

T2 –Recommended Practice	Herbal supplement
T3- Recommended Practice	Vitamin B-complex + Herbal supplement
Date of trial:	08-08-2019
Date of end of trail:	08-10-2019
Source of technology:	CARI 2006
Characteristics of technology:	This herbal supplement (Zeetress) combat heat stress
Name of Crop/Enterprises:	Poultry farming
Recommendations for Farmers	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Mortality	%				
T2 (Recommended Practice)	Mortality	%				
T3 (Recommended Practice)	-	-				

OFT – 15 (Dr. S. K. Khare, Scientist – LPM)

Title of on-farm trial:	Assessment of concentrate mixture from locally available ingredients on growth of goat.
Year/Season:	2020-21 / Rabi (2 nd Year)
Farming situation:	Rainfed irrigation
Problem diagnosis:	Slow growth rate
Thematic area:	Livestock production and management
No of trials:	05
No. of migrant farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	Browsing
T2 –Recommended Practice	Browsing + Feed offered by farmers
T3- Recommended Practice	Browsing + Concentrated mixture 250 gm/day

Date of trial:	12-10-2019
Date of end of trail:	10-12-2019
Source of technology:	NDRI, 2002
Characteristics of technology:	Balance feed mixture improves growth rate.
Name of Crop/Enterprises:	Goatry
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Body weight	kg				
T2 (Recommended Practice)	Body weight	kg				
T3 (Recommended Practice)	Body weight	kg				

OFT – 16 (Dr. S. K. Khare, Scientist – LPM)

Title of on-farm trial:	Assessment of chelated minerals supplementation in lactating buffaloes.
Year/Season:	2020-21 / Rabi (2 nd Year)
Farming situation:	Rainfed irrigation
Problem diagnosis:	Reproductive inefficiency
Thematic area:	Livestock production and management
No of trials:	05
No. of migrant farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice	Wheat straw + Chuni + Oilseed cake
T2 –Recommended Practice	T1 + Mineral mixture in high yielders
T3- Recommended Practice	T1 + Methochelated mineral mixture

Date of trial:	12-10-2019
Date of end of trail:	10-12-2019
Source of technology:	NDRI, 2002
Characteristics of technology:	Methochelated minerals have high utilization and improve production.
Name of Crop/Enterprises:	Dairying
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Anoestrous animal	No.				
	Conception rate	%				
	Milk yield	%				
T2 (Recommended Practice)	Anoestrous animal	No.				
	Conception rate	%				
	Milk yield	%				
T3 (Recommended Practice)	Anoestrous animal	No.				
	Conception rate	%				
	Milk yield	%				

2.2. Information about Extension OFT:

Title	-
Season & Year	-
Problem identified	-
Thematic Area	-
Farming situation	-
Name of Technology under study	-
Farmers Practice	-
No. of replication (Farmers)	-

Results / findings

Performance indicators/ parameters	Unit/ details
-	-

3. Achievements of Frontline Demonstrations (FLD)
3.1 Details of FLDs on Crop implemented during April-2020 to March-2021

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Other	Gen	Total
2020	Kharif	PLP	Demonstration of Integrated Fruit & Shoot borer management in Brinjal variety BSS-998 (Hyb.)	Vegetable	Brinjal	BSS-998 (Hyb.)	Irrigated	-	1	-	-	-	-	-	-	-	-
2020	Kharif	PLP	Demonstration of integrated management of leaf curl mosaic virus in papaya variety Red Lady (Hyb.)	Fruit	Papaya	Red Lady (Hyb.)	Irrigated	-	1	-	-	-	-	-	-	-	-
2020-21	Rabi	PLP	Demonstration of integrated management of leaf curl virus in tomato variety NS 815 (Hyb.)	Vegetable	Tomato	NS 815 (Hyb.)	Irrigated	-	1	-	-	-	-	-	-	-	-
2020-21	Rabi	PLP	Demonstration of IPM modules for safe seed storage of high value pulse crop Chickpea variety RVG 201	Pulses	Chickpea	RVG 201	Irrigated	-	-	-	-	-	-	-	-	-	-
2020	Kharif	ICM	Demonstration of soybean (RVS 2001-04) production (Improved variety + seed	Oilseed	Soybean	RVS 2001-04	Rainfed	-	2	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Other	Gen	Total
			treatment + bio fertilizers)														
2020	Kharif	ICM	Demonstration of blackgram (Pratap Urd 1) production (Improved variety + seed treatment + bio fertilizers)	Pulse	Blackgram	Pratap Urd 1	Rainfed	-	2	-	-	-	-	-	-	-	-
2020-21	Rabi	ICM	Demonstration of Chickpea (JG 12) production (Improved variety + seed treatment + bio fertilizers)	Pulse	Chickpea	JG 12	Semi Irrigated	-	2	-	-	-	-	-	-	-	-
2020-21	Rabi	ICM	Demonstration of mustard (RVM 2) production technique (Improved variety + bio fertilizer)	Oilseed	Mustard	RVM 2	Semi Irrigated	-	2	-	-	-	-	-	-	-	-
2020	Kharif	Crop Diversification	Cluster Demonstration of soybean production (Improved variety + seed treatment + bio fertilizers + need based pesticides)	Oilseed	Soybean	RVS 2001-04	Rainfed	-	10.0 (CFLD)	-	-	-	-	-	-	-	-
2020	Kharif	Crop Diversification	Cluster Demonstration of sesame production (Improved variety + seed treatment + bio fertilizers + need based pesticides)	Oilseed	Sesame	TKG 308/306	Rainfed	-	10.0 (CFLD)	-	-	-	-	-	-	-	-
2020	Kharif	Crop Diversification	Cluster Demonstration of blackgram production (Improved variety + seed treatment + bio fertilizers +	Pulse	Blackgram	Pratap Urd 1	Rainfed	-	20.0 (CFLD)	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Other	Gen	Total
			need based pesticides)														
2020-21	Rabi	Crop Diversification	Cluster Demonstration of Chickpea production (Improved variety + seed treatment + bio fertilizers + need based pesticides)	Pulse	Chickpea	JG 12	Semi Irrigated	-	20.0 (CFLD)	-	-	-	-	-	-	-	-
2020-21	Rabi	ICM	Cluster Demonstration of mustard production technique (Improved variety + bio fertilizer + need based pesticides)	Oilseed	Mustard	RVM 2	Semi Irrigated	-	20.0 (CFLD)	-	-	-	-	-	-	-	-
2020	Kharif	IWM	Demonstration on mulching and drip irrigation in chilli early variety Kashi Anmol	Vegetable	Chilli	Kashi Anmol	Irrigated	-	2	-	-	-	-	-	-	-	-
2020	Kharif	Production & Management technology	Demonstration on Drumstick (PKM-1)	Vegetable	Drumstick	PKM-1	Irrigated	-	2	-	-	-	-	-	-	-	-
2020-21	Rabi	IDM & Varietal Evaluation	Demonstration on Tomato (Arka Samrat) variety triple disease resistant hybrid variety	Vegetable	Tomato	Arka Samrat	Irrigated	-	2	-	-	-	-	-	-	-	-
2020-21	Rabi	IWM	Demonstration on Pendimethalin 38.7 % (Stamp	Vegetable	Pea	Kashi Mukti	Irrigated	-	2	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop Area (ha)	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Other	Gen	Total
			Extra) 1750 ml/ha. (Energy saving) Pea (Kashi Mukti)														
2020	Kharif	INM	Demonstration of Bio-fertilizer in Greengram (PDM 139)	Pulse	Greengram	PDM 139	Rainfed	-	2	-	-	-	-	-	-	-	-
2020	Kharif	INM	Demonstration of Bio-fertilizer in Soybean (JS 95-60)	Oilseed	Soybean	JS 95-60	Rainfed	-	2	-	-	-	-	-	-	-	-
2020-21	Rabi	INM	Demonstration of Bio-fertilizer in Chickpea (JG-12)	Pulse	Chickpea	JG-12	Semi Irrigated	-	2	-	-	-	-	-	-	-	-
2020-21	Rabi	INM	Demonstration of Bio-fertilizer in Mustard (RVM-2)	Oilseed	Mustard	RVM-2	Semi Irrigated	-	2	-	-	-	-	-	-	-	-

3.2 Economic Impact of Crop FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration of Integrated Fruit & Shoot borer management in Brinjal variety BSS-998 (Hyb.)	Brinjal	Insect infestation (%)										
		Fruit/plant (No.)										
		Weight of fruits/plant (gm.)										
		Yield (q/ha)										
Demonstration of integrated	Papaya	Disease incidence (%)										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
management of leaf curl mosaic virus in papaya variety Red Lady (Hyb.)		Fruits/plant (No.)										
		Weight of fruits/plant (gm.)										
		Yield (q/ha)										
Demonstration of integrated management of leaf curl virus in tomato variety NS 815 (Hyb.)	Tomato	Disease incidence (%)										
		Fruits/plant (No.)										
		Weight of fruits/plant (gm.)										
		Yield (q/ha)										
Demonstration of IPM modules for safe seed storage of high value pulse crop Chickpea variety RVG 201	Chickpea	Damage (%)										
		Decrease in damage (%)										
Demonstration of soybean (RVS 2001-04) production (Improved variety + seed treatment + bio fertilizers)	Soybean	Pods/plant (No.)										
		Yield/plant (gm)										
		Yield (q/ha)										
Demonstration of blackgram (Pratap Urd 1) production (Improved variety + seed treatment + bio fertilizers)	Blackgram	Pods/plant (No.)										
		Yield/plant (gm)										
		Yield (q/ha)										
Demonstration of Chickpea (JG 12) production (Improved variety + seed treatment + bio fertilizers)	Chickpea	Pods/plant (No.)										
		Yield/plant (gm)										
		Yield (q/ha)										
Demonstration of mustard (RVM 2) production technique (Improved variety + bio fertilizer)	Mustard	Siliques/plant (No.)										
		Yield/plant (gm)										
		Yield (q/ha)										
Cluster Demonstration of soybean production (Improved variety + seed	Soybean	Pods/plant (No.)										
		Yield/plant (gm)										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
treatment + bio fertilizers + need based pesticides)		Yield (q/ha)										
Cluster Demonstration of sesame production (Improved variety + seed treatment + bio fertilizers + need based pesticides)	Sesame	Capsules/plant (No.)										
		Yield/plant (gm)										
		Yield (q/ha)										
Cluster Demonstration of blackgram production (Improved variety + seed treatment + bio fertilizers + need based pesticides)	Blackgram	Pods/plant (No.)										
		Yield/plant (gm)										
		Yield (q/ha)										
Cluster Demonstration of Chickpea production (Improved variety + seed treatment + bio fertilizers + need based pesticides)	Chickpea	Pods/plant (No.)										
		Yield/plant (gm)										
		Yield (q/ha)										
Cluster Demonstration of mustard production technique (Improved variety + bio fertilizer + need based pesticides)	Mustard	Siliques/plant (No.)										
		Yield/plant (gm)										
		Yield (q/ha)										
Demonstration on mulching and drip irrigation in chilli early variety Kashi Anmol	Chilli	Water saving (%)										
		Fruit/plant (No.)										
		Yield (q/ha)										
Demonstration on Drumstick (PKM-1)	Drumstick	Pod/plant (No.)										
		Pod weight (gm)										
		Yield (q/ha)										
Demonstration on Tomato (Arka Samrat) variety triple disease resistant hybrid variety	Tomato	Fruit/plant (No.)										
		Fruit weight/plant (kg)										
		Yield (kg/ha)										

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration on Pendimethalin 38.7 % (Stamp Extra) 1750 ml/ha. (Energy saving) Pea (Kashi Mukti)	Pea	Pods/plant (No.)										
		Weeds/sq. m. (No.)										
		Pod weight (gm)										
		Yield (q/ha)										
Demonstration of Bio-fertilizer in Greengram (PDM 139)	Blackgram	Pods/plant (No.)										
		Yield/plant (gm)										
		Yield (q/ha)										
Demonstration of Bio-fertilizer in Soybean (JS 95-60)	Soybean	Pods/plant (No.)										
		Yield/plant (gm)										
		Yield (q/ha)										
Demonstration of Bio-fertilizer in Chickpea (JG-12)	Chickpea	Pods/plant (No.)										
		Yield/plant (gm)										
		Yield (q/ha)										
Demonstration of Bio-fertilizer in Mustard (RVM-2)	Mustard	Siliques/plant (No.)										
		Yield/plant (gm)										
		Yield (q/ha)										

3.3 Details of FLDs on Agriculture Engineering implemented during April-2020 to March-2021

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed / Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		S C	S T	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.4 Economic Impact of Agriculture Engineering FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.5 Details of FLDs on Animal Science implemented during April-2020 to March-2021

Year	Season	Thematic area	Technology demonstrated	Crop / Enterprise Category	Name of Crop/ Enterprise	Name of Variety/ Technology / Enterprise	Farming Situation (rainfed/ irrigated/semi-irrigated)	Completed / Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		S C	S T	O t h	G e n	Total
2020	Kharif	Animal Nutrition Management	Demonstration on balance feed on growth of Calf	Enterprise	Dairying	Balance feeding of bucks CP=16% TDN 60%	Rainfed	-	12	-	-	-	-	-	-	-	-
2020	Kharif	Animal Nutrition Management	Demonstration of UMMB feeding on milk yield in the buffaloes	Enterprise	Dairying	UMMB blocks and cakes and chuni	Rainfed	-	12	-	-	-	-	-	-	-	-
2020-21	Rabi	Poultry farming	Demonstration of Narmada Nidhi in backyard farming	Enterprise	Poultry	Narmada Nidhi	Rainfed	-	12	-	-	-	-	-	-	-	-
2020-	Rabi	Feed	Demonstration	Ente	Dairyi	Straw+	Rainfed	-	12	-	-	-	-	-	-	-	-

Year	Season	Thematic area	Technology demonstrated	Crop / Enterprise Category	Name of Crop/ Enterprise	Name of Variety/ Technology / Enterprise	Farming Situation (rainfed/ irrigated/semi-irrigated)	Completed / Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		S C	S T	O t h	G e n	Total
21		management	of Azolla cultivation and feeding to dairy animals on milk production	enterprise	ng	Balance feed+ Azolla											

3.6 Economic Impact of Animal Science FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Demonstration on balance feed on growth of Calf	Dairying	Body weight (kg/calf)										
Demonstration of UMMB feeding on milk yield in the buffaloes	Dairying	Milk yield (lit/day)										
Demonstration of Narmada Nidhi in backyard farming	Poultry	Body weight (kg/bird)										
Demonstration of Azolla cultivation and feeding to dairy animals on milk production	Dairying	Milk yield (lit/day)										
		Conception rate (%)										

3.7 Details of FLDs on Fishery implemented during April-2020 to March-2021

Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop - Area (ha) / Entrp - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.8 Economic Impact of fishery FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
-	-	-	-	-	-	-	-	-	-	-	-	-

3.9 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrp - No.	Results		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology demonstrated	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (Income Generation)

KVK name	Technology demonstrated	Performance Indicator / Parameter									
		Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (For value addition)

KVK name	Technology demonstrated	Performance Indicator / Parameter											
		Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-

Economic Performance Home Science FLD: (For Nutritional security)

Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m))))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Tikamgarh	Soybean, Black gram, Mustard, Chickpea	Field days	04	200	-
		Farmers Training	08	200	-
		Media coverage	04	Mass	-
		Training for extension functionaries	02	50	-

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
-	Tikamgarh	-	-	-	-	-

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Tikamgarh	-	-	-	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Tikamgarh	-

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Tikamgarh	-	-	-	-

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F & FW	ONC	Crop Production	Integrated Crop Management	Production technology of soybean	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Crop Production	Integrated Crop	Groundnut production	1	1	-	-	-	-	-	-	-	-

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
			Management	technology										
F & FW	ONC	Crop Production	Seed production	Seed production of kharif crops	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Crop Production	Seed production	Awareness and importance of germination test & seed treatment of kharif crops	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Crop Production	Integrated nutrient Management	Importance of INM in Kharif crops	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Crop Production	Weed Management	Weed management in Kharif crops	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Crop Production	Integrated nutrient Management	Organic manuring	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Crop Production	Weed Management	Weed management of soybean & Groundnut	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Crop Production	Integrated Crop Management	Mustard production technology	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Crop Production	Integrated nutrient Management	Nutrients management in Wheat & Chickpea	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Crop Production	Integrated Crop Management	Production technology of chick Pea	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Crop Production	Seed production	Importance of roguing in quality seed production	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Crop Production	Seed production	Suitable variety of rabi crops	1	1	-	-	-	-	-	-	-	-

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F & FW	OFC	Crop Production	Seed production	Germination test method & Importance in Rabi crops	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Crop Production	Seed production	Seed production in Rabi crops	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Crop Production	Seed production	Proper time and method of roguing in Wheat	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Horticulture (Vegetable Crops)	Nursery raising	Preparation of raised bed nursery kharif vegetable crops and their management	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Horticulture (Vegetable Crops)	Production technology	Production technology and Importance of moringa	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Horticulture (Vegetable Crops)	Production technology	Production technology of cowpea	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Horticulture (Vegetable Crops)	Production technology	Production technology of table pea	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Horticulture (Vegetable Crops)	Production technology	Production technology of colocasia	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Horticulture (Vegetable Crops)	Protective cultivation	Protected cultivation of Chilli, Tomato, Shimla Mirch	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Horticulture (Fruits)	Training and Pruning	Training on Budding, Grafting in fruits crops	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Horticulture (Fruits)	Management of young plants/orchards	Layout & plantation of Guava & Pomegranate	1	1	-	-	-	-	-	-	-	-

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F & FW	OFC	Horticulture (Fruits)	Micro irrigation systems of orchards	Management of young plant Orchards	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Horticulture (Spices)	Production and Management technology	Production technology of Ginger & Turmeric	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Horticulture (Spices)	Production and Management technology	Production technology of kharif Onion	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Soil Health and Fertility Management	Soil fertility management	STL based nutrient application	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Soil Health and Fertility Management	Integrated water management	NRM Technology	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Soil Health and Fertility Management	Integrated Nutrient Management	INM in Oilseed crops	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Soil Health and Fertility Management	Production and use of organic inputs	Use of Bio-fertilizers and its importance	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Soil Health and Fertility Management	Management of Problematic soils	Acidic soil management	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	Importance of Soil Testing	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	Nutrients management in Kharif crops	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Soil Health and	Integrated Nutrient	Nutrients	1	1	-	-	-	-	-	-	-	-

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Fertility Management	Management	management in Rabi crops										
F & FW	ONC	Soil Health and Fertility Management	Production and use of organic inputs	NADEP Compost preparation method	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Soil Health and Fertility Management	Production and use of organic inputs	Vermi compost	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Use of Sulphur in oilseed crops	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Soil Health and Fertility Management	Production and use of organic inputs	Importance & Application of Bio-digester	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Soil Health and Fertility Management	Production and use of organic inputs	Importance of Green Manuring	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Soil Health and Fertility Management	Soil fertility management	Use of Soil Health card and its importance	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Livestock Production and Management	Dairy Management	Importance of silage feeding	1	2	-	-	-	-	-	-	-	-
F & FW	OFC	Livestock Production and Management	Disease Management	Important disease management practices of dairy animals	2	2	-	-	-	-	-	-	-	-
F & FW	OFC	Livestock	Animal Nutrition	Importance of feeding	2	2	-	-	-	-	-	-	-	-

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
		Production and Management	Management	green fodder										
F & FW	OFC	Livestock Production and Management	Animal Nutrition Management	Importance of mineral mixture in dairy animals	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Livestock Production and Management	Animal Nutrition Management	Importance of Hay	1	2	-	-	-	-	-	-	-	-
F & FW	ONC	Plant Protection	Integrated Pest Management	Safe methods of storage grain pests	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Plant Protection	Integrated Pest Management & Integrated Disease Management	Importance and methods of different type seed treatments	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Plant Protection	Integrated Disease Management	Integrated management of soybean mosaic virus	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Plant Protection	Integrated Pest Management	Integrated management of tobacco caterpillar in soybean	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Plant Protection	Integrated Disease Management	Integrated management of soft rot in soybean	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Plant Protection	Integrated Disease Management	Integrated management of leaf blight in colocasia	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Plant Protection	Integrated Pest Management	Safe storage grain pests management	1	1	-	-	-	-	-	-	-	-

Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Oth	
							M	F	M	F	M	F	M	F
F & FW	OFC	Plant Protection	Integrated Disease Management	Integrated management of wilt in chickpea	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Plant Protection	Integrated Pest Management	Termite management in wheat	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Plant Protection	Integrated Pest Management	Integrated management of pod borer in chickpea	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Plant Protection	Integrated Pest Management	Integrated management of aphid in mustard	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Plant Protection	Integrated Disease Management	Integrated management of leaf spot diseases of wheat	1	1	-	-	-	-	-	-	-	-
F & FW	ONC	Plant Protection	Integrated Pest Management	Integrated management of shoot and fruit borer in brinjal	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Plant Protection	Integrated Pest Management	Tech. of raising nursery for Cole crop	1	1	-	-	-	-	-	-	-	-
F & FW	OFC	Plant Protection	Integrated Pest Management	Transplanting and production tech. in chilli cultivation	1	1	-	-	-	-	-	-	-	-

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY	ONC	Nursery Management of Horticulture crops	Preparation of raised bed nursery of vegetable crops and their management	1	3	-	-	-	-	-	-	-	-
RY	ONC	Production of organic inputs	Organic farming	1	3	-	-	-	-	-	-	-	-
RY	ONC	Mushroom Production	Mushroom Production	3	3	-	-	-	-	-	-	-	-
RY	ONC	Value addition	Processing and value addition potato (chips)	1	3	-	-	-	-	-	-	-	-
RY	ONC	Value addition	Processing and value addition Ber (Sarvat)	1	3	-	-	-	-	-	-	-	-
RY	ONC	Poultry production	Backyard poultry farming	1	3	-	-	-	-	-	-	-	-

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
IS	ONC	CRP	Production technology of Blackgram	1	1	-	-	-	-	-	-	-	-
IS	ONC	CRP	Production technology of Soybean	1	1	-	-	-	-	-	-	-	-
IS	ONC	CRP	Production technology of Chickpea	1	1	-	-	-	-	-	-	-	-
IS	ONC	CRP	Production technology of Mustard	1	1	-	-	-	-	-	-	-	-

Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
IS	ONC	PLP	IDM in Blackgram	1	1	-	-	-	-	-	-	-	-
IS	ONC	PLP	IDM in Chickpea	1	1	-	-	-	-	-	-	-	-
IS	ONC	PLP	IDM in Chilli	1	1	-	-	-	-	-	-	-	-
IS	ONC	PLP	IDM in Ginger	1	1	-	-	-	-	-	-	-	-
IS	ONC	LPM	Importance of Green fodder feeding to dairy animals	1	1	-	-	-	-	-	-	-	-
IS	ONC	LPM	Disease management in cow & buffalo	1	1	-	-	-	-	-	-	-	-
IS	ONC	LPM	Disease management in goatry	1	1	-	-	-	-	-	-	-	-
IS	ONC	HOF	Storage method of onion	1	1	-	-	-	-	-	-	-	-
IS	ONC	HOF	Protected cultivation of Tomato	1	1	-	-	-	-	-	-	-	-
IS	ONC	HOF	Production technology of Potato	1	1	-	-	-	-	-	-	-	-
IS	ONC	HOM	Production technology of Safed Musli	1	1	-	-	-	-	-	-	-	-
IS	ONC	INM	Importance and Uses of Biofertilizers	1	1	-	-	-	-	-	-	-	-
IS	ONC	INM	Role of major & micro nutrients	1	1	-	-	-	-	-	-	-	-

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Crop production and management	Integrated crop management	Seed Production	Chickpea	Unemployment	1	5	-	-	-	-	-	-	-	-
Soil Health and Fertility Management	Organic Farming	Vermi Compost	Earthworm	Unemployment	1	5	-	-	-	-	-	-	-	-
Income generation activities	Mushroom cultivation	Oyster Mushroom production	Mushroom	Unemployment	2	5	-	-	-	-	-	-	-	-
Livestock Production and Management	Poultry Management	Backyard Poultry	Poultry	Unemployment	1	5	-	-	-	-	-	-	-	-
Livestock Production and Management	Dairy Management	Dairy farming	Cow	Unemployment	1	5	-	-	-	-	-	-	-	-
Livestock Production and Management	Goat Management	Goat farming	Goat	Unemployment	1	5	-	-	-	-	-	-	-	-
Horticulture (Vegetable Crops)	Vegetable	Seed production of Cucurbit crops	Cucurbits	Unemployment	1	5	-	-	-	-	-	-	-	-

Table 5.5. Sponsored Training Programmes

Client (F &FW/FW/RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Oth		SC		ST			
							M	F	M	F	M	F	M	F		
F &FW	Organic Grower	Crop production and management	Organic farming	Organic Grower	30	1	-	-	-	-	-	-	-	-	Skill development	-
F &FW	Vermicompost Producer	Crop production and management	Organic farming	Vermicompost Producer	30	1	-	-	-	-	-	-	-	-	Skill development	-
F &FW	Dairy Farmer - Entrepreneur	Livestock Production and	LPM	Dairy Farmer - Entrepreneur	30	1	-	-	-	-	-	-	-	-	Skill develop	-

Client (F &FW/FW/RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Oth		SC		ST			
							M	F	M	F	M	F	M	F		
		Management												ment		

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Training title	Self employed after training			Number of persons employed else where
	Type of units	Number of units	Number of persons employed	
Preparation of raised bed nursery of vegetable crops and their management	-	-	-	-
Organic farming	-	-	-	-
Mushroom Production	-	-	-	-
Processing and value addition potato (chips)	-	-	-	-
Processing and value addition Ber (Sarvat)	-	-	-	-
Backyard poultry farming	-	-	-	-

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Title	Thematic area	Sub-theme	Client (FW/RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Apr 2020 to March 2021

Area of Training	Apr 2020 to March 2021	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	4	100
Design and development of low/minimum cost diet	-	-
Designing and development for high nutrient efficiency diet	-	-
Minimization of nutrient loss in processing	-	-

Area of Training	Apr 2020 to March 2021	
	Courses	Participants
Processing and cooking	-	-
Gender mainstreaming through SHGs	-	-
Storage loss minimization techniques	-	-
Value addition	1	25
Women empowerment	-	-
Location specific drudgery reduction technologies	-	-
Rural Crafts	-	-
Women and child care	-	-
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	-	-

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Apr 2020 to March 2021

Area of Training	Apr 2020 to March 2021	
	Courses	Participants
Crop Production	2	50
Horticulture	2	50
Soil Health and Fertility Management	2	50
Livestock Production and Management	2	50
Agril. Engineering	2	50
Plant Protection	2	50
Fisheries	2	50
Production of Input at site	2	50
Capacity Building and Group Dynamics	2	50
Agro forestry	2	50

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
		Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
-	-	-	-	-	-	-	-	-	-	-

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
			M	F	M	F	M	F	M	F			
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	2	-	-	-	-	-	-	-	-	-	-	-	-
Awareness programme	5	-	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days	5	-	-	-	-	-	-	-	-	-	-	-	-
Diagnostic visits	20	-	-	-	-	-	-	-	-	-	-	-	-
Exhibition	3	-	-	-	-	-	-	-	-	-	-	-	-
Exposure visits	2	-	-	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	4	-	-	-	-	-	-	-	-	-	-	-	-
Farm advisory Services	15	-	-	-	-	-	-	-	-	-	-	-	-
Farmers visit to KVK	60	-	-	-	-	-	-	-	-	-	-	-	-
Field Day	4	-	-	-	-	-	-	-	-	-	-	-	-
Group meetings	5	-	-	-	-	-	-	-	-	-	-	-	-
Kisan Ghosthi/Sammelán	6	-	-	-	-	-	-	-	-	-	-	-	-
Kisan Mela	2	-	-	-	-	-	-	-	-	-	-	-	-
Krishi Mahotsav	1	-	-	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource	30	-	-	-	-	-	-	-	-	-	-	-	-

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
			Farmers (Others)		Farmers SC		Farmers ST		Extension Officials				
			M	F	M	F	M	F	M	F	Purpose	Topics	Crop Stages
persons													
Mahila Mandals conveners meetings	12	-	-	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	15	-	-	-	-	-	-	-	-	-	-	-	-
Pradhanmantri phasal beema yojana	2	-	-	-	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	45	-	-	-	-	-	-	-	-	-	-	-	-
Self Help Group conveners meetings	8	-	-	-	-	-	-	-	-	-	-	-	-
Soil health Camp	4	-	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	4	-	-	-	-	-	-	-	-	-	-	-	-
Technology Week	1	-	-	-	-	-	-	-	-	-	-	-	-
Radio talks	4	-	-	-	-	-	-	-	-	-	-	-	-
Extension literature	15	-	-	-	-	-	-	-	-	-	-	-	-
TV talks	12	-	-	-	-	-	-	-	-	-	-	-	-
Newspaper coverage	25	-	-	-	-	-	-	-	-	-	-	-	-
Film Show	4	-	-	-	-	-	-	-	-	-	-	-	-
Others	10	-	-	-	-	-	-	-	-	-	-	-	-

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	4	Vibhidh Bharti	Chhattarpur	Regional
TV talks	12	Aaj Tak, DD News	Bhopal	National
Newspaper coverage	25	Dainik Bhaskar, Naiduniya, Patrika	Tikamgarh	Local
Internet (Youtube)	10	Youtube	Tikamgarh	National
Social media (Whats App, Facebook, Instagram, Twitter etc.)	60	Whats App, Facebook, Instagram, Twitter	Tikamgarh	National

7. Literature Developed/Published

7.1 KVK Newsletters (Apr 2020 to March 2021)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
Tikamgarh	April to June 2020	Q1	500	500	Farmers
Tikamgarh	July to September 2020	Q2	500	500	Farmers
Tikamgarh	October to December 2020	Q3	500	500	Farmers
Tikamgarh	January to March 2021	Q4	500	500	Farmers

7.2 Literature developed/published

KVK Name	Type	Number of copies
Tikamgarh	Abstract	4
Tikamgarh	Book	-
Tikamgarh	Book Chapter	2
Tikamgarh	Booklet	3
Tikamgarh	Leaflets/ Folder/ Pamphlet	8
Tikamgarh	Popular article	10
Tikamgarh	Technical Bulletin	2
Tikamgarh	Training Manual	1
Tikamgarh	Technical Report	10
Tikamgarh	Year Planner	1

Research paper /Review paper published during Apr 2020 to March 2021

Name of KVK	Title of Research/ Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
Tikamgarh	-	-	-	-	-

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Tikamgarh	3	-	-

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Tikamgarh	Cereals	-	-	-	-	-	-
Tikamgarh	Pulses	Chickpea	JG 12, RVG 201	-	-	-	-
Tikamgarh	Vegetables	Brinjal, Pea & Bottle Gourd	VR14, VRP-6 & N Rashmi	-	-	-	-

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Tikamgarh	Fruits	Drumstick	PKM - 1	300	-	-	-
Tikamgarh	Fruits	Papaya	Red Lady	460	-	-	-
Tikamgarh	Vegetables	Onion	AFLR	6000	-	-	-
Tikamgarh	Vegetables	Brinjal	Kashi Sandesh	4850	-	-	-
Tikamgarh	Vegetables	Tomato	Kashi Vishesh	1000	-	-	-

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

KVK Name	List of Major Group Bio agent/ Bio fertilizers/ Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.)
Tikamgarh	Bio Fertilizers	Phosphate Solublizing Bacteria	65	65	19110	42	36
		Rhizobium	65	65	16300	35	27
		KSB	375	375	95550	195	175
		ZSB	375	375	110250	192	201
		Bio decomposer	36	36	10584	15	10
Tikamgarh	Bio Pesticides	Trichoderma viride	350	350	98200	155	102
		Pseudomonas fluorescens	850	850	272850	515	325

8.4 Livestock and fisheries production

KVK Name	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
Tikamgarh	Dairy animals	Cow	-	-	-	-	-	-
Tikamgarh	Poultry	Poultry	-	-	-	-	-	-
Tikamgarh	Piggery	Piglets	-	-	-	-	-	-
Tikamgarh	Fisheries	Indian carp	-	-	-	-	-	-

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during April 2020 to Mar. 2021 :

Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
					By KVKs		By Department	By KVK		By Department			Through Mini Soil Testing kit	Through Soil testing laboratory
	Sanctioned	Procured	Collected by KVKs	Provided by Dept./DDA	Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory					
Yes	-	-	1000	1200	1000	-	1200	982	-	1125	40	-	1000	-

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Tikamgarh	-	-	-	-	-

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Total Training Programmes conducted, using Farmer's Field School - Demonstration Unit													
Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								Total
					SC		ST		Other		General		
					Male	Female	Male	Female	Male	Female	Male	Female	
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Tikamgarh	2	1	2000	-	-

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Name of KVK	Date	Title of the training course	Client	No. of Courses	No. of Participants								Total
					SC		ST		Other		General		
					Male	Female	Male	Female	Male	Female	Male	Female	
Tikamgarh	-	Drip Irrigation	Farmers	1	-	-	-	-	-	-	-	-	-
Tikamgarh	-	Sprinkler Irrigation	Farmers	1	-	-	-	-	-	-	-	-	-

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Tikamgarh	April-March	2020-21	-	-	-	10

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Tikamgarh	2008-09	2012 Nov	04 + 02 (G-type + H-type)	Nil	Nil

14. Details of SAC Meeting during Apr. 2020 to Mar. 2021

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Tikamgarh	Kharif – Rabi (02)	50	-

15. Footfall of farmers in KVKs (Apr. 2020 to Mar. 2021)

Name of KVK	Footfall during 2020-21			
	No. of Farmers	No. of officials	No. of VIPs	Total
Tikamgarh	-	-	-	-

16. Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology	48	4	-	878	-
		Integrated Farming	20	1	-	878	-
		Field Preparation	12	2	-	878	-
2	Weather	Advisory	35	1	-	878	-
		Change in variety	32	1	-	878	-
		Change in Sowing technique	23	1	-	878	-
		Climate forecast	29	-	-	878	-
3	Soil Management	Soil Testing	34	1	-	878	-
		INM	25	-	-	878	-
		Fertilizer Application	19	1	-	878	-
		Vermicomposting/ bio-waste recycling	32	1	-	878	-
		Bio-fertilizer	17	1	-	878	-
4	Disease & Pest Management	Disease Management	24	1	-	878	-
		Pest Management	29	1	-	878	-
		Preventive Advisory Disease Management	32	1	-	878	-
		Preventive Advisory Pest Management	41	-	-	878	-
		Bio-pesticides	33	1	-	878	-
5	Nutrition Security & Women Empowerment	Nutrition Awareness	-	-	-	-	-
		Kitchen garden	-	-	-	-	-
		Value Addition and Processing	-	-	-	-	-

S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Drudgery Reduction	-	-	-	-	-
		Entrepreneurship & Income Generation	-	-	-	-	-
		Advisory	-	-	-	-	-
6	Horticulture	Vegetable	28	3	-	878	-
		Fruit	12	2	-	878	-
		Hi Tech Horticulture	8	1	-	878	-
		Any Other (Specify)	-	-	-	-	-
7	Livestock	Feed and Fodder	21	2	-	878	-
		Dairy Management	19	2	-	878	-
		Fisheries	-	-	-	-	-
		Poultry Management	18	1	-	878	-
		Vaccination & Disease management	36	1	-	878	-
		Any Other(Specify)	-	-	-	-	-
8	Farm Mechanization	-	-	-	-	-	-
9	Extension	-	-	-	-	-	-
10	Organic Farming	-	-	-	-	-	-
11	Marketing	-	-	-	-	-	-
12	Awareness	Swachhta Awareness	26	-	-	-	-
13	Other Enterprise	-	-	-	-	-	-
14	Any Other (Specify)	-	-	-	-	-	-

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Tikamgarh	ATMA	Central	-	-	-	-
Tikamgarh	MNREGA	Central	-	-	-	-
Tikamgarh	NHM	Central	-	-	-	-

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Tikamgarh	RKVY	Central	-	-	-	-
Tikamgarh	DRDA	Central	-	-	-	-
Tikamgarh	Seed Village	Central	-	-	-	-
Tikamgarh	NICRA	Central	-	-	-	-
Tikamgarh	NFSM	Central	-	-	-	-
Tikamgarh	PPV&FRA	Central	-	-	-	-

18. Status of Contingency Utilization April 2020 to March 2021

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Tikamgarh	-	OFT	-	-	-
		FLD (other than CFLD)	-	-	
		Training	-	-	
		Extension Activities	-	-	
		SAC Meeting	-	-	
		Special Programme (Pl. Specify)	-	-	
		Others (Pl. Specify)	-	-	

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01.01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Tikamgarh	11084739600	53733	-	Crop Cafeteria, Guest House, Training Hall

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/ National)	Awarding Organizations	Amount received
Tikamgarh	-	-	-	-	-

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
11000	Oilseeds	Soybean	RVS 2001-04, JS 9560, JS 2029, JS 2034, JS 9752	RVS 2001-04
		Mustard	RVM-2, Rohani, Pusa Jagannath, Pusa Agarani, Pusa Jai Kishan, Urvarsi, Arravali, Pusa Bold, Shyam 101, Ganga, VK 1008	RVM-2
		Sesame	GT – 4, TKG 308, TKG 306, TKG 55, TKG 22, JTS 8	GT – 4
	Pulses	Blackgram	Pratap Urd-1, IPU-94-1, Azad-1,3, Shekhar-2, Pant U-30, LBG-20	Pratap Urd-1
		Chickpea	RVG 201, JG-12, JG 63, JG 322, JG 16, JG 130, JG 11, JAKI 9218, JG 226	RVG 201, JG-12
		Greengram	TM 37, IPM 2-1, PDM 11	IPM 2-1
	Cereals	Wheat	DBW 110, GW-273, GW-322, GW-366, HI-1544, HI 1605, HI 8737, HI 8759, HI 1531, HI 9498, HI 8663, HI 2734, MP 4010, JW 3211, DW 110, HI 8713, HD 2733	DBW 110
		Barley	RD 2899	RD 2899
		Paddy	JRH-4, JRH-5, JRH-8, PS-5, PS-1, Mahamaya, WGL-32100, Pusa Basmati, Kranti, IR-64, JR-201, PS-3, Tarodi Basmati, IR-36, P-1121	JR-201
		Quinoa	Quinoa	Quinoa
	Vegetables	Tomato	Kashi Vishesh, Arka Rakshak, Kashi Anupam	Kashi Vishesh
		Brinjal	Kashi Sandesh, Kashi Taru, Kashi Prakash, Kashi Himani, Kashi Uttam, Kanahiya (Sungro)	Kashi Sandesh, Kashi Taru
		Drumstick	PKM-1, VRM-1	PKM-1, VRM-1
		Onion	AFLR, N-53	AFLR, N-53

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
		Pea	Kashi Nandi	Kashi Nandi
		Radish	Roshni	Roshni
		Broccoli	Faesta	Faesta
		Chilli	Navtej	Navtej
		Shimla Mirch	KSP 1403, Kalash	KSP 1403, Kalash
		Turnip	Red Round	Red Round
		Beet	Christmas Globe	Christmas Globe
		Carrot	Nandni	Nandni
		Spinach	Komal	Komal
		Cauliflower	Green Pearl, Sungro 67, 996	Green Pearl, Sungro 67, 996
		Potato	Kufri Ashoka	Kufri Ashoka
		Chaulai	Lal Chaulai	Lal Chaulai
	Medicinal	Bajradanti	Bajradanti	Bajradanti
		Alovera	Alovera	Alovera
		Gooler	Gooler	Gooler
		Sarpgandha	Sarpgandha	Sarpgandha
		Nirguni	Nirguni	Nirguni
		Badi Elachi	Badi Elachi	Badi Elachi
		Dhatura	Dhatura	Dhatura
		Tej Patta	Tej Patta	Tej Patta
		Baheda	Baheda	Baheda
		Bharamni	Bharamni	Bharamni
		Aprajita	Aprajita	Aprajita
		Aadosa	Aadosa	Aadosa
		Satavar	Satavar	Satavar
		Van Adrak	Van Adrak	Van Adrak
		Van Neebu	Van Neebu	Van Neebu
		Odomos	Odomos	Odomos

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
		Chitrak	Chitrak	Chitrak
		Insulin	Insulin	Insulin
		Saptparni	Saptparni	Saptparni
		Khamer	Khamer	Khamer
	Fruits	Pomegranate	Bhagwa	Bhagwa
		Kinnow	Avoharpunjab	Avoharpunjab
		Chikoo	Calcutta Round	Calcutta Round
		Mango	Amarpali	Amarpali
		Anolva	NA 7	NA 7
		Guava	Allahabadi Safed	Allahabadi Safed
		Papaya	Red Lady, Pusa Nanha	Red Lady
		Custard Apple	Local	Local
		Lemon	Round the year	Round the year
	Spices	Ginger	Suprabha	Suprabha
		Turmeric	Phoole	Phoole
		Garlic	Yamuna Safed	Yamuna Safed
		Coriander	Kalash Dhanian	Kalash Dhanian
		Fenugreek	Pusa Methi	Pusa Methi
	Flowers	Rose	Local	Local
		Marigold	Red colour	Red colour
	Fodder	Barseem	JB-1, BB-2	JB-1, BB-2
		Cactus	Spineless	Spineless
		Napier	IGFRI 10	IGFRI 10
		Oat	JS 0822	JS 0822

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1	Tikamgarh	-	-	-	-

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Tikamgarh	-	-

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Tikamgarh	1	260	Tikamgah	Palera	170	90
Tikamgarh	1	120	Prithivipur	Niwari	50	70
Tikamgarh	1	300	Jatara	Baldeogarh	190	110

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*
Tikamgarh	-	-	-	-	-	-	-

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained
			Your KVK	Other KVK	
Tikamgarh	Sagar	-	-	-	-
Tikamgarh	Chhattarpur	-	-	-	-
Tikamgarh	Panna	-	-	-	-

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Tikamgarh	-	-	-	-	-	-

28. Status of KVK Website during April 2020 to March 2021

S. No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020-21	No. of visitors during 2020-21
1	Tikamgarh	23.03.2015	http://kvktikamgarhjnkvv.nic.in/	-	-

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Tikamgarh	2020-21	-	-	-

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
1	Tikamgarh	-	-	-

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
1	Tikamgarh	-	-	-

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Tikamgarh	-	-	-	-

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Tikamgarh	-	-

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Tikamgarh	-	-	-	-

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Tikamgarh	-	-

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Tikamgarh	-	-	-	-	-

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Tikamgarh	-	-

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
Tikamgarh	-	-	-	-

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Tikamgarh	Gosthies	5	-	-
Tikamgarh	Lectures organized	12	-	-
Tikamgarh	Exhibition	3	-	-
Tikamgarh	Film show	2	-	-
Tikamgarh	Fair	-	-	-
Tikamgarh	Farm Visit	1	-	-
Tikamgarh	Diagnostic Practical's	-	-	-
Tikamgarh	Distribution of Literature (No.)	2000	-	-
Tikamgarh	Distribution of Seed (q)	-	-	-
Tikamgarh	Distribution of Planting materials (No.)	-	-	-
Tikamgarh	Bio Product distribution (Kg)	-	-	-
Tikamgarh	Bio Fertilizers (q)	-	-	-
Tikamgarh	Distribution of fingerlings	-	-	-
Tikamgarh	Distribution of Livestock specimen (No.)	-	-	-
Tikamgarh	Total number of farmers visited the technology week	-	-	-
Tikamgarh	Animal health camp	-	-	-
Tikamgarh	Awareness programme	1	-	-

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Tikamgarh	Cashless Transaction Week	1	-	-
Tikamgarh	Celebration of important days (Parthenium eradication week, Swachhata Abhiyan and Soil Health Day, International Women Day, National Integrity Day, World environment day, World forestry day, World Water Day)	6	-	-
Tikamgarh	Demonstration	3	-	-
Tikamgarh	Exposure visit	-	-	-
Tikamgarh	Extension activity	32	-	-
Tikamgarh	Ex-trainees Meet	2	-	-
Tikamgarh	Farmer scientist interaction	5	-	-
Tikamgarh	Farmers Training	12	-	-
Tikamgarh	Field Day	1	-	-
Tikamgarh	Field visit	4	-	-
Tikamgarh	Gajarghans Unmulan Pakhwada	1	-	-
Tikamgarh	Group Meeting	2	-	-
Tikamgarh	Hindi diwas pakhwada	1	-	-
Tikamgarh	Jai Kisan Jai Vigyan Sangoshthi	-	-	-
Tikamgarh	Narmada sewa Yatra	-	-	-
Tikamgarh	News Paper/Mass Media	10	-	-
Tikamgarh	Plant health camp	-	-	-
Tikamgarh	Plant Protection Week	-	-	-
Tikamgarh	Scientists visits in farmers field	4	-	-
Tikamgarh	Seed treatment campaign	2	-	-
Tikamgarh	Self Help Group convener meet	1	-	-
Tikamgarh	Soil health Camp	1	-	-
Tikamgarh	Swachha Bharat Abhiyan	1	-	-
Tikamgarh	Technology Week	1	-	-
Tikamgarh	Van Mahotsava	-	-	-
Tikamgarh	Others	-	-	-

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Tikamgarh	-	-	-	-

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants
Tikamgarh	Dairy Management	2	-
Tikamgarh	Disease management	1	-
Tikamgarh	Feed and fodder technology	1	-
Tikamgarh	Poultry management	1	-

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Tikamgarh	2	150	50

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Tikamgarh	-	-	-	-

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Tikamgarh	Tomato	20000	0.5	80
Tikamgarh	Chili	20000	0.4	50
Tikamgarh	Papaya	1000	0.5	60
Tikamgarh	Onion	40000	0.5	50
Tikamgarh	Moringa	3000	0.5	50
Tikamgarh	Brinjal	20000	0.5	50

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Tikamgarh	Trichoderma viride	350	102	155
Tikamgarh	Pseudomonas fluorescens	850	325	515

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Tikamgarh	Phosphate Solublizing Bacteria	65	36	42
Tikamgarh	Rhizobium	65	27	35
Tikamgarh	KSB	375	175	195
Tikamgarh	ZSB	375	201	192
Tikamgarh	Bio decomposer	36	10	15

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of area (ha)	No. of Farmers
Tikamgarh	Earthworm	0.25	10	15

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	List of resource conservation technologies introduced	Area (ha)	Number of farmers
Tikamgarh	-	-	-	-	-

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-

38. Activities for Sansad Adarsh Gram**Information about Sansad Adarsh Gram**

Name of KVK	Block	Village
Tikamgarh	1	1

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
OFTs	Blackgram / Soybean	5	-	-	-

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Awareness Camp	200	45	4	249

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
OFC	180	21	2	203

39. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	Tikamgarh
TITLE	-
Introduction	-
KVK intervention	-
Output	-
Outcome	-
Impact	-

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Tikamgarh	04	04

22. KVK, Umaria

PERIOD – January 2020 to December, 2020

Activity	Summary of the activities		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	29	400			
FLDs – Oilseeds (activity in ha)	2	50			
FLDs – Pulses (activity in ha)	3	175			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	01	10			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	06	39			
Training-Farmers and farm women	54	1350			
Training-Rural youths	7	140			
Training- Extension functionaries	7	175			
Extension Activities	35	1000			
Seed Production (Number of activity as seeds in quintal)	2	25			
Planting material ((Number of activity as quantity of planting material in quintal)	-	-			
Seedling Production (Number of activity as number of seedlings in numbers)	2	52000			
Sapling Production (Number of activity as number of sapling in numbers)	1	400			
Other Bio- products (No. of quantity)	1	10 ton			
Live stock products	-	-			
Activities of Soil and Water Testing Laboratory	1	500			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	100	18000			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
SAC Meeting (Date & no. of core/ official members)	2	June / Sept			
Literature to be Developed/Published	04	Mass			
Convergence programmes / Sponsored programmes	3	1500			
Utilization of Farmers Hostel	-	-			
Utilization of Staff Quarters	-	Full			
Details of KVK Agro-technological Park	01	100			
Crop Cafeteria-	2	Kharif/ Rabi			
Farm Innovators- list of 10 farm innovators from the District	-	Enclosed			
Status of Revolving Funds	-	-			
Awards and Recognitions	-	-			
Case study / Success Story to be developed	2	2			
KVK Progressive Farmers interaction	3	10			
Outreach of KVK in the District (No. of blocks, no. of villages)	-				
Technology Demonstration under Tribal Sub Plan	-				
KVK Ring	-	3			
Important visitors to KVK	5	-			
Status of KVK Website	-	Developed			
Status of RTI	-				
E-connectivity	-	-			
Details of Technology Week Celebrations	01				
Interventions on Drought Mitigation	-				
Proposal of NAIP	-				
Proposal of NICRA	-				
Well labeled photographs	-				
Other Activities	-				

1. GENERAL INFORMATION

1.1. Staff Position (as on date 01/01/2020)

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
Senior Scientist and Head	Dr. K.P. Tiwari	Agronomy	Ph.D	Agronomy	37400-67000	60600	22/9/14	Permanent	Gen.
Subject Matter Specialist1	Dr Vinita Singh	Home Science	NET Ph.D	Foods and Nutrition	15600-39100	34780	07/2/07	Permanent	Gen
Subject Matter Specialist2	Dr. R.R. Singh	LPM	Ph.D.	LPM	15600-39100	26590	13/10/11	Permanent	Gen
Subject Matter Specialist3	Shri Vivek Walke	Agril Engineering	NET	Agril Engineering	15600-39100	21600	18/8/2017	Permanent	ST
Subject Matter Specialist4	Vacant	-	-	-	-		-	-	-
Subject Matter Specialist5	Vacant	-	-	-	-		-	-	-
Subject Matter Specialist6	Vacant	-	-	-	-		-	-	-
Programme Assistant	Shri. K.K. Rana	Extension Education	Ph.D	Extension Education	7 th Pay	42700	27/01/2019	Permanent	OBC
Programme Assistant	Shri Arun Kumar Rajak	Computer	M.Tech/ M.E	Computer Science	7 th Pay	59100	08/04/2008	Permanent	OBC
Programme Assistant	Shir Kundan Muwel	Plant Breeding	M.Sc	Plant Breeding	7 th Pay	42700	19/08/2019	Permanent	ST
Accountant / superintendent	Vacant	-	-	-	-		-	-	-
Stenographer	Vacant	-	-	-	-		-	-	-
Driver	Shri Raju. Vishwakarma		12th passed	-	7 th Pay	27800	10/07/08	Permanent	OBC

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Driver	Sandeep Chourasiya	-	12th passed	5200-20200 + GP 1900	7 th Pay	27800	Permanent	OBC	OBC
Supporting staff	Vacant	-	-	-	-	-	-	-	-
Supporting staff	Vacant	-	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

1.2.1. Administrative & census -

Tehsil	Block	Geographical area (sqkm)	Village	Gram Panchayat	Population 2001	Literacy %	% of population	
							SC	ST
Karkeli	Karkeli	1678	277	107	190816	51.4	4.75	54.01
Manpur	Manpur	1952	211	83	167069	61.86	8.62	34.49
Pali	Pali	873	101	44	74945	57.17	4.98	64.14
District	Umaria	4503	589	234	432880	56.50	6.30	48.20

Particulars	Madhya Pradesh	Umaria
Population (2011)	72,597,565	644758
Decadal Population Growth Rate(2001-11)	20.30%	24.70%
Population Density Per Sq.km(2011)	236	158
Level of Urbanization(2011)	27.60%	17.20%
Proportion of ST Population(2001)	20.30%	44.00%
Contribution to State Economy(2008-09) -		0.59%
Per Capita Income(INR), Current Prices(2008-09)	24,709	17,313
Contribution of Primary Sector to Economy(2008-09)	31.50%	29.00%
Contribution of Secondary Sector to Economy(2008-09)	22.90%	29.70%
Contribution of Tertiary Sector to Economy(2008-09)	45.60%	41.30%

1.2.2. Geographical & Agricultural situation of Umaria-

- Longitude - 23⁰-31' N - 23⁰37' N
- Latitude - 30⁰-10' E - 800⁰50' E
- MSL - 487.95 M.

S. No.	Particulars	Area (ha)	% Area/Units
1.	Geographical area	450329 ha.	--
2.	Forest area	236714 ha.	52.56
3.	Net cultivated area	103188 ha.	22.91
4.	Waste-land area	32830 ha.	11.89
5.	Double cropped area	36499 ha	35.37
6.	Cropping intensity	--	135%
7.	Irrigated area	34050 ha.	32.99
8.	Average rainfall (mm)	--	1374.7 mm
9.	No. of farmers	--	800037
10.	Average size of land holding	0.17 ha.	--

1.2.3. Forest statistics of district Umaria

S. No.	Particulars	Nos.
1	Geographical area of the district:	450329 ha
2	Total forest area	236714 ha (52.56%)
3	Reserved forest	140835 ha (59.5%)
4	Protected forest	95869 ha (40.5%)
5	Forest area consist	
	Teak forest	2.77 %
	Sal forest	43.06 %
	Mix forest	37.17 %
	Other forest	7.55 %
6	Forest protection society	95 Nos (53040.46 ha)
7	Village forest society	111 Nos. (58187.294 ha)

1.2.4. Cropping pattern -

S. No.	Cropping pattern	Area (ha)	% of Net cultivated area
1.	Kharif crop - Rabi fellow	45997	44.57
2.	Kharif fellow- Rabi crop	20692	20.06
3.	Kharif crop - Rabi crop	36499	35.37
4.	Mono cropped area	66689	64.63

1.3. DETAILS OF ADOPTED VILLAGE during 1.1.2020 to 31.1.2020 (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Umaria	Taali-Dhaurkhoh	2014	Karkeli	10 KM	2779	131
Umaria	Barhai	2019	Pali	60	950	191
Umaria	Bharuli	2019	Manpur	65	1200	150

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Umaria	Varietal Diversification- Availability of quality seed through seed production technology and Seed replacement.
Umaria	Technological diversification
Umaria	Crop diversification
Umaria	Integrated farming system
Umaria	Rainwater and irrigation management
Umaria	Integrated nutrient management
Umaria	Integrated pest management
Umaria	Promotion of organic farming along with balanced nutrition.
Umaria	Strengthen of linkage between farmer's and extension system
Umaria	Farm mechanization and drudgery reduction
Umaria	Development of rural entrepreneurship for income and employment generation like Bee Keeping and mushroom cultivation
Umaria	Increasing productivity of vegetables
Umaria	Integrated livestock management
Umaria	Management of malnutrition
Umaria	Entrepreneurship development among the farm women

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Umaria	Lack of knowledge about milch Animals, poultry , fish and goatery management	PRA	Tali and Dhourkhoh Block Karkeli
Umaria	Lack of agro-technical knowledge,	PRA	Tali and Dhourkhoh Block Karkeli
Umaria	Low seed replacement rate,	PRA	Tali and Dhourkhoh Block Karkeli
Umaria	Traditional method of cropping,	PRA	Tali and Dhourkhoh Block Karkeli
Umaria	No use of improved farm implements,	PRA	Tali and Dhourkhoh Block Karkeli
Umaria	Mono cropping	PRA	Tali and Dhourkhoh Block Karkeli
Umaria	Lack of awareness about improved milch animals and their feeding habits,	PRA	Tali and Dhourkhoh Block Karkeli
Umaria	No knowledge of disease and insect pest management,	PRA	Tali and Dhourkhoh Block Karkeli
Umaria	No knowledge about women drudgery reduction and their lean period utilization	PRA	Tali and Dhourkhoh Block Karkeli
Umaria	No knowledge about soil test basis cropping system	PRA	Tali and Dhourkhoh Block Karkeli
Umaria	No knowledge about poultry, fish and goatery management,	PRA	Tali and Dhourkhoh Block Karkeli
Umaria	High magnitude of Protein energy malnutrition and micronutrient deficiency	PRA	Tali and Dhourkhoh Block Karkeli
Umaria	Low income of farm women due to lack of enterprises	PRA	Tali and Dhourkhoh Block Karkeli

2. On Farm Testing

2.1 Details of OFT on Crops

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendation
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
2020	Rabi	Poor yield of Tomato	Assessment of HYV with stacking	Assessment	Local variety without stacking	HVY of Himshikhar with stacking	HVY of Himshikhar without stacking	Crop Management	Crop-tomato	Irrigated	15	15	-	-	-	-	-	-	-
2020	Kharif	Due to use undecomposed organic matter creates problem of nutrient loss, weed, insect disease incidence increase	Assessment of growth & activity of Earthworm under different combination of bio	Assessment	Paddy Straw + Cow dung (3:1)	Paddy Straw + Trichoderma viridae @ 10 g/kg biowaste	Straw + Trichoderma Viridae @ 10 g/kg biowaste + Cow dung (3:1)	Bio waste management	Enterprises - Vermicompost	Irrigated All season	20	20	-	-	-	-	-	-	-

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendation
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
			waste – Paddy Straw																
2020	Kharif	No use of bio decomposer and create pollution through burn of crop residue.	Assessment of bio decomposer on decomposition of crop residues	Assessment	Farmers Practices (Decomposition of crop residue in open hip)	Decomposition of crop residue through bacterial base decomposer @ 500ml for one ton raw material	-	RCT		Rainfed	5	5	-	-	-	-	-	-	-

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendation
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
2020	Kharif	Low yield of paddy due to low organic content in soil	Assessment of integrated nutrient management in transplanted paddy under Rice-Chickpea cropping system	Assessment	NPK 60:40:0 Kg / ha	Green manuring + 25 % NPK through vermicompost, BGA + 50 % NPK through chemical fertilizers (STV) (100:60:40:20) kg	Green manuring through sun hemp + 75% NPK through chemical fertilizers (STV) (100:60:40:20) kg	CM	Crop Paddy	Irrigated	10	10	-	-	-	-	-	-	-
2020	Rabi		Assessment of Mycopensticide (<i>Beauveria bassiana</i>)	Assessment	Spray of Trizophos-40EC @ 1 ml/	Bird perches @ 50/ ha + Two spray of	Bird perches @ 50/ ha + Two spray of	IPM	Crop Chickpea	Rainfed	5	5	-	-	-	-	-	-	-

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendation
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
			a) and botanical (Neem oil) for management of Pod borer in chick pea		lit. after severe infestation of pod borer	<i>Beauveria bassiana</i> @ 1000ml/ha at 45 and 75 DAS	<i>Beauveria bassiana</i> @ 1000ml/ha + Neem oil @ 0.5% at 45 and 75 DAS												
2020	Summer	Low yield of Green gram due to growing local varieties	Assessment of Variety Virat, Samrat and Shikha of green gram during summer season	Assessment	Growing local variety with poor crop management	Growing Variety Virat with proper crop management	Growing HYV Shikha with proper crop management	Varietal	Crop Green Gram	Irrigated	10	10	-	-	-	-	-	-	-

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendation
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
2020	Kharif	Low yield of soybean crop	Assessment of system HVY JS-20-29& 20-34, 20-69 of soybean with ridge furrow system	Assessment	JS-335	JS-20-29	JS 20-34	JS-69	Crop Soybean	Rainfed	5	5	-	-	-	-	-	-	-
2020	Kharif	Heavy infestation of nematodes in Paddy	Assessment of green manuring and nematode control for control of nematode in Paddy	Assessment	No control of nematodes in Paddy	Green manuring with green gram black gram (10kg/ha)+soil treatment with	Nematodes @7.5 kg/ha at the time of sowing or in standing crop	Green manuring + Soil treatment with Pseudomonas+ application of nemat	IPM	Crop Paddy	Irrigated	5	5	-	-	-	-	-	-

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendation
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
						Pascelomyces @ 2.5kg/ha		es @ 3.75 kg/ha											
2020	Rabi	Heavy infestation of nematodes in Wheat	Assessment of green manuring and nematode control for control of nematode in Wheat	Assessment	No control of nematodes in Wheat	soil treatment with Pascelomyces @ 2.5kg/ha with vermicompost or FYM	Namet es @ 7.5 kg/ha at the time of sowing or in standing crop	soil treatment with Pascelomyces @ 2.5kg/ha with vermicompost or FYM + application of nemat es @ 7.5 kg/ha	IPM	Crop Wheat	Irrigated	5	5	-	-	-	-	-	-

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendation
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
2020	Kharif	Elephant foot yam	Low income of farmers	Assessment	No cultivation of Elephant foot yam	Variety - Gajendra	-	-	Crop Diversification	Crop Elephant foot yam	Irrigated	5	5	-	-	-	-	-	-
2020	Kharif	Ginger	Low yield of ginger	Assessment	Use of local variety	Variety - Suprabha	-	-	Varietal improvement	Crop-Ginger	Irrigated	5	5	-	-	-	-	-	-
2020	Kharif	Sugar beet	Low yield of Sugarbeet	Assessment	Imbalance use of fertilizer	Application of vermi-compost @ 2.5ton	Application of vermin-compo	-	INM	Crop-Sugar beet	Irrigated	15	15	-	-	-	-	-	-

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendation
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
						nes/ha	st @ 2.5ton nes/ha along with chemical fertilizers												
2020	Rabi	Watermelon	Low yield of Watermelon	Assessment	Imbalance use of fertilizer	Application of vermi-compost @ 2.5ton nes/ha	Application of vermin - compost @ 2.5ton nes/ha along with chemical fertilizers	-	INM	Crop-Watermelon	Irrigated	10	10	-	-	-	-	-	-

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.2 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.3 Details of OFT on Agriculture Engineering

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/ Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
2020	Kharif	labour crises, less efficiency of labour	Assessment of paddy transplanter in rice cropping	Assessment	Conventional method of paddy	Paddy transplanting with paddy	-	Farm Machinery	Paddy Transplanter	Irrigated	10	10							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/ Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
		Land and time consuming	Zero tillage system		Manual transplanting	Transplanter													
2020	Rabi	Low yield of wheat due to delay sowing	Assessment of Zero Tillage sowing of wheat in paddy-wheat cropping system	Assessment	Sowing of wheat after three ploughing	Sowing of wheat just after harvesting of paddy through zero drill machine	-	RCT	Crop Wheat	Irrigated	10	10							

2.3a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.4 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.5 Details of OFT on Agriculture Engineering

Year	Sea son	Probl em diagn ose	Title of OFT	Category of technology (Assessment/ Refinement)	Title of Technology/Variety			Themati c Area	Crop/ enterp rise	Farmi ng Situat ions	Targ et	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommen dations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	

2.5a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.6 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.7 Details of OFT on Animal Science

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/ Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	
2020	Summer	Low milk production due to unavailability of green fodder in summer	Assessment of production and feeding of hydroponics fodder of maize for dairy	Assessment	no use of green fodder	Hydroponics green fodder @25 kg per animal per day	-	Feed Management	Crop Fodder	Irrigated	10	10							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
		mer due to scarcity of water	animals																
2020	Kharif	Low milk yield due to non feeding of protein supplements	Assessment of Bypass protein feeding to lactating buffalo to increase milk yield	Assessment	No feeding of protein supplement	Feeding of 50g Bypass protein/Bufallo/day	-	Feed management	Enterprise Dairy	All type	5	5							

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
2020	Rabi	Low milk yield due to non feeding of calcium supplements	Assessment of Oral calcium feeding to lactating cow to increase milk yield	Assessment	No feeding of calcium supplement	Feeding of 100ml oral calcium/cow/day	-	Feed management	Enterprise Dairy	All type	5	5							
2020	Rabi	Low milk yield in goat	Assessment of mineral mixture feeding to lactating goat to increase milk yield	Assessment	No feeding of mineral mixture	Feeding of mineral mixture 10g/goat/day	-	Feed management	Enterprises Dairy	All type	5	5							

2.7a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.8 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.9 Details of OFT on Animal Science

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Title of Technology/ Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	

2.9a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.10 Economic Performance

KVK name	OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.11 Details of OFT on Fisheries

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Title of Technology/ Variety			Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recommendations
					T1	T2	T3						FP (T ₁)	RP (T ₂)	T3	FP (T ₁)	RP (T ₂)	T3	

2.11a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.12 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T ₁)	RP (T ₂)	(T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)

2.13 Information about Home Science OFT: (For All Thematic Area)

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristic s of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendation s
2020	Rabi	Manual decortication s of Mahua seed ,take more time and labor along with deterioration in quality of decorticated seed which gave less selling price.	Assessment of Mahua seed decorticator for improving decortications efficiency T1: Manual decortication T2: Use of mahua seed decorticator	Assessment	Drudgery reduction	Mahua seed decorticato r	Decorticator efficiency-100kg/h	Enterprise	10	
2020	Kharif	High magnitude of PEM among children	Assessment of impact of supplementatio n of multi grain flour on malnutrition status of children below 5 years of age T1: Use of wheat flour for chapatti making	Assessment	Nutritional security	Multigrain flour made up of Wheat, Sorghum, Chick pea, Linseed and green gram	High in Protein and energy	Enterprise	10	

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristic s of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendation s
			T2: Use of multi grain flour for chapatti making							
2020	Round the year	Low income of farm women due to lack of enterprises	Assessment of flower cultivation for income generation by farm women T1: No cultivation of flower T2: Marigold cultivation for income generation	Assessment	Income generation	Marigold cultivation Var-Pusa narangi	High yielding	Crop Marigold Rose	5	
2020	Rabi	High infestation of insect in seeds during storage	Assessment of pro super bags for safe storage of Wheat and gram T1: Use of gunny bags for storage of wheat and gram T2: Use of Pro	Assessment	PHM	Storage of Wheat and gram in Pro Super bags	Capacity-40 kg/bag Double layered air tight storage bags	Enterprise	10	

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
			super bag for storage of wheat and gram							
2020	Rabi	High magnitude of malnutrition among farm families	Assessment of Protein rich wheat variety – Poshan to improve the malnutrition status of the family T1: Use of variety LOK-1/GW-322 T2: Use of variety- Poshan(HI 8663)	Assessment	Crop Diversification and Nutritional security	Wheat variety- Poshan (HI 8663)	Suitable for timely sown and rainfed conditions Rich in protein and other nutrients like beta carotene Suitable for chapatti and Semolina purpose	Crop Wheat	05	
2020	Kharif	High magnitude and low immunity of malnutrition among farm families	Assessment of Black rice to improve the malnutrition status of the family T1: Use of variety	Assessment	Crop Diversification and Nutritional security	Black rice	Rich in various nutrients like beta carotene, protein and zinc	Crop Paddy	20	

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
			MTU1010 T2: Use of variety- Kala namak/Jamun surkhi/Kali kumud/BJR 11/Chikhav							
2020	Rabi	High magnitude of malnutrition among farm families	Assessment of Anthocyanin rich wheat variety – purple wheat to improve the immunity of the family T1: Use of variety LOk-1/GW-322 T2: Use of variety- Purple wheat	Assessment	Crop Diversification and Nutritional security	Wheat variety- Purple wheat	Rich in protein and other nutrients Anthocyanins	Crop Wheat	05	

2.13 (A) Economic Performance Home Science OFT: (For Drudgery Reduction)

OFT Title	Performance Indicator / Parameter													
	Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

2.13 (B) Economic Performance Home Science OFT: (For Income Genration)

OFT Title	Performance Indicator / Parameter											
	Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.13 (C) Economic Performance Home Science OFT: (For value addition)

KVK name	OFT Title	Performance Indicator / Parameter													
		Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.13(D) Economic Performance Home Science OFT: (For Nutritional security)

KVK name	OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
		Name of vegetable/Fruit/Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

2.14 Information about Extension OFT:

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials
2020	Round the year	Lack of Knowledge about KMA	Assessment of effectiveness of KMA for dissemination of Agriculture Technology.	Assessment	ICT	T1: No receiving information of KMA by the farmers. T2: Farmers continue receiving information through KMA.	-	All Type	1 (50 Farmers)
2020	Round the year	No use of social media for adoption of improved practices.	Assessment of social media for adoption of Improved cultivation practices.	Assessment	ICT	T1: No use of social media by the formers for adoption of improved practices T2: Use of social media by the farmers for adoption of improved practices.	-	All Type	1(100 Farmers/User)
2020	Round the year	No use of fertilizer as per recommendation of SHC.	Assessment of Knowledge and Adoption of soil health card-based	Assessment	Ext.	T1: Farmers are not Appling fertilizer as per recommendation of SHC.	-	All Type	1 (100 Farmers)

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials
			fertilizer application by the farmers			T2: Farmers are Applying fertilizer as per recommendation of SHC.			

2.15 Result/Findings

Performance indicators/Parameters	Unit/ details

Commodity Based FPO Formation

S.No.	Commodity	FPO	Work	Location	Remark	Nodal Officer
1.	Vermi-compost	Farmer Producer Company on Vermi-composting	- Recycling of natural available bio waste through vermin composting - Processing and Packaging - Local, District and state level marketing	Village- Tali (Karkeli) Village- Bharauli (Manpur) Village- Barhai (Pali)	- An average 400 tonnes of vermin-compost will be produced at viilage level having a population of 200 families - The approximate gross income generated will be 28 Lakhs	Sh.Kundan Muwel
2.	Pulses	Farmer Producer Company on Value addition of Pulses	Processing of pulses Pigeon pea, Chick pea, Filed pea, Lentil, Green gram and Black gram in the form of	Village- Tali (Karkeli) Village- Bharauli (Manpur)	In the district, the toltal pulse cultivated area is 30 thousand ha including summer,	Sh. K.K. Rana

S.No.	Commodity	FPO	Work	Location	Remark	Nodal Officer
			dehulled split dal - Processing and Packaging - Local, District and state level marketing		kharif and rabi season. The approx. total production of pulses is around 19800 tonnes which has a value of around 79 crores. After processing the Value increases up to 100 crores Approx. 100 dal mills of 1q/hour capacity will be required in the district	
3.	Mahua	Farmer Producer Company on Processing and Value addition of Mahua	- Flower- Processing (Flower collection through green net, drying in poly tunnels, Cleaning and Stamen removal and Packaging - Mahua seed (Guli)- Collection, drying, proper decortications and packaging - Local, District and state level marketing	Village- Tali (Karkeli) Village- Bharauli (Manpur)	- Approx. area 16875 ha - Production 75000 tonnes - Total value 150 crores - After processing the value will be increased upto 180 crores	Dr. Vinita Singh

Implementation Plan

- Awareness programmes
- Skill development through trainings and demonstrations
- Facilitate in the development of FPO with the help of line department
- Help in preparation of technical project
- Bank linkage

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (during - 2019)

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
paddy	Crop Management	Demonstration of Cono weeder for the weed management in SRI System of paddy	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	2	5	1
kodo	Crop Management	Demonstration of HYV JK-41 of kodo millet	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	2	10	4
Pegioen pea	Crop Management	Demonstration of HYV of Pegioen pea	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	2	5	5
Black gram	Crop Management	Demonstration of Black Gram LBG-20	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	2	13	5
Sesame	Crop Management	Demonstration of Sesame variety TKG 55	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	1	13	5
Mustard	Crop Management	Demonstration of variety Pusa tarak of Mustard		1	13	5

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
Pigeon pea SPI	Crop Management	Demonstration of HYV TJT – 501 of pigeon pea with full package & practices under NFSM	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	3	116	50
Azolla	Enterprises	Demonstration of Azolla feeding to increase milk yield of lactating cow	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	1	5	5
Dewarmer	Enterprises	Demonstration of dewormer to control calf mortality	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	1	5	5
Kadaknath	Enterprises	Demonstration of Kadaknath bird two increase body weight in backyard system of poultry production	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	2	10	5
Gram	Crop Management	Demonstration of variety JG-63 ,Jg-14,JG-226 of Gram with full package & practices under NFSM	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	2	100	40
Linseed	Crop Management	Demonstration of JLS-27 variety Linseed of with full package & practices under NFSM	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	2	25	10
Napier grass	Enterprises	Demonstration of Napier grass feeding increase the milk yield of lactating buffalo	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	1	5	5

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
Jw3288 GW3336 Lok -1	Crop Management	Demonstration of HYV GW-3336, JW 3288, lok-1 of wheat under TSP project (late sown)	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	2	35	6.4 3.2 4.4
Gram	Crop Management	Demonstration of Gram HYV JG-11 under TSP project (late sown)	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	2	9	4.5
Pea	Crop Management	Demonstration of HYV Pea JM-6 under TSP project (late sown)	Group meeting, kisan sangosthi, farmers training programme, field demonstration, folder distribution etc	2	20	4
paddy	Crop Management	Demonstration of Sesame variety TKG 55	Group meeting, kisan sangosthi, farmers training Field dayprogramme, field demonstration, folder distribution etc	2	5	1

3.2 Details of FLDs on Crop to be implemented during 2020

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	ICM	Demonstration of Sesame variety TKG 55	Sesame	TKG 55	10	-	-	-	-	-	-	-	25
2020	Kharif	ICM	Demonstration of rice variety MTU 1010 under SRI on SHC based	Paddy	MTU 1010	5.2	-	-	-	-	--	-	-	13

Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	ICM	Demonstration of HYV TJT – 501 of pigeon pea with full package & practices under NFSM	Pigeon pea	TJT 501	30	-	-	-	-	-	-	-	75
2020	Kharif	ICM	Demonstration of HYV TJT – 501 of pigeon pea with full package & practices under SPI	Pigeon pea	TJT 501	10	-	-	-	-	-	-	-	25
2020	Rabi	ICM	Demonstration on application of Zn in HYV JW-3211/3288 of wheat under semi irrigated conditions on SHC basis	Wheat	JW-3211/JW3288	5	-	-	-	-	--	-	-	13
2020	Rabi	ICM	Demonstration of variety Pusa tarak of Mustard	Mustard	Pusa tarak	10	-	-	-	-	--	-	-	25
2020	Rabi	ICM	Demonstration of variety JG-14 of Gram with full package & practices under NFSM	Gram	JG-14	30	-	-	-	-	--	-	-	75

3.3 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.4 Details of FLDs on Agriculture Engineering to be implemented during 2020

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.5 Economic Impact of FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.6 Details of FLDs on Animal Science to be implemented during 2020

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	LPM	Demonstration of De-oiled mahua seed cake for feeding to lactating buffalo to increase milk yield T1: No feeding of mahua seed cake T2: Feeding of 40g/day mahua seed cake	Enterprises Dairy	Mahua seed cake	06	-	-	-	-	-	-	-	6

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Kharif	LPM	Demonstration of Azolla for feeding to lactating buffalo to increase milk yield T1: No feeding of Azolla T2: Feeding of green azolla 1.5 kg/day	Enterprises Dairy	Azolla	06	-	-	-	-	-	-	-	6
2020	Rabi	LPM	Demonstration of Azolla for feeding to lactating goat to increase milk yield T1: No feeding of Azolla T2: Feeding of green Azolla 250 g/day	Enterprises Goatry	Azolla	06	-	-	-	-	-	-	-	6

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
2020	Rabi	LPM	Demonstration of Probiotic Biovet YC gold feeding to goat kids to increase body weight T1: No feeding of Probiotics T2: Feeding of Probiotic Biovet YC gold 5g/day in every alternate week	Enterprises Goatry	Probiotic Biovet YC gold	06	-	-	-	-	-		-	6

3.7 Economic Impact of FLD

Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.8 Details of FLDs on Fishery to be implemented during 2020

Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
							FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total

3.9 Economic Impact of FLD

Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

3.10 Information about Home Science FLDs - (For All Thematic Area)

Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology /Enterprises	Farming Situation	Proposed area (ha)	No. of Beneficiaries
2020	Kharif	Income generation	Low income of farm women	Demonstration on Income generation through oyster mushroom cultivation by Farmwomen	Enterprise (Mushroom)	Mushroom (Paddy straw mushroom)	Irrigated	-	10
2020	Round the year	Nutritional security	Low availability of vegetables in the daily diet	Establishment of kitchen garden for nutritional security	Crop Nutritional Kitchen Garden	Improved varieties of vegetables and fruits	Irrigated	0.25 ha	30
	Kharif	Income	No use of	Demonstration	Enterprise	Vermi-	Irrigated	-	05

Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology /Enterprises	Farming Situation	Proposed area (ha)	No. of Beneficiaries
2020		generation/Bio waste management	bio- waste for income generation	on bio-waste through vermi-compost production in vermi-beds	(Vermi-compost)	composting Earthworm variety Eiseia foetida			

3.11(A) Economic Performance Home Science FLD: (For Drudgery Reduction)

FLD Title	Performance Indicator / Parameter													
	Output m ² /h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.11 (B) Economic Performance Home Science FLD: (For Income Generation)

FLD Title	Performance Indicator / Parameter											
	Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

3.11 (C) Economic Performance Home Science FLD: (For value addition)

FLD Title	Performance Indicator / Parameter													
	Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

3.11 (D) Economic Performance Home Science FLD: (For Nutritional security)

FLD Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of vegetable/Fruit/Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.12 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
		Field days	8		
		Farmers Training	8		
		Media coverage	12		
		Training for extension functionaries	2		

3.13 Details of FLD on crop hybrids.

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
-	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	-

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Umaria	SRI system of paddy	SRI system of paddy in 25 cm x 25 cm is better than 20cm x 20 cm	Higher yield	Good
Umaria	SPI system of pigeon pea	Planting of one month old seedlings grown in poly bags planted in 100 cm x 100cm	Higher yield	Good
Umaria	Summer green gram	HYV SML-668 grown during summer season	Higher yield and increase soil quality	Good

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Umaria	OFT on SRI system of paddy for the spacing assessment 25 cm x 25 cm spacing gave the best yield over spacing of 20 cm x 20 cm.
Umaria	OFT of SPI system in pigeon pea found too higher yield over farmers practice i.e. normal sowing system.
Umaria	OFT of treatment of recilonaic acid surrounding the crop field gave the better protection from wild animals.
Umaria	OFT of Azolla feeding to lactating animals gave the higher yield over the control.
Umaria	OFT of application of Whats app for dissemination the new agro technology was found better option for timely need based information.

5. TRAINING PROGRAMMES

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. Of participants to be involved
Umaria	PRA	PRA	13/11/2014	15

Table 5.2. Details of Training programmes to be conducted by the KVKs.

Cate- gory(F/F W/IS/Ry)	Training Type (ONC/OFC)	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	OFC	AEG	Deep ploughing	1	1	25								
FW	OFC	AEG	Introduction and benefits of happy seeder	1	1	25								
FW	OFC	AEG	Zero tillage manmageent and benefits	1	1	25								
FW	OFC	LPM	Fodder production	1	1	25								
FW	OFC	LPM	Management of farm animal	1	1	25								
FW	OFC	LPM	Goat management	1	1	25								
RY	OFC	LPM	Dairy farm management	1	5	25								
RY	OFC	LPM	Management of poultry Production	1	5	25								

Category(F/F W/IS/Ry)	Training Type (ONC/OFC)	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IS	OFC	LPM	Management of farm animals	1	1	25								
IS	OFC	LPM	Live stock Feed and fodder production	1	1	25								
FW	OFC	CBD	Entrepreneurship development for rural migrated workers/ /farmers/poor	1	1	25								
FW	OFC	CBD	Use of ICT tools/Mobile app in agriculture during COVID-19 pandemic	1	1	25								
FW	OFC	CBD	Awareness of farmers about adaption of new agriculture (IFS)	1	1	25								
FW	OFC	CBD	Adoption of Improved technology OF oilseed crops	1	1	25								
FW	OFC	CBD	Adoption of Improved technology of Pulses crops	1	1	25								
FW	OFC	CBD	Process of Group Formation & Farmers Producer Organizations (FPOs)	1	1	25								
FW	OFC	CBD	Process of soil sample collection and its importance	1	1	25								
FW	OFC	CBD	Importance of Seed Treatment	1	1	25								
FW	OFC	CBD	Production Technology of Pigeonpea under NFSM	1	1	25								

Category(F/F W/IS/Ry)	Training Type (ONC/OFC)	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	OFC	CBD	Production Technology of Sesame under NFSM	1	1	25								
FW	OFC	CBD	Production Technology of Chickpea under NFSM	1	1	25								
FW	OFC	CBD	Production Technology of Mustard under NFSM	1	1	25								
RY	OFC	CBD	Nursery Management in Fruit and Vegetables	1	5	25								
RY	OFC	CBD	Lac cultivation	1	5	25								
IS	ONC	CBD	Doubling of farmers income	1	1	25								
IS	ONC	CP	Summer Green gram cultivation technique	1	1	25								
FW	OFC	CP	Integrated weed management of paddy	1	1	25								
FW	OFC	CP	Integrated weed management of kharif Pulses	1	1	25								
FW	OFC	CP	Package & practices of kharif oil seeds crop.	1	1	25								
FW	OFC	CP	Package and practices of chickpea	1	1	25								
FW	OFC	CP	Package and practices of mustard	1	1	25								
FW	OFC	CP	Package and practices of wheat	1	1	25								
RY	ONC	CP	Bee keeping technology	1	5	25								
RY	ONC	CP	Vermi Compost technology	1	5	25								
INS	ONC	CP	Package & practices of	1	1	25								

Category(F/F W/IS/Ry)	Training Type (ONC/OFC)	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			kharif crops for doubling income											
INS	ONC	CP	Package & practices for rabi crops for doubling incomes	1	1	25								
FW	OFC	PLP	IPM on paddy	1	1	25								
FW	OFC	PLP	IPM of Kharif pulses	1	1	25								
FW	OFC	PLP	IPM on Rabi pulses	1	1	25								
FW	OFC	WOE	Malnutrition-causes and prevention	1	1	25								
FW	OFC	WOE	Nursery management for income generation	1	1	25								
FW	OFC	WOE	Nutritional importance and processing techniques of millets	1	1	25								
FW	OFC	WOE	Balanced diet for various age groups	1	1	25								
FW	OFC	WOE	Women friendly drudgery reduction technologies	1	1	25								
FW	OFC	WOE	Various preservation techniques for horticultural crops	1	1	25								
FW	OFC	WOE	Nutritional gardening	1	1	25								
FW	OFC	WOE	Flower cultivation for income generation	1	1	25								
FW	ONC	WOE	Mushroom production technology	1	1	25								
FW	ONC	WOE	Vermi compost production	1	1	25								
FW	OFC	WOE	Preparation of Iron rich	1	1	25								

Category(F/F W/IS/Ry)	Training Type (ONC/OFC)	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			recipes to prevent anaemia											
FW	OFC	WOE	Safe storage practices	1	1	25								
IS	ONC	WOE	Malnutrition and its management	1	1	25								
RY	ONC	WOE	Processing and value addition of agricultural produce	1	5	25								

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Umaria	Beekeeping	Enterprise	CBD	5						
Umaria	Mushroom production technology	Enterprise	CBD	5						
Umaria	Vermi compost production technology	Enterprise	SFM	5						
Umaria	Nursery management	Enterprise	CBD	5						
Umaria	Processing and preservation of agricultural produce	Enterprise	WOE	5						

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Umaria	Production of quality animal products				
Umaria	Management of poultry Production				
Umaria	Nursery production technology of vegetables/ under net house				
Umaria	Nursery production technology of fruit & timber plants				

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Umaria	Entrepreneurship development for rural poor				
Umaria	Income generating activities for farm women				
Umaria	Vermi compost production technology				
Umaria	Seed production technology of paddy				
Umaria	Seed production technology of wheat				

Table 5.5. Sponsored Training Programmes

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
Production technology of pigeon pea	CP		FW	3	3							NFSM	
Production technology of chick pea	CP		FW	3	3							NFSM	
Production technology of Mustard	CP		FW	1	1							NFSM	
Production technology of Sesame	CP		FW	1	1							NFSM	
Production technology of wheat	CP		FW	2	2							TSP wheat	
Production technology of Qunioa	CP		FW	3	3							TSP Quinoa	
Prodictuion technology of crops under organic farming PKVY	CP		FW	3	3							PKVY	

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Umaria	PRA for rural need assessment	CBD												
Umaria	Improved production technology of timber / fruit plant ssp.	AGF												
Umaria	Medicinal plants cultivation technology	AGF												
Umaria	Live stock Feed and fodder production	LPM												
Umaria	Importance of special days for panchayat	CBD												
Umaria	Training on information technology	CBD												

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Advisory Services	40										
Agri mobile clinic	1										
Animal Health Camp	1										
Awareness programme	1										
Celebration of important days	3										
Diagnostic visits	5										
Exhibition	2										
Exposure visits	1										
Extension Literature	4										
Ex-trainees Sammelan	1										
Farm advisory Services	40										
Farm Science Club conveners meet	1										
Farmers Seminar/Workshop	2										
Farmers visit to KVK	10										
Field Day	8										
Film Show	12										
Group meetings	4										
Interface	1										
Kharif/Rabi Sammelan	2										
Kisan Ghosthi	2										
Kisan Mela	1										
Krishi Gyan Doot meet	1										
Krishi Mahotsav	1										
Lectures delivered as resource persons	5										
Mahila Mandals conveners meetings	1										

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials				
			M	F	M	F	M	F	Purpose	Topic s	Crop Stages
Method Demonstrations	5										
Newspaper coverage	12										
Popular articles	5										
Pradhanmantri phasal beema yojana	1										
Radio talks	1										
Scientific visit to farmers field	4										
Self Help Group conveners meetings	1										
Soil health Camp	1										
Soil test campaigns	1										
Summer deep ploughing campaigning	1										
Technology Week Celebration	1										
TV talks	1										
Workshop	1										
Awareness programmes on COVID-19 precautions	4-										

7. Production and supply of Technological products

7.1 Seed production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Umaria	Cereals								
Umaria		Sunhemp	M-19	SD	20.0	qtl	100000	200	0.00
Umaria	Fruits	Mango , Guava	Amrapali, Dussheri	PM	400	No	16000	16	3 ha

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
			L-49, allahabadi Safeda						

7.2 Planting Material production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Umaria	Vegetable seedling production	Brinjal, Chilli, Tomato, Cauliflower, Cabbage			5 ha	Improved varieties		50000			
Umaria	Flower	Marigold			2 ha	Pusa narangi		5000			

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Umaria	BIOAGENTS				
Umaria	BIOFERTILIZERS				
Umaria	BIO PESTICIDES				
Umaria	Vermi-compost	100 qtl	10000		

7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Umaria	Cattle	Jersey	Milk				
Umaria	Buffalo						
Umaria	Sheep and Goat						
Umaria	Poultry						
Umaria	Fisheries						
Umaria	Others (Specify)						

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES

Year of establishment : -

8.1 Details of soil & water samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Umaria	Working	`	Soil testing through Mridaparikshak	500	500	10		

8.2 Details of water samples analyzed so far :

Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)
-	-	-	-	-	-	-	-

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/Ry/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants			No. of officials		
				Male	Female	Total	Male	Female	Total	Male	Female	Total
-	-	-	-	-	-	-	-	-	-			

10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	Area of Messages	No. of beneficiaries		No of Village Covered	Major recommendations
Umaria	40	Agriculture and allied	18000	18000	Whole District	

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Umaria	June , 2020		
Umaria	September,2020		

12. Literature to be Developed/Published (with full title, author & reference)

12.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Umaria	I st January - March	Quarterly I	1000	1000
Umaria	II nd April - June	II	1000	1000
Umaria	III rd July-Sept	III	1000	1000
Umaria	IV Oct-Dec	IV	1000	1000

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper	2				
Technical folder	4				
Technical reports	12				
Popular article	8				
News paper coverage	30				
Year Planner	1				
Others (pl. specify) News letter	4				

13. Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Umaria	ATMA					
Umaria	MNREGA					
Umaria	NHM					
Umaria	RKVY					
Umaria	DRDA					
Umaria	Zila Panchyat					
Umaria	Seed Village					
Umaria	NAIP					
Umaria	Climate Change					
Umaria	Others (Plz. Specify)					

14. Utilization of Farmers Hostel.**Accommodation available (No. of beds):**

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Umaria	Nil	Nil	Nil	Nil	Nil	Nil	

15. Utilization of Staff Quarters.

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Umaria	2014	2014	5	0	-

16. Details of KVK Agro-technological Park –**a) Have you prepared layout plan, where sent?**

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
1	Umaria	Yes	ZPD, DES

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Umaria	Crop Cafeteria	Established
Umaria	Technology Desk	Established
Umaria	Visitors Gallery	Established
Umaria	Technology Exhibition	Established
Umaria	Technology Gate-Valve	Established

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
	Kharif crop cafeteria Paddy, Black gram, Green gram, kodo, little millet, sesame etc	20
	Rabi crop cafeteria Wheat, chickpea, lentil, linseed & mustard	20

17. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Umaria	Shri Ramkumar kushwaha	Integrated farming system & SPI&SMI	Rampur, Karkeli
2	Umaria	Shri Anurag Shukla	SRI system,Paddy Transplanter	Chandia, Karkeli
3	Umaria	Shri Unus Khan	Integrated farming system	Chadania, Pali
4	Umaria	Smt.Shyama Bai	Floriculture	Tala Manpur
5	Umaria	Shri Ramkinkar pande	SRI system SMI,SWI	Kherwakhurda, Karkeli
6	Umaria	Shri Sunil Tiwari	Block plantation technology	Dubbar, Karkeli
7	Umaria	Shir Arjun Kumar Mehara	Beekeeping	Barwapur , Block Pali
8	Umaria	Shri Rajesh Jaiswal	Floriculture , Vermi compost	Sastara , Karkeli
9	Umaria	Shri Pawan Mishra	Hi-tech horticulture	Ghunghoti, Pali
10	Umaria	Shri Dileep Yadav	Mushroom Production	Koilari, Karkeli

18. KVK interaction with progressive farmers-

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1.	each KVK had already sent a list of 100 progressive farmers to the ZPD, Zone VII, Jabalpur	

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Umaria	Karkeli, Manpur	Pali	Tali,Bharoli,Dhorkhoh, Barhai, Dhawaijhar, Pali, Badwar, Chandia	All villages through KMA and other activities.

Intensive- OFTS, FLDS etc; **Extensive-** Literatures, Publications, and Awareness programmes etc.

20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Name of crop under Technology demonstration	Expected Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages to be covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*
Wheat (AICRP- Wheat)-JW3288	6 ha	15	01	02	-	-
Chick pea- (AICRP- Chick pea) JG 14	8 ha	20	01	02	-	-
Quinoa	28 ha	70	06	02	-	-

Other Activities to be undertaken:

Name of crop under Technology demonstration	Expected Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages to be covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*
PKVY- Organic farming	20 ha	50	01	1	-	-
AICRP- Sesame & Niger	08 ha	20	02	2	-	-
Fruit orchard Establishment	2 ha	10	02	1		

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Shahdol to Umaria	Manpower / Knowledge: 1.Irrigation system layout by Agri. Eng. SMS 2. Tractor Driver 3. Resource person in VTP training Machinery / Technology: 1. Irrigation system layout planning 2. Tractor along with leveller Material / Inputs: Planting material of different types	
2	Umaria to Shahdol	Manpower / Knowledge: Medicinal cultivation Material / Inputs: 1 Seeds for Crop cafeteria seeds 2. Sesame seeds variety TKG-22 for FLD Program. 3. Niger seed	
3	Dindori to Umaria	Material / Inputs: Plants, new technological products like light trap	
4	Umaria to Dindori	Manpower / Knowledge: Horticulture & Agro forestry services Machinery / Technology: Paddy line marker	

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Umaria	March 2013	Nil	Nil

24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1	Umaria	Nil	Nil

25. E-CONNECTIVITY (ERNET Lab)

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			
Umaria	Nil	Nil	Nil	Nil	Nil	Nil	Nil

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Umaria	Gosthies	01		
Umaria	Lectures organized	05		
Umaria	Exhibition	02		
Umaria	Film show	05		
Umaria	Fair	01		
Umaria	Farm Visit	05		
Umaria	Diagnostic Practical's	-		
Umaria	Distribution of Literature (No.)	500		
Umaria	Distribution of Seed (q)	1q		
Umaria	Distribution of Planting materials (No.)	2000		
Umaria	Bio Product distribution (Kg)	50		
Umaria	Bio Fertilizers (q)	1		
Umaria	Distribution of fingerlings	1000		
Umaria	Distribution of Livestock specimen (No.)	0		

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Umaria	Total number of farmers visited the technology week	100		
Umaria	Animal health camp	01		
Umaria	Awareness programme	01		
Umaria	Cashless Transaction Week			
Umaria	Celebration of important days (Parthenium eradication week, Swachhata Abhiyan and Soil Health Day, International Women Day, National Integrity Day, World environment day, World forestry day, World Water Day)	01		
Umaria	Demonstration	04		
Umaria	Exposure visit	02		
Umaria	Extension activity	05		
Umaria	Ex-trainees Meet	01		
Umaria	Farmer scientist interaction	01		
Umaria	Farmers Training	03		
Umaria	Field Day	01		
Umaria	Field visit	04		
Umaria	Gajarghans Unmulan Pakhwada	01		
Umaria	Group Meeting	01		
Umaria	Hindi diwas pakhwada	01		
Umaria	Jai Kisan Jai Vigyan Sangoshthi	01		
Umaria	Narmada sewa Yatra	01		
Umaria	News Paper/Mass Media	All activities		
Umaria	Plant health camp	0		
Umaria	Plant Protection Week	0		
Umaria	Scientists visits in farmers field	04		
Umaria	Seed treatment campaign	01		
Umaria	Self Help Group convener meet	01		
Umaria	Soil health Camp	01		
Umaria	Swachha Bharat Abhiyan	01		
Umaria	Technology Week	01		

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Umaria	Van Mahotsava	01		
Umaria	Others (Pl. Specify)	-		

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
	Umaria	Oilseeds		
	Umaria	Pulses		
	Umaria	Cereals		
	Umaria	Vegetable crops		
	Umaria	Tuber crops		
	Umaria	Fruits		
	Umaria	Spices		
	Umaria	Cotton		
		Total		

Farmers-scientists interaction on livestock management

Sl.No.	Name of KVK	Livestock components	Number of interactions	No.of participants
1	Umaria	Dairy Management		
2	Umaria	Disease management		
3	Umaria	Feed and fodder technology		
4	Umaria	Poultry management		

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Umaria	2		

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings and Saplings				
Umaria	Vegetables	50000	05	50
Umaria	Fruits	400	03	16

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of area (ha)	No. of farmers

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Umaria	PSB, Azotobactor, Rhizobium, Trichoderma viridae	30000(pkt)	10000	500

Worms Produced

Name of KVK	Vermes Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Umaria	Vermes	5		

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers
Umaria	Wheat JW-3211, zero tillage	4	

Awareness Campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Umaria	2	50	5	100	6	350	2	1000	1	100	2	50

28. Activities proposed of Satellite Village on Doubling Farmer's Income

Information about Satellite Village

Name of KVK	Block	Village
Umaria	Karkeli	Tali

1. Proposed Activities for Natural Resource Management:-

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
Assessment of intercropping in transplanted pigeon pea for ensuring higher returns and minimizing risk due to adverse climate in pigeon-pea fellow cropping system	05	05	01	5	
Assessment of bio decomposer on decomposition of crop residues	05	05	01	5	
Demonstration of HYV TJT – 501 of pigeon pea with full package & practices under SPI	25	25	10		

2. Proposed Activities for Crop Diversification:-

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
Assessment of economic returns of Paddy –quinoa cropping system over existing cropping system	05	05	02	05	In each steatite village
Assessment of mushroom production for income generation among farm women	05	05	-	05	
Plantation of Sindoor, Papaya, Custard apple and Drumstick for income generation	05	05	0.5	05	
Lack cultivation on semi lata	15	15	0.2	15	

3. Proposed Activities for Crop Production

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks
Demonstration of rice variety MTU 1010 under SRI on SHC based	5.2	13	
Demonstration of HYV JW-3211 of wheat under semi irrigated conditions on SHC basis	5.2	13	

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks
Demonstration on Paddy transplanter	10	25	

4. Proposed Activities for Livestock and Fisheries

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
Distribution of fingerlings of(Rohu, Katla, Mrigal) for fish production	2000 each	05	01	05	
AI of dairy animals for breed improvement	50	50	-	50	
Breed improved in goat	10	10	-	10	

5. Proposed Activities for Livelihood Security to small and marginal land holders:-

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
Bee keeping unit	2 boxes each	10	-	10	
Vermi-compost production unit	10	10	--	10	
Establishment of tunnels polyset for nursery management	04	04	-	04	
Poultry (Kadakhnath) production	20 each	10	-	10	
Hatchery unit for promotion of Kadakhnath variety of poultry	01	01	-	01	

6. Proposed Activities for Institutional Interventions

Name of intervention undertaken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
Institutional linkage with allied departments like Agriculture, Horticulture, ICDS, Ag. Engg., Veterinary etc.	-	-	-	

7. Proposed Activities for Capacity Building

Thematic area	No. of Courses	No. of beneficiaries		
		Male	Female	Total
Training on crop improvement	04			
Training on resource conservation technology	04			
Training on income generation activities	05			
Training on diversification of crops	02			
Training on post harvest technology and management	02			

8. Proposed Extension Activities in Satellite Village

Thematic area	No. of activities	No. of beneficiaries		
		Male	Female	Total
Field Day	02			
Sangosthies	04			
Film show	04			
Farmers Scientist meet	02			
Demonstration	10			
Literature distribution	2000			
Exhibition cum kisan mela	01			
Special day celebration	02			

29. Activities proposed in Nutri-Smart Village**Information about Nutri-Smart Village**

Name of KVK	Block	Village
Umaria	Karkeli	Tali

2. Innovative practices to promote nutrition-sensitive agriculture and food security :

Areas	Type of intervention taken (OFT/FLD/Training/Extension Activity)	Name of intervention taken	Numbers under taken	Quantity (unit)	% change in Nutritional Status	No of beneficiaries
Diversification and intensification of production	FLD Training Extension activity	Kitchen gardening Mushroom Production Quinoa production Distribution of seedlings	10 05 05 25000			10 05 05 50
Nutrition sensitive livestock and fisheries				01		
Biodiversity for food & nutrition including forest produces/ Minor Millets	OFT Training		02 02	05 05		05 05
Bio-fortification	OFT	01	10	5kg each		10
Other (Pl. Specify)						

3. Value Chain And Village Trade related Issue:

Areas	Type of intervention taken (OFT/FLD/Training/Extension Activity)	Name of intervention taken	Numbers under taken	Quantity	% change in Nutritional Status	No of beneficiaries
Demand-supply dynamics and market intelligence by the women.						
Processing and product	Training	Mahua	01	-		25

Areas	Type of intervention taken (OFT/FLD/Training/Extension Activity)	Name of intervention taken	Numbers under taken	Quantity	% change in Nutritional Status	No of beneficiaries
development of NTFPs by women.		utilization				
Food Fortification	Training	Quinoa production	01	-		25
Technology adaptation mechanisms for nutritional security.						
Economic empowerment through sustainable income generation among women.	Training	Vermi-compost Bee keeping Nursery management	01 01 01	- - -		25 25 25
Other (Pl. Specify)						

4. Improving Maternal and Child Nutrition

Areas	Type of intervention taken (OFT/FLD/Training/Extension Activity)	Name of intervention taken	Numbers under taken	% change in Nutritional Status	No of beneficiaries
Strategies and programs for improved maternal nutrition-experiences	Training	Child care practices Micronutrient deficiency and its management	01 01		25 25
Community based strategies to enhance and sustain breast feeding practices and promote early childhood development.					
Approaches to improve complementary foods and feeding					

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	% change in Nutritional Status	No of beneficiaries
practices.					
Comprehensive approach to address acute malnutrition in children.					
Improving nutrition among tribal population with community focus on first 1000 days.	Training	Breast feeding and Weaning	01		25

5. Nutrition Literacy

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention undertaken	Number of Courses	No of beneficiaries
Nutrition Education and Behaviour	Training	Balanced diet	01	25
Micronutrient Supplementation	Training	Major micronutrients and their sources	01	25
Adolescent and Maternal Nutrition	Training	Nutrition during pregnancy and lactation	01	25
Malnutrition Management Service				
Other (Pl. Specify)				

6. Capacity development of women institutions/ SHGs/ FIGs/FPOs

Area	Name of intervention undertaken	Number of Courses	No of beneficiaries
Human Resource management for women			
Capacity development through participatory method	Training on Processing and value addition	01	25
Skill development			

Area	Name of intervention undertaken	Number of Courses	No of beneficiaries
Other (Pl. Specify)			

7. Enabling Suitable governance and policy

Areas	Name of intervention taken	Numbers under taken	No of Courses	No of beneficiaries
Role of horticulture and Agriculture Engineering in Nutritional Security	Training on drudgery reduction technologies	02	02	40
Climate Smart agriculture for Nutritional Security				
Other (Pl. Specify)				

8. Institutional Interventions in Collaboration (through KVK, Anganwadi of other Department) :-

Name of intervention undertaken	No of collaborative Department	No of beneficiaries	Remark
Training on child care	1	25	
Training on nursery managemnet	02	25	

30. Activities Proposed for Sansad Adarsh Gram- Not Applicable

Information about Sansad Adarsh Gram

Name of KVK	Block	Village

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Proposed Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. Proposed Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

29. Proposal of NICRA (Only NICRA KVKs)**1. Technologies to be Demonstrated**

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Proposed Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status

5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status

6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit

7. Feedback of Farmers for future improvement, if any.

8. Good Action Photographs after work progress (step-wise)

31. Proposed works under NAIP (in NAIP monitoring format)**32. Status of Revolving Funds (Rs.)**

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)	Expected status for year 2020
Umaria	30940110041604	1082304=00	1159099=00	1159099=00	1300000=00

33. Awards & Recognitions

KVK Name	Name of award /awardees	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Umaria				

34. Case study / Success Story to be developed –

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Umaria	02	01