

ANNUAL ACTION PLAN

NGO & ICAR KVKs

2020



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

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1. KVK Anuppur

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	226	-	-	-
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	48	960	-	-	-
Training-Rural youths	6	50	-	-	-
Training- Extension functionaries	6	90	-	-	-
Extension Activities	1870	417154	-	-	-
Seed Production (Number of activity as seeds in quintal)	205	400	-	-	-
Planting material ((Number of activity as quantity of planting material in quintal)	2000	200	-	-	-
Seedling Production (Number of activity as number of seedlings in numbers)	2000	250	-	-	-
Sapling Production (Number of activity as number of sapling in numbers)	-	-	-	-	-
Other Bio- products (No. of quantity)	2022	130	-	-	-
Live stock products	-	-	-	-	-
Activities of Soil and Water Testing Laboratory	200	200	-	-	-
Rainwater Harvesting System	1	1	-	-	-
Kisan Mobile Advisory (KVK-KMA)	45	510615	-	-	-
SAC Meeting (Date & no. of core/ official members)	2	50	-	-	-
Literature to be Developed/Published	10	1800	-	-	-
Convergence programmes / Sponsored programmes	2	20	-	-	-

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	10	10	-	-	-
Status of Revolving Funds	-	-	-	-	-
Awards and Recognitions	-	-	-	-	-
Case study / Success Story to be developed	5	5	-	-	-
KVK Progressive Farmers interaction	20	20	-	-	-
Outreach of KVK in the District (No. of blocks, no. of villages)	4	491	-	-	-
Technology Demonstration under Tribal Sub Plan	30	75	-	-	-
KVK Ring	2	10	-	-	-
Important visitors to KVK	-	-	-	-	-
Status of KVK Website	-	-	-	-	-
Status of RTI	-	-	-	-	-
E-connectivity	-	-	-	-	-
Details of Technology Week Celebrations	12	1390	-	-	-
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
Anuppur	16	1	1	6	6	3	0	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. S.K. Pandey	Agricultural Extension	Ph.D.	Agricultural Extension	Level 13A	135300	05/02/2018	GEN
SMS	Dr. Anita Thakur	Soil Science	Ph.D.	Soil Science	Level 10	57800	10/01/2018	OBC
SMS	Mr. Yogesh Kumar	Agro forestry	M.Sc.	Agro forestry	Level 10	57800	10/01/2018	OBC
SMS	Mr. Anil Kurmi	Plant Protection	M.Sc.	Agricultural Entomology	Level 10	57800	12/01/2018	OBC
SMS	Mr. Sandeep Chouhan	Agricultural Extension	M.Sc.	Agricultural Extension	Level 10	57800	15/01/2018	GEN
SMS	Mr. Suneel Kumar Rathour	Multi Discipline	M.Sc.	Food Science and technology	Level 10	57800	16/01/2018	OBC
SMS	Mr. Suryakant Nagre	Agronomy	M.Sc.	Agronomy	Level 10	57800	18/01/2018	OBC
Programme Assistant	Vacant	-	-	-	-	-	-	-
Farm Manager	Vacant	-	-	-	-	-	-	-
Computer Programmer	Vacant	-	-	-	-	-	-	-
Accountant / superintendent	Vacant	-	-	-	-	-	-	-
Stenographer	Mr. Sandeep Kumar	-	B.A.	English	Level 4	26300	28/03/2018	GEN

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Driver	Mr. Bharat Kumar Banjara	-	12 th	Arts	Level 3	22400	28/03/2018	OBC
Driver	Vacant	-	-	-	-	-	-	-
Supporting staff	Mr. Mohit Puri	-	B.Com. PGDCA	Commerce	Level 1	18500	27/03/2018	OBC
Supporting staff	Mr. Vibhor Chandra Gupta	-	B.E.	Computer Science	Level 1	18500	28/03/2018	GEN

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
Anuppur	Northern hilly region	Four	282	749237	60.2%	432928	110789	1.82 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)
Anuppur	Dondiya	2018	Pushprajghar	28 km	346	62
Anuppur	Changeri	2019	Anuppur	103 km	1659	252
Anuppur	Bhidwatola	2019	Kotma	125	470	75
Anuppur	Picharwahi	2019	Pushprajgarh	50	882	110
Anuppur	Chilhari	2019	Jaithari	90 km	804	182

1.4. THRUST AREAS identified by KVK

KVK Name	Thrust area
Anuppur	Varietal Replacement
Anuppur	Integrated Pest and Disease Management
Anuppur	Drudgery Reduction
Anuppur	Integrated Crop Management
Anuppur	Improvement in production and productivity of major crops

KVK Name	Thrust area
Anuppur	Empowerment of women and generation of self-employment for rural youths
Anuppur	Soil and water conservation
Anuppur	Enhancement of profit with focus on value addition
Anuppur	Women in Agriculture
Anuppur	Care and Management of Household
Anuppur	Improvement in production and productivity through introduction of improved Agriculture Implements
Anuppur	Information Communication Technology
Anuppur	Group Dynamics
Anuppur	Technology Expansion
Anuppur	Soil Fertility Management
Anuppur	Weed management
Anuppur	Income enhancement through agroforestry
Anuppur	Entrepreneurship Development
Anuppur	Improvement of fruit and vegetable production through proper management practices
Anuppur	Protected cultivation
Anuppur	Micro irrigation
Anuppur	Income enhancement through lac, Sericulture and bee keeping
Anuppur	Animal Husbandry
Anuppur	Cultivation of medicinal and aromatic plants
Anuppur	Organic cultivation
Anuppur	Integrated nutrients management
Anuppur	Post-harvest processing and grain storage

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Crop	Problem identified	Methods of problem identification	Location Name of Village & Block
Anuppur	Rice	- Low productivity - Lack of improved varieties - Poor management practices - Infestation of Brown plant hopper and Green leaf hopper	PRA, Farmers and farm Women Training, Farmers Meeting , Field Visit, In service Training	1. Dondiya, Pushprajghar. 2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur. 5. Changeri, Kotma.
Anuppur	Soybean	Low productivity	PRA, Farmers Meeting, Field Visit.	1. Dondiya, Pushprajghar.

KVK Name	Crop	Problem identified	Methods of problem identification	Location Name of Village & Block
		- Lack of improved varieties - Poor management practices - Infestation of white fly and Girdle beetle - Heavy loss due to YMV - Water logging		2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur. 5. Changeri, Kotma.
Anuppur	Pigeon Pea	- Low productivity - Heavy loss due to frost - Lack of short duration varieties - Poor management practices - Infestation of Pod borers and wilt disease	PRA, Farmers Meeting , Field Visit	1. Dondiya, Pushprajghar. 2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur. 5. Changeri, Kotma.
Anuppur	Black gram	- Low productivity - Lack of improved varieties - YMV infestation	PRA, Farmers Meeting , Field Visit	1. Dondiya, Pushprajghar. 2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur. 5. Changeri, Kotma.
Anuppur	Wheat	- Low productivity - Lack of improved varieties - Date of sowing - Poor irrigation management - Rodent problem	PRA, Farmers Meeting , Field Visit	1. Dondiya, Pushprajghar. 2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur. 5. Changeri, Kotma.
Anuppur	Gram	- Lack of improved varieties - Heavy loss due to frost - Heavy loss due to Wet root rot, wilt and infestation of Gram pod borer	PRA, Farmers Meeting , Field Visit	1. Dondiya, Pushprajghar. 2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur. 5. Changeri, Kotma.
Anuppur	Lentil	- Lack of improved varieties - Infestation of aphid and wilt disease - Lack of improved varieties - Lack of irrigation facilities	PRA, Farmers Meeting , Field Visit	1. Dondiya, Pushprajghar. 2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur.

KVK Name	Crop	Problem identified	Methods of problem identification	Location Name of Village & Block
				5. Changeri, Kotma.
Anuppur	Field pea	- Lack of improved varieties - Poor management practices - Improved varieties - Heavy loss due to frost	PRA, Farmers Meeting , Field Visit	1. Dondiya, Pushprajghar. 2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur. 5. Changeri, Kotma.
Anuppur	Brinjal	- Lack of improved varieties - Infestation of Shoot and fruit borer and sucking pest	PRA, Farmers Meeting , Field Visit	1. Dondiya, Pushprajghar. 2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur. 5. Changeri, Kotma.
Anuppur	Tomato	- Lack of improved varieties - Infestation of pod borer and leaf curl virus - High plant death due to bacterial wilt	PRA, Farmers Meeting , Field Visit	1. Dondiya, Pushprajghar. 2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur. 5. Changeri, Kotma.
Anuppur	Cucurbits	- Lack of improved varieties - Poor management practices - Infestation of fruit fly and powdery mildew disease	PRA, Farmers Meeting , Field Visit	1. Dondiya, Pushprajghar. 2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur. 5. Changeri, Kotma.
Anuppur	Okra	- Lack of improved varieties - Poor management practices - Infestation of fruit borer and YMV virus	PRA, Farmers Meeting , Field Visit	1. Dondiya, Pushprajghar. 2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur. 5. Changeri, Kotma.
Anuppur	Millets	- Lack of improved varieties - Poor management practices - Poor nutrients management - Infestation of stem borer	PRA, Farmers Meeting , Field Visit	1. Dondiya, Pushprajghar. 2. Picharwahi, Pushprajghar. 3. Chilhari, jatehari. 4. Bhaidwatola, Anuppur. 5. Changeri, Kotma.

2. On Farm Testing (OFT)

2.1 Information about OFT:

1. Title of on-farm trial:	Assessment of Improved variety of Paddy (IR-64 DRT-1 & JRB-1) under Rice-Wheat Cropping System
Season /Year:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Lack of Improved Variety
Thematic area:	Varietal Replacement
No of trials:	7
No. of farmers involved	7
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers Practice
T2 –Recommended Practice-	IR 64 DRT 1
T3- Recommended Practice-	JRB 1
Date of sowing:	-
Date of harvesting:	-
Source of technology:	ICAR-CRRI Cuttack
Characteristics of technology:	Drought Resistance & High Yielding Variety
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. Title of on-farm trial:	Assessment of Improved variety of Soybean (JS-2069 & NRC-86)
Season /Year:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Lack of Improved Variety
Thematic area:	Varietal Replacement
No of trials:	7
No. of farmers involved	7
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers Practice
T2 –Recommended Practice-	JS-2069
T3- Recommended Practice-	NRC 86
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV Jabalpur
Characteristics of technology:	High Yielding Variety, Multiple Resistance to Disease & No shattering.
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)	-	-	-	-	-	-
T2(Recommended Practice)	-	-	-	-	-	-
T3(Recommended Practice)	-	-	-	-	-	-

3. Title of on-farm trial:	Assessment of improved varieties of Kharif Onion
Season /Year:	Kharif, 2020
Farming situation:	Rainfed
Problem diagnosis:	Lack of knowledge about land utilization
Thematic area:	HOV
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-	Fallow land
T2 –Recommended Practice-	Agri found dark red
T3- Recommended Practice-	Bheema super
Date of sowing:	-
Date of harvesting:	-
Source of technology:	DOGR, PUNE (2013)
Characteristics of technology:	High yield, high Income, resistance to insect pest
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)	-	-	-	-	-	-

4. Title of on-farm trial:	Assessment of fruit based Agro-forestry system
Season /Year:	Kharif, 2020
Farming situation:	Rainfed
Problem diagnosis:	Lack of knowledge about proper land use practices
Thematic area:	AGF
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-	Rice – Wheat cropping system
T2 –Recommended Practice-	Drumstick (On bund)
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	MPKV Rahuri (2012-13)
Characteristics of technology:	High yield, Extra income, Sustainability
Name of Crop/Enterprises:	Drumstick (On bund)
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)	-	-	-	-	-	-

5.Title of on-farm trial:	Assessment of growth & activity of Earthworm under different combination of bio waste – Paddy Straw
Season /Year:	Kharif, 2020
Farming situation:	Rainfed
Problem diagnosis:	Poor Bio waste 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-	FYM Only
T2 –Recommended Practice-	T1+Trichoderma
T3- Recommended Practice-	T2+Paddy Straw
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV/IISS
Characteristics of technology:	INM
Name of Crop/Enterprises:	Vermicomposting
Recommendations for Farmers	T2+Paddy Straw
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

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

6. 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
Season /Year:	Kharif, 2020
Farming situation:	Rainfed
Problem diagnosis:	Poor Nutrient 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-	20:10:0
T2 –Recommended Practice-	80:40:30
T3- Recommended Practice-	Nil
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV
Characteristics of technology:	Soil Test Based
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)	-	-	-	-	-	-

7. Title of on-farm trial:	Assessment of IPM modules for the Management of BROWN PLANT HOPPER and GREEN LEAF HOPPER in Paddy under paddy –wheat cropping system
Season /Year:	Kharif, 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield of paddy due to heavy infestation of of BPH and GLH (Av. Yield losses up to 15-20 %)
Thematic area:	IPM
No of trials:	07
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Poor management practices. No use of insecticide.
T2 –Recommended Practice-	2-3 spray of Neem oil@ 2% at 10 days interval.
T3- Recommended Practice-	Spray of Thiomethoxam 25 WG @100gm/ha. at 20 days interval
Date of sowing:	-
Date of harvesting:	-
Source of technology:	UAS, Dharwad (2010)
Characteristics of technology:	Environment friendly , low cost and effective
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	In Progress
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)	-	-	-	-	-	-

8. Title of on-farm trial:	Assessment of IPM modules for the Management of Pod borers in Pigeon Pea
Season /Year:	Kharif, 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield of Pigeon Pea crop due to Heavy infestation of borers
Thematic area:	IPM
No of trials:	07
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No effort for insect management
T2 –Recommended Practice-	Use of Pheromone trap 12trap/acre + intercropping with sorghum + one spray of <i>Beuveria bassiana</i> @1 lil/ha.
T3- Recommended Practice-	Use of Pheromone trap 12trap/acre + intercropping with sorghum + spray of NPV 250 LE/ha
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, Jabalpur (2013)
Characteristics of technology:	Environment friendly , low cost and effective
Name of Crop/Enterprises:	Pigeonpea
Recommendations for Farmers	In Progress
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)	-	-	-	-	-	-

9. Title of on-farm trial:	Assessment of Wheat varieties (JW 3211 & JW 3288) for late sown condition under Rice-Wheat cropping system
Season /Year:	Rabi 2020-21
Farming situation:	Partially Irrigated
Problem diagnosis:	Lack of Improved Variety
Thematic area:	Varietal Replacement
No of trials:	7
No. of farmers involved	7
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers Practice
T2 –Recommended Practice-	JW-3211
T3- Recommended Practice-	JW-3288
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV Jabalpur
Characteristics of technology:	Drought Resistance, Rusts Resistance & High Yielding Variety
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)	-	-	-	-	-	-

10. Title of on-farm trial:	Assessment of Improved variety of Chickpea (JG-14 & JG12) in late sown condition (Rice-Chickpea Cropping system)
Season /Year:	Rabi 2020-21
Farming situation:	Partially Irrigated
Problem diagnosis:	Lack of Improved Variety
Thematic area:	Varietal Replacement
No of trials:	7
No. of farmers involved	7
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers Practice
T2 –Recommended Practice-	JG-14
T3- Recommended Practice-	JG-12
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV Jabalpur
Characteristics of technology:	Medium Bold Seeded, Wilt resistant & High Yielding Variety
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)	-	-	-	-	-	-

11. Title of on-farm trial:	Assessment of improved varieties of Rabi Tomato
Year/Season:	Rabi, 2020-21
Farming situation:	irrigated
Problem diagnosis:	Low yield due to use of local variety
Thematic area:	HOV
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-	Using traditional variety
T2 –Recommended Practice-	Arka rakshak
T3- Recommended Practice-	Arka samrat
Date of sowing:	-
Date of harvesting:	-
Source of technology:	CSIR-IIHR (2015-16)
Characteristics of technology:	High yield, high Income, resistance to insect pest
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)	-	-	-	-	-	-

12. Title of on-farm trial:	Assessment of plug tray nursery raising in tomato cultivation
Season /Year:	Rabi 2020-21
Farming situation:	irrigated
Problem diagnosis:	Poor nursery management and utilization

Thematic area:	HOV
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-	Traditional method
T2 –Recommended Practice-	Plug tray
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	
Source of technology:	IIHR Bangalore (2012)
Characteristics of technology:	Good germination, Healthy seedlings.
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)	-	-	-	-	-	-

13. 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
Season /Year:	Rabi 2020-21
Farming situation:	Rain fed
Problem diagnosis:	Poor Nutrient 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-	30:20:0
T2 –Recommended Practice-	60:40:20
T3- Recommended Practice-	Nil
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV
Characteristics of technology:	Soil Test Based
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)	-	-	-	-	-	-

14.Title of on-farm trial:	Bio recycling of bio waste through Decomposer
Season /Year:	Rabi 2020-21
Farming situation:	Rain fed
Problem diagnosis:	Poor Waste 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-	T1-Crop residue decompose at open pit
T2 –Recommended Practice-	T2- Decomposition of crop residue through bacterial base decomposer @ 500ml for one ton raw material
T3- Recommended Practice-	T3- T2+ Bio decomposer @ 500 ml Bio decomposer (Bacterial base) and 500 ml Bio decomposer (Fungal base).
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV
Characteristics of technology:	Soil Test Based
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)	-	-	-	-	-	-

15. Title of on-farm trial:	Assessment of Bio-control modules for the Management of wilt disease in Gram under Rice – Chickpea cropping pattern
Season /Year:	Rabi 2020-21
Farming situation:	Rain fed

Problem diagnosis:	Low yield of gram due to heavy infestation of wilt disease
Thematic area:	IPM
No of trials:	07
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No seed treatment.
T2 –Recommended Practice-	Seed treatment with Trichoderma 5gm + Pseudomonas 5gm/kg of seed.
T3- Recommended Practice-	Soil application of Trichoderma 4kg/ha. + seed treatment with Pseudomonas 4gm/kg of seed.
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, Jabalpur (2015)
Characteristics of technology:	Environment friendly , low cost and effective
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)	-	-	-	-	-	-

16.Title of on-farm trial:	Assessment of Mycopesticide (<i>Beauveria bassiana</i>) and botanical (Neem oil) for management of Pod borer in Chickpea
Season /Year:	Rabi 2020-21
Farming situation:	Rainfed

Problem diagnosis:	Heavy yield loss in Chickpea due to severe infestation (50-75%) of pod borer
Thematic area:	IPM
No of trials:	07
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No effort for insect management
T2 –Recommended Practice-	Bird perches @ 50/ ha + Two spray of <i>Beauveria bassiana</i> @ 1000ml/ha at 45 and 75 DAS
T3- Recommended Practice-	Bird perches @ 50/ ha + Two spray of <i>Beauveria bassiana</i> @ 1000ml/ha + Neem oil @ 0.5% at 45 and 75 DAS
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, Jabalpur (2015)
Characteristics of technology:	Environment friendly , low cost and effective
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)	-	-	-	-	-	-

2.2. Information about Extension OFT:

Title	Assessment of electronic media for dissemination of Paddy
Season /Year:	Kharif 2020
Problem identified	Low yield due to poor information source
Thematic Area	ICT
Farming situation	Rainfed
Name of Technology under study	Whatsapp

Title	Assessment of electronic media for dissemination of Paddy
Farmers Practice	Traditional information sources
No. of replication (Farmers)	30

Results / findings

Performance indicators/ parameters	Unit/ details
Perception toward the technology, Knowledge level, Extent of dissemination of technical information	%

Title	Assessment of electronic media for dissemination of Tomato
Season & Year	Rabi 2020-21
Problem identified	Low yield due to poor information source
Thematic Area	ICT
Farming situation	Rain fed
Name of Technology under study	Whats app
Farmers Practice	Traditional information sources
No. of replication (Farmers)	30

Results / findings

Performance indicators/ parameters	Unit/ details
Perception toward the technology, Knowledge level, Extent of dissemination of technical information	%

2.3. Information about Home Science OFT:

1. Title of on-farm trial:	Assessment of spiral seed grader for DR during soybean grading
Season /Year:	Kharif 2020
Farming situation:	Rain fed
Problem diagnosis:	Poor management practices Lack of knowledge about drudgery reduction
Thematic area:	drudgery reduction
No of trials:	5
No. of farmers involved	25
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement: spiral seed grader	
T1 – Farmers Practice-	Farmers Practice-
T2 –Recommended Practice-	spiral seed grader
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV
Characteristics of technology:	weed management
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

2. Title of on-farm trial: (2)	Assessment of Ambika conoweeder in weed management of paddy
Season /Year:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Poor management practices Lack of knowledge about drudgery reduction
Thematic area:	drudgery reduction
No of trials:	5
No. of farmers involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Ambika conoweeder	
T1 – Farmers Practice-	Farmers Practice-
T2 –Recommended Practice-	Ambika conoweeder
T3- Recommended Practice-	-
Date of sowing:	-

Date of harvesting:	-
Source of technology:	IGKV Raipur
Characteristics of technology:	weed management
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

3. Title of on-farm trial:	Assessment of Nutritional Kitchen Garden
Season /Year:	Rabi 2020
Farming situation:	Rain fed & irrigated
Problem diagnosis:	Malnutrition.
Thematic area:	Availability of nutritional food.
No of trials:	5
No. of farmers involved	25
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Nutritional Kitchen Garden	
T1 – Farmers Practice-	Farmers Practice-
T2 –Recommended Practice-	Nutritional Kitchen Garden
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV Jabalpur
Characteristics of technology:	Nutritional Kitchen Garden
Name of Crop/Enterprises:	All vegetable
Recommendations for Farmers	Through Nutritional kitchen garden Availability of nutrient, to farmer for reduce Malnutrition
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)		S C	S T	Others	General	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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	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/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/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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.8 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) / Entrepreneur - 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
-	-	-	-	-	-

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	Place & Date	No. of participants involved
Anuppur	FT/FWT	PRA, Field Visit	Bhidwatola 26/12/2019, 05/11/2019, 04/09/2019, 30/08/2019, 23/08/2019, 19/08/2019, 24/07/2019,	20
Anuppur	FT/FWT	PRA, Field Visit Group Meeting	Changeri 20/12/2019 07/11/2019 17/10/2019 21/08/2019 14/08/2019 24/07/2019 03/07/2019	20
Anuppur	FT/FWT	PRA, Field Visit Group Meeting	Picherwahi 22/11/2019 27/09/2019	20

Name of KVK	Category of the training	Methods of need assessment	Place & Date	No. of participants involved
			18/09/2019 13/09/2019 20/08/2019 06/08/2019 25/07/2019 19/07/2019	
Anuppur	FT/FWT	PRA, Field Visit Group Meeting	Chilhari 06/12/2019 19/11/2019 13/11/2019 24/10/2019 17/10/2019 28/08/2019 21/08/2019 02/08/2019 22/07/2019 11/07/2019 09/07/2019 05/07/2019 04/07/2019 26/06/2019 25/06/2019	20
Anuppur	FT/FWT	PRA, Field Visit Group Meeting	Dondiya 30/12/2019 26/12/2019 05/12/2019 14/11/2019 01/11/2019 24/10/2019 18/09/2019 05/09/2019	20

Name of KVK	Category of the training	Methods of need assessment	Place & Date	No. of participants involved
			01/09/2019 30/08/2019 28/08/2019 01/08/2019 31/07/2019 22/07/2019 26/06/2019 21/06/2019 17/06/2019 04/04/2019	

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 Crop Management	Nursery Preparation in Rice	1	1	0	0	0	0	20	0	0	0
F& FW	ONC	Crop Production	Integrated Crop Management	Production Technology of Direct Seeded Rice	1	1	0	0	0	0	64	1	0	0
F& FW	OFC	Crop Production	Integrated Crop Management	Production Technology of Transplanted Rice	1	1	0	0	0	0	13	0	01	0
F& FW	OFC	Crop Production	Integrated Crop Management	Production Technology of SRI (Rice)	1	1	0	0	0	0	05	0	08	0
F& FW	OFC	Crop Production	Integrated Crop Management	Improved Production Technology of Niger	1	1	01	0	01	0	10	0	02	0
F& FW	OFC	Crop Production	Integrated Crop Management	Improved Production Technology of Wheat	1	1	0	0	0	0	14	0	0	0
F& FW	ONC	Crop Production	Integrated Crop	Improved Production	1	1	0	0	0	0	1	0	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
			Management	Technology of Chickpea							6	4		
F& FW	OFC	Crop Production	Integrated Crop Management	Improved Production Technology of Linseed	1	1	0	0	0	0	17	03	0	0
F& FW	OFC	Horticulture (Vegetable Crops)	Off season vegetables production technology	Improved Production technology of vegetable	1	1	0	0	0	0	10	07	01	02
F& FW	OFC	Soil Health and Fertility Management	Soil fertility management & importance	Soil testing and their importance in Agriculture	1	1	0	0	0	0	0	20	0	0
F& FW	OFC	Soil Health and Fertility Management	Integrated water management & its importance	Rain water harvesting and its importance	1	1	0	0	0	0	05	07	05	03
F& FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated Nutrient management for Kharif crop	1	1	0	0	0	01	07	08	0	03
F& FW	OFC	Soil Health and Fertility Management	Production and use of organic inputs	Importance of vermicompost in Agriculture	1	1	0	0	0	0	13	15	2	3
F& FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Integrated Nutrient management for Rabi crop & its importance	1	1	0	0	0	0	19	0	01	0
F& FW	ONC	Soil Health and Fertility Management	Organic Farming	Method of vermicomposting	1	1	0	0	0	0	20	0	0	0
F & FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nutritional kitchen Garden, use and importance	1	1	0	0	0	0	12	02	04	02

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	Home Science/Women empowerment	Minimization of nutrient loss in processing	Azolla production technology & its importance	1	1	0	0	0	0	11	15	0	04
F & FW	ONC	Home Science/Women empowerment	Processing & cooking	Value addition in Aonla & its importance	1	1	0	0	0	0	07	04	04	05
F & FW	ONC	Home Science/Women empowerment	Women empowerment	Mushroom production technology and its Nutritional importance	1	1	0	0	0	0	6	2	6	6
F & FW	OFC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Importance and Use of agricultural equipment's for drudgery reduction	1	1	2	0	0	1	13	12	8	4
F & FW	ONC	Home Science/Women empowerment	Women and child care	Cultivation of drumsticks and its nutritional importance	1	1	0	0	0	0	17	01	02	01
F& FW	OFC	Plant Protection	Integrated Pest Management	IPM in Rice & its importance	1	1	0	0	0	0	20	0	0	0
F& FW	OFC	Plant Protection	Integrated Pest Management	IPM in Pigeon Pea& its importance	1	1	0	0	0	0	15	04	01	0
F& FW	OFC	Plant Protection	Integrated Pest Management	IPM in Niger & its importance	1	1	0	0	0	0	18	02	0	0
F& FW	OFC	Plant Protection	Integrated Disease Management	Seed Treatment	1	1	0	0	0	0	18	02	0	0
F& FW	OFC	Plant Protection	Integrated pest Management	IPM in tomato	1		0	0	0	0	20	0	0	0
F& FW	ONC	Plant Protection	Integrated Disease Management	Importance of seed treatment in Rabi Crop	1	1	0	0	0	0	15	0	10	05
F& FW	OFC	Plant Protection	Integrated Pest Management	IPM in Pulses& its importance	1	1	0	0	0	0	16	9	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
F& FW	ONC	Plant Protection	Bio-control of pests and diseases	Importance of Bio-agents in soil diseases management	1	1	0	0	0	0	15	0	05	0
F& FW	ONC	Plant Protection	Bio-control of pests and diseases	Importance of Bio-agents in diseases management	1	1	0	0	0	0	17	8	0	0
F& FW	OFC	Plant Protection	Income generation	Improved production technology of Lac, cultivation on Ber Tree	1	1	0	0	0	0	20	0	0	0
F& FW	OFC	Capacity Building and Group Dynamics	Leadership development	Role of group approach in farming community	1	1	5	-	5	-	10	-	5	-
F& FW	ONC	Capacity Building and Group Dynamics	Group dynamics	Entrepreneurship Development & its importance	1	1	5	-	5	-	10	-	5	-
F& FW	OFC	Capacity Building and Group Dynamics	Formation and Management of SHGs	ICT in agriculture development & its importance	1	1	5	-	5	-	10	-	5	-
F& FW	OFC	Capacity Building and Group Dynamics	Mobilization of social capital	PM soil health card scheme & its advantages.	1	1	5	-	5	-	10	-	5	-
F& FW	OFC	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths	Role of E-learning & advantages.	1	1	5	-	5	-	10	-	5	-
F& FW	ONC	Capacity Building and Group Dynamics	WTO and IPR issues	Different type of schemes of central and state government under department of agriculture	1	1	5	-	5	-	10	-	5	-
F& FW	OFC	Capacity Building and Group Dynamics	Others (Pl. Specify)	Different agriculture extension modules for doubling farmers income	1	1	5	-	5	-	10	-	5	-

Category (F &FW/F W)	Trainin g Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Cours es	Durati on (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
F& FW	OFC	Capacity Building and Group Dynamics	Others (Pl. Specify)	Self Help Group formation and its importance	1	1	5	-	5	-	10	-	5	-
F& FW	ONC	Agro forestry	Production technologies	Lay out techniques of Plantation	1	1	0	0	0	0	09	07	01	03
F& FW	OFC	Agro forestry	Production technologies	Azolla Production & its importance for lactic cow	1	1	0	0	0	0	0	0	22	3
F& FW	OFC	Agro forestry	Production technologies	Training on Medicinal aromatic plants	1	1	0	0	0	0	16	04	0	0
F& FW	OFC	Agro forestry	Nursery management	Nursery management of fruit crops	1	1	0	0	0	0	15	5	0	0
F& FW	OFC	Agro forestry	Integrated Farming Systems	Training on Aqua forestry	1	1	0	0	0	0	08	09	1	2
F& FW	OFC	Agro forestry	Integrated Farming Systems	Integrated fish farming	1	1	0	0	0	0	20	0	0	0
F& FW	OFC	Agro forestry	Integrated Farming Systems	Integrated Farming Systems	1	1	0	0	0	0	20	0	0	0
F& FW	ONC	Agro forestry	Value addition (other)	Process of Value addition in jackfruit & its importance	1	1	0	0	0	0	09	11	0	0
F& FW	ONC	Agro forestry	Income generation (other)	Use of forest byproducts and its importance in entrepreneurship development	1	1	0	2	0	0	1	0	15	2

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

Name of KVK	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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Anuppur	RY	ONC	Nursery Management of Horticulture crops	Methods of Nursery Management of Horticulture crops	1	5	0	0	0	0	5	0	5	0
Anuppur	RY	ONC	Seed production	Entrepreneurship Development Through Seed Production	1	5	0	0	0	0	5	2	3	0
Anuppur	RY	ONC	Vermi culture	Vermicomposting method & their importance in entrepreneurial development	1	5	0	0	0	0	5	0	3	2
Anuppur	RY	ONC	Mushroom Production	Mushroom production technology and its Nutritional importance	1	5	0	0	0	0	5	0	5	00
Anuppur	RY	ONC	Bee keeping	Beekeeping and lac cultivation as entrepreneur	1	5	0	0	0	0	5	0	5	00

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	Productivity enhancement in field crops	Package and practices of Rabi Pulses production	1	2	5	0	0	0	5	0	5	0
IS	ONC	Integrated Pest Management	Different IPM modules for Rabi Crops management	1	2	5	0	0	0	5	0	5	0
IS	ONC	Integrated Nutrient management	Role of macro and micro nutrition on crop production management	1	2	5	0	0	0	5	0	5	0
IS	ONC	Production and use of organic inputs	Different organic components & its importance in organic farming	01	2	07	0	0	0	5	0	03	0
IS	ONC	Household food security	Value addition process in fruit and vegetable processing	1	1	3	2	5	0	0	0	5	0
IS	ONC	Others (capacity development)	Role of different IFS Modules for DFI	1	1	8	2	2	-	8	2	12	6

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	Importance of organic farming	vermicompost	Poor waste management	01	03	01	0	0	0	05	0	04	0

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
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,	Production technology of botanical pesticides from the easily available plants and trees.	Botanical pesticide	IPM	01	03	01	0	0	0	05	0	04	0
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		Others	
							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	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)	-	-	-	-	-	-	-	-	-	-	-	-	

Client (F &FW/F W/ RY/ IS)	Title	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		
-	-	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		
Information technology	ICT	Information sources	IS	1	2	-	-	-	-	-	-	25	5	Gram Panchayat	-

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	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	-	-
Processing and cooking	1	20
Gender mainstreaming through SHGs	-	-
Storage loss minimization techniques	-	-
Value addition	1	20
Women empowerment	-	-
Location specific drudgery reduction technologies	1	20
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	10	185
Horticulture	3	45
Soil Health and Fertility Management	8	145
Livestock Production and Management	-	-

Area of Training	Jan-Dec-2019	
	Courses	Participants
Agril. Engineering	-	-
Plant Protection	12	225
Fisheries	-	-
Production of Input at site	-	-
Capacity Building and Group Dynamics	8	160
Agro forestry	9	180

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	04	-	20	15	10	5	60	10	4	2	Vaccination	FMD	-
Awareness programme	50 (7 Programme)	-	641	51	68	15	53	22	0	0	Awareness	SHS, Plantation etc.	-
Celebration of important days	7	-	67	5	3	6	10	90	8	0	Awareness	Environment day, Soil Health day etc.	-
Diagnostic visits	30	-	10	0	10	0	11	0	10	0	Diagnosis of farmers problems	Disease and insect	-

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	-	40	3	0	0	86	0	0	0	Awareness	Improve varieties of crops	-
Exposure visits	2	-	0	0	0	0	30	0	0	0	Exposure of KVK farm	New improved varieties of crops	-
Ex-trainees Sammelan	04	-	20	2	10	2	30	10			-	-	-
Farm advisory Services	40	-	407 37	-	-	-	-	-	-	-	Awareness	Farm advisory related to crop cultivation	-
Farmers visit to KVK	1500	-	200	10 0	10 0	10 0	50 0	25 0	25 0	0	Exposure information collection		-
Field Day	05	-	20	15	10	15	80	20	4	2	Exposure of improved varieties of crop	Pulses & Oilseed	-
Group meetings	10	-	10	0	10	0	64	20	20	0	Awareness	Seed treatment, IPM etc.	-
Kisan Ghosthi/Sammelán	10	-	100	50	53	3	20 0	50	10	2	Awareness	Line sowing, INM, IPM etc.	-
Kisan Mela	01	-	200	10 0	10 0	10 0	80 0	20 0	20 0	100	Awareness	-	-
Krishi Mahotsav	-	-	-	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	30	-	200	10 0	10 0	10 0	80 0	20 0	20 0	100	-	-	-
Mahila Mandals conveners meetings	2	-	-	10	-	10	-	30	-	-	-	-	-
Method Demonstrations	10	-	20	0	10	0	50	20	10	0	Awareness	Seed Treatment, Mushroom	
Pradhanmantri phasal beema yojana	-	-	-	-	-	-	-	-	-	-	-	-	-

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			
Scientific visit to farmers field	60	-	23	3	2	0	10	8	0	0	Contact with farmers	Sowing, Planting, INM etc.	-
Self Help Group conveners meetings	2	-	-	10	-	10	-	20	-	-	-	-	-
Soil health Camp	4	-	25	6	5	5	50	25	10	0	To aware the farmers about soil health	Soil testing	-
Soil test campaigns	5	-	10	4	8	5	20	20	-	-	-	-	-
Technology Week	01	-	50	20	20	10	35	50	10	01	Awareness	Crop production,	
Radio talks	12	-	-	-	-	-	-	-	-	-	-	-	-
Extension literature	12	-	200	100	50	20	50	25	25	100	-	-	-
TV talks	5	-	-	-	-	-	-	-	-	-	-	-	-
Newspaper coverage	50	-	-	-	-	-	-	-	-	-	-	-	-
Film Show	12	-	40	10	30	20	80	50	-	-	-	-	-
Others Live telecast	1	-	35	0	3	0	78	19	-	-			-

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	12	AIR Shahdol	Shahdol	Regional
TV talks	5	ETV MP	Madhya Pradesh	Regional
Newspaper coverage	50	Danik bhaskar/patrika/nai duniya etc.	Anuppur	Local/ Regional
Internet (Youtube)				
Social media (Whats App, Facebook, Instagram, Twitter etc.)	600	WhatsApp/facebook	Anuppur	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.)
Anuppur	January to March 2019	Q1	1000	1000	District/block/Panchayat Official
Anuppur	April to June 2019	Q2	1000	1000	District/block/Panchayat Official
Anuppur	July to September 2019	Q3	1000	1000	District/block/Panchayat Official
Anuppur	October to December 2019	Q4	1000	1000	District/block/Panchayat Official

7.2 Literature developed/published

KVK Name	Type	Number of copies
Anuppur	Abstract	6
Anuppur	Book	1
Anuppur	Book Chapter	-
Anuppur	Booklet	300
Anuppur	Leaflets/ Folder/ Pamphlet	500
Anuppur	Popular article	500
Anuppur	Technical Bulletin	200
Anuppur	Training Manual	100
Anuppur	Technical Report	10
Anuppur	Year Planner	50
Anuppur	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
Anuppur	-	-	-

8. Production and supply of Technological products

8.1 SEED production

Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Cereals	Paddy,	MTU-1010	40	-	-	-
	Wheat	JW 3211, JW 3288	100	-	-	-
Pulses	Pigeonpea	TJT -501	05	-	-	-
	Chickpea	JG-14 & JG 12	10	-	-	-
Oilseed	Soybean	RVS 2001-4, JS-2069	40	-	-	-
	Mustard	Kala Sona	10	-	-	-

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.)
Anuppur	Vegetables	Drumstick	PKM 1	2000	-	250	-

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	1000	100	8000	100	-
	Azolla	-	-	-	-	-
	Earthworms	20	20	6000	20	-
	Compost	1000	10	3000	10	-
	Blue green algae	-	-	-	-	-
	NADEP	-	-	-	-	-
	Sanjeevani Khad	-	-	-	-	-
	Acetobactor	-	-	-	-	-
	Aspergillus	-	-	-	-	-
	Azatobactor	-	-	-	-	-
	Azospirillum	-	-	-	-	-

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
	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	-	-	-	-	-
	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	-	-	-	-	-

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
	Epiricania melanolauca	-	-	-	-	-
Bio Agents(Worms)	Assinia foetida	-	-	-	-	-
	Eudrilus eugeniae	-	-	-	-	-
	Euclnia Uginae	-	-	-	-	-
	Eisenia foetida	-	-	-	-	-
	Earth worm	-	-	-	-	-
	Any other (Zygogramma bicolorata)	2	2000	-	-	-
Others	Mushroom spawn	-	-	-	-	-
	Mineral Mixture	-	-	-	-	-
	Cow dung (dry)	-	-	-	-	-
	Any other (pl. specify)	-	-	-	-	-

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.		
Anuppur	Dairy animals	Cow	-	-	-	-	-	-
Anuppur		Calves	-	-	-	-	-	-
Anuppur		Goats	-	-	-	-	-	-
Anuppur		Buffaloes	-	-	-	-	-	-
Anuppur		Sheep	-	-	-	-	-	-
Anuppur		Breeding bull	-	-	-	-	-	-
Anuppur		Other (pl specify)	-	-	-	-	-	-
Anuppur		Poultry	-	-	-	-	-	-
Anuppur	Poultry	Japanese quail	-	-	-	-	-	-
Anuppur		Japanese quail eggs	-	-	-	-	-	-
Anuppur		Ducks	-	-	-	-	-	-
Anuppur		Turkey	-	-	-	-	-	-
Anuppur		Other	-	-	-	-	-	-

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.		
Anuppur	Piggery	Piglets	-	-	-	-	-	-
Anuppur		Boar	-	-	-	-	-	-
Anuppur		Sow	-	-	-	-	-	-
Anuppur		Other (pl specify)	-	-	-	-	-	-
Anuppur	Fisheries	Indian carp	-	-	-	-	-	-
Anuppur		Exotic carp	-	-	-	-	-	-
Anuppur		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	Mini Soil Testi ng kit	Soil testing laborat ory	By Departm ent	Mini Soil Testi ng kit	Soil testing laborat ory	By Departm ent			Throu gh Mini Soil Testin g kit	Throu gh Soil testing laborat ory
No		Procur ed	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)
-	-	-	-	-	-

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	
26/11/2020	Water conservation and rain water harvesting	PF	1	0	0	20	0	20	0	0	0	40
27/11/2020	Intensive afforestation	PF	1	0	0	20	0	20	0	0	0	40

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.)
Anuppur	2	3	0	45	5

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	
16/10/2019 18/10/2019	Micro irrigation system in horticultural crop	F/FW	2	2	3	20	10	5	5	3	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)
-	-	-	-	-	-	-

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*
Anuppur	10/06/2020	25	-
Anuppur	23/10/2020	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
-	-	-	-	-
-	-	-	-	-

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	-	05	56735	591	515
		Integrated Farming	-	-	-	-	-
		Field Preparation	-	01	11347	591	515
		Any Other (Specify)	-	-	-	-	-
2	Weather	Advisory	-	06	68082	591	515
		Change in variety	-	01	11347	591	515
		Change in Sowing technique	-	01	11347	591	515
		Climate forecast	-	01	11347	591	515
		Any Other (Specify)	-	-	-	-	-
3	Soil Management	Soil Testing	-	01	11347	591	515
		INM	-	01	11347	591	515
		Fertilizer Application	-	01	11347	591	515
		Vermicomposting/ bio-waste	-	01	11347	591	515

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	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
4	Disease & Pest Management	Disease Management	-	02	22694	591	515
		Pest Management	-	03	34041	591	515
		Preventive Advisory Disease Management	-	01	11347	591	515
		Preventive Advisory Pest Management	-	01	11347	591	415
		Bio-pesticides	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
5	Nutrition Security & Women Empowerment	Nutrition Awareness	-	01	11347	591	515
		Kitchen garden	-	01	11347	591	415
		Value Addition and Processing	-				
		Drudgery Reduction	-	01	11347	591	515
		Entrepreneurship & Income Generation	-	-	-	-	-
		Advisory	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
6	Horticulture	Vegetable	-	01	11347	591	515
		Fruit	-	02	22694	591	415
		Hi Tech Horticulture	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
7	Livestock	Feed and Fodder	-	02	22694	591	415
		Dairy Management	-	-	-	-	-
		Fisheries	-	-	-	-	-
		Poultry Management	-	-	-	-	-
		Vaccination & Disease	-	02	22694	591	415

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
		management					
		Any Other(Specify)	-	-	-	-	-
8	Farm Mechanization		-	01	11347	591	515
9	Extension		-	04	45388	591	415
10	Organic Farming		-	01	11347	591	515
11	Marketing		-	-	-	-	-
12	Awareness		-	03	34041	591	415
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
0.30	Cereals, Pulses,	Paddy, Soybean, Maize	Tarun Bhog Selection-1, Bamleshaswari, Chandra Hasini, Vishnu Bhog, Karma Masuri, Purnima, CG Sugandhit Selection, Swarna, CG Zink Rice, Mahamaya, Danteshwari, IR-36, Samleshwari, Dubraj Selection, Badshah bhog Selction, IGKV-R-2, Indum-1001, Khushbu, Indum 2022, Amrutha, Vardan ,Ganga Kaveri, Tahalaka F1Nath Seeds, DRH-775 Dhanya, Daptari, Kaveri 412, Dashara, Sonam Gold, Sampurnata,	Paddy- 1. Mahamaya 2. Danteshwari 3. CG Zinc 4. Swarna 5. INUM-1001 6. Daptari 7. Badsahbhog 8. Dubraj Selection 9.DRH-775

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
Anuppur	4	491	4	4	5	415

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*
Chickpea	30 ha	75	3	3	90	-

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
Anuppur	Shahdol	01	05	-	
Anuppur	Dindori	01	05	-	-

27. Important visitors to KVK

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

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
Anuppur	-	-	-	-
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Anuppur	2	2

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
Anuppur	Gosthies	3	129	Kharif and rabi Crop production. IPM INM
Anuppur	Lectures organized	-	-	-
Anuppur	Exhibition	2	90	Kharif and rabi Crop production
Anuppur	Film show	-	-	-
Anuppur	Fair	-	-	-
Anuppur	Farm/ Field Visit	2	10	Crop cafeteria,
Anuppur	Diagnostic Practical's	-	-	-
Anuppur	Distribution of Literature (No.)	540	540	Soil testing, Insect management, Agroforestry etc.
Anuppur	Distribution of Seed (q)	-	-	-
Anuppur	Distribution of Planting materials (No.)	-	-	-
Anuppur	Bio Product distribution (Kg)	-	-	-
Anuppur	Distribution of Bio Fertilizers (q)	-	-	-
Anuppur	Distribution of fingerlings	-	-	-
Anuppur	Distribution of Livestock specimen (No.)	-	-	-
Anuppur	Total number of farmers visited the technology week	540	540	Soil testing, Insect management, Agroforestry etc.
Anuppur	Animal health camp	-	-	-
Anuppur	Awareness programme	-	-	-
Anuppur	Demonstration	-	-	-
Anuppur	Exposure visit	1	30	Crop cafeteria,
Anuppur	Ex-trainees Meet	-	-	-
Anuppur	Farmer scientist interaction	-	-	-
Anuppur	Farmers Training	1	30	Seed treatment Technology
Anuppur	Gajarghans Unmulan Pakhwada	-	-	-
Anuppur	Group Meeting	-	-	-
Anuppur	Jai Kisan Jai Vigyan Sangoshthi	-	-	-
Anuppur	Plant Protection Week	-	-	-
Anuppur	Seed treatment campaign	-	-	-
Anuppur	Self Help Group convener meet	-	-	-

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Anuppur	Soil health Camp	-	-	-
Anuppur	Swachha Bharat Abhiyan	-	-	-
Anuppur	Others (SAC Meeting)	1	20	Crop, Livestock and Technology

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

2. KVK Bhopal

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	7	46			
FLDs – Oilseeds (activity in ha)	3	12ha			
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)	2	10 No.			
Training-Farmers and farm women	28	480			
Training-Rural youths	-	-			
Training- Extension functionaries	As per demand	As per demand			
Extension Activities	326				
Seed Production (Number of activity as seeds in quintal)	-	-			
Planting material ((Number of activity as quantity of planting material in quintal)	5	150			
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)	55	65516			

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)	1	30			
Literature to be Developed/Published	-	-			
Convergence programmes / Sponsored programmes	2	40			
Utilization of Farmers Hostel	-	-			
Utilization of Staff Quarters	-	-			
Details of KVK Agro-technological Park	5	500			
Crop Cafeteria-	5	500			
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	3	10			
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
Bhopal	16	1	1	6	3	3	1	6	1	16	6

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Sr. Scientist & Head	Dr. K.P Saha	Agril. Economics	Ph.D.	Production Economics	Basic pay = 153000/-Level - 14	153000/-	17.01.2019
SMS/ Scientist 1	SMS/ Scientist 1	Er. D K Dwivedi	Agril. Engg	M. Tech	Mechanical Engineering	Basic Pay = 91,400/- Level-12	91,400/-	08.04.2019
SMS/ Scientist 2	SMS/ Scientist 2	Sh. Ravinder Singh	Agronomy	M.Sc. (Ag.)	Agronomy	Basic Pay = 88,700/- Level-12	88,700/-	10.04.2019
SMS/ Scientist 3	SMS/ Scientist 3	Smt. S. K. Bharti	Home Science	M.H.Sc.	Home Sci.	Basic Pay = 91,100/- Level-11	91,100/-	25.01.1988
SMS/ Scientist 4	SMS/ Scientist 4	-	-	-	-	-	-	-
SMS/ Scientist 5	SMS/ Scientist 5	-	-	-	-	-	-	-
SMS/ Scientist 6	SMS/ Scientist 6	-	-	-	-	-	-	-
Programme Assistant	Programme Assistant	Sh. A. L. Sharma	Technical	ITI	Farm Machinery	Basic pay = 60,400/-Level-7	60,400/-	22.12.87
Farm Manager	Farm Manager	-	-	-	-	-	-	-
Computer Programmer	Computer Programmer	-	-	-	-	-	-	-
Accountant / superintendent	Accountant / superintendent	-	-	-	-	-	-	-
Stenographer	Stenographer	-	-	-	-	-	-	-
Driver	Driver	R. Bala Murugan	Driver	Diploma	Automobile	Basic pay = 49,000/- Level-7	49,000/-	18.02.2013

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Driver	Driver	-	-	-	-	-	-	-
Supporting staff, if any	Supporting staff, if any	Munni lal	SSS	Illiterate	Messenger	Basic pay = 39,800/-Level-4	39,800/-	10.10.2019
Supporting staff, if any	Supporting staff, if any	-	-	-	-	-	-	-

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

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

Topography and Climatic Features

SOIL

Character	1	2	3	4	5
Soil Type	Medium black	Deep black	Light black	Medium black	Deep black
Texture	Clay loam	Clayey	Clay loam with lime Kanker and stoney	Clay loam	Clayey
Farming Situation	Rainfed	Rainfed	Rainfed	Irrigated	Irrigated
Topography	Flat	Flat	Flat to slight undulating	Flat	Flat
Soil depth	Medium	Deep	Shallow	Medium	Deep
Soil Reaction	Neutral	Neutral	Neutral	Neutral	Neutral
Erosion	Negligible	Negligible	Slight	Negligible	Negligible
Fertility Status	Moderate	Medium	Poor	Moderate	Moderate
Cropping System	Soy-Chickpea Soy-Lentil, Soy-Wheat	Soy-Wheat Soy-Chickpea	G. Nut-Chickpea Soy- Chickpea/ Pigeon pea	Soy-Wheat Soy- Veg.	Soy-Wheat Veg.-Veg.

Per-capita land availability

Tehsil	Marginal (1 ha)	Small (1-4 ha)	Medium (4-10 ha)	Large (7-10 ha)	Total
Berasia	16476	7936	88	6	24506
Huzur	16497	4281	63	33	20874
Total	32973	12217	151	39	45380

S. No	Agro-climatic Zone	Characteristics
1	Vindhyan Plateau Zone	Undulating topography with hot sub-humid climate

S. No	Agro ecological situation	Characteristics
1	Shallow black soil with high rainfall of 1000-1300 mm	Low fertility status of soil – Soybean + Arhar followed by Gram/Wheat/Lentil are major crops. Major Area under Phanda block (15% area)
2	Medium to deep black soil with moderate rainfall (800-1000 mm)	Rainfed wheat crop of good quality. Soybean + Arhar/Maize intercropping and Soybean-Wheat/Gram/Lentil Major Area under Berasia block (90% area)
3	Red yellow and light textured soil with moderate rainfall (800-1000 mm)	Soybean/Maize/Arhar - Wheat/Gram/Lentil Groundnut is also grows in some area. Major Area under Berasia block (10% area)

Soil types

S. No	Soil type	Characteristics	Area in ha
1	Medium to Deep Vertisol	Clayey Texture and Neutral pH Poor Drainage Porosity (7%) Poor in available N, Medium P & rich in K content	2.14 lakh

Area, Production and productivity of Major Crops cultivated in the District (year-2017-18)

S. No.	Crop	Area (000 ha)	Production (000, ton)	Productivity (q/ha)
1	Soybean	95.20	96	1010
2	Paddy	8.95	34	3850
3	Pigeon pea	6.00	7	1200
4	Maize	3	7	1950
5	Wheat	84	252	3000
6	Gram	31	39	1249
7	Lentil	2.8	3.47	1234
8	Vegetables	3.5	54	154.0

1.3. DETAILS OF ADOPTED VILLAGE during 01.01.2020 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)
Sagoniya	2017-18	Phanda	19	344	42
Premapura	2017-18	Phanda	40	1602	271
Karariya	2017-18	Berasia	40	995	95
Sukaliya	2019-20	Berasia	17	850	300
Kacchi Barkheda	2019-20	Phanda	15	900	140

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

THRUST AREA			
1. Farm Mechanization Conservation	2. Resource	5. Post-harvest technology and value addition Diversification	6. Crop
3. IPM & IPNM		7. Skill Development	8. Food and
4. Entrepreneurship Development		nutritional security	

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

Problem identified	Methods of problem identification	Location Name of Village & Block
✿ Low productivity ✿ Low profitability ✿ Excessive use of inputs ✿ Lack of crop diversification ✿ Crop Rotation	✿ Communication with local farmers in field Day programmes, Melas etc. ✿ State government organizations in extension activities. ✿ Feedback from Progressive farmers ✿ Interactions with farmers while Scientist visit to farmer's fields.	Sagoniya (Phanda) Karariya (Bersia) Premapura (Phanda) Sukaliya (Berasia) Kacchi barkheda (Phanda)
✿ Straw Burning ✿ Seed Replacement ✿ Inadequate and imbalanced use of plant nutrients. ✿ High incidence of pests and diseases ✿ Non-optimal geometry and plant population	✿ Scientific Advisory Committee Meeting ✿ Interaction while trainings of Extension Functionaries. ✿ Communication with local farmers in field Day programmes.	Sagoniya (Phanda) Sagoniya (Phanda) Kacchi barkheda (Phanda)
• Delayed harvesting • Storage Losses • Poor and in-efficient water management	✿ PRA techniques/Farmers meeting	Premapura (Phanda) Sagoniya (Phanda)

Problem identified	Methods of problem identification	Location Name of Village & Block
- Heavy weed infestation - Decrease in use of organic resources - Depletion of ground water resources leading to poor irrigation potential		Sagoniya (Phanda) Karariya (Bersia) Prempura (Phanda)

2. On Farm Testing (OFT)

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 Kharif	Low yield of soybean	Assessment of Soybean variety JS 2029	Assessment IInd year	(FP) Soybean variety Own produce	Soybean variety JS. 20-29	-	CP	Soybean	Rainfed	4.0	10							
2020 Rabi	Low yield of wheat due to use of own produce as seed	Assessment of wheat variety HD 2967	Assessment IInd year	(FP) Wheat variety Own produce	Wheat variety HD 2967	-	CP	Wheat	Irrigated timely sown	4.0	10							

2.1a Recommendations of OFTs

Recommendations																
Title of OFT				For Farmers							For Deptt. Personnel					

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)
	No. of weeds/m ²															
	Pods/plant (No)															
	Test weight (g.)															
	Yield q/ha															
Assessment of Soybean variety JS 2029	Plant population (No./m ²)															
	Pods/plant (No)															
	Test weight (g.)															
	Yield q/ha															
Assessment of wheat variety HD 2967	Tillers/m ² (No)															
	Grains/Ear head (No.)															
	Test weight (g.)															
	Yield q/ha															
	Pods/plant (No)															
	Test weight (g.)															
	Yield q/ha															

2.2. Information about Engineering OFT:

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						FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	
2020	Kharif	Poor drainage	Assessment of broad-bed seeder for soybean	Assessment	Sowing on flat bed	Broad-bed seeder	Farm Mechanization	Soybean	Rainfed	1.2 ha	3	-	-	-	-	-
2020	Rabi	Straw Burning	Assessment of strip-till drill	Assessment	FP	Strip-till drill/ Happy Seeder	Resource Conservation Technology	Wheat	Irrigated	1.2 ha	3	-	-	-	-	-

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
-	-	-

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)	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 broad-bed seeder for soybean	Field capacity (ha/h)	-	-	-	-	-	-	-	-	-	-
	Yield (Qtl/ha)										
Assessment of strip-till drill for sowing of wheat	Field capacity (ha/h)										
	Yield (Qtl/ha)										

2.3. Information about Home Science OFT:

	1.	2.	3.
Title of on-farm trial:	Nutrition garden for ensuring Nutritional Security	Prevent to Malnutrition in children	Enhance of nutritional value and use of Moringa
Year / Season:	Year - 2020 / Season- Kharif & Rabi	Year - 2020 / Season- Kharif & Rabi	Year - 2020/ Season- Kharif & Rabi
Name of Block	Phanda and Berasia	Phanda and Berasia	Phanda and Berasia
Name of Nutri Smart Village	Prapura and Karariya	Prapura and Karariya	Prapura and Karariya
Category (Children (0-5 Year)/ Adolescent Girls / Women)	Adolescent Girls /Women (P/L)	Children (0-5 Year)	Adolescent Girls / Women
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	Underweight	Underweight	-
Causes for malnutrition	Poor Knowledge and habits related to nutrition	Lack of Knowledge and habits	Traditional method
Title of Technical intervention/ OFT	Improved diet (Nutrients)	Prevent to Malnutrition	Training / Demonstration
Problem diagnosis:	Nutrient Deficiency	Malnutrition in children	-
Thematic area:	Nutritional Security	Use of soybeans	Enhance of nutritional value of food
No of trials:	5	5	5
No. of farmers/farm women involved	5	5	10-15 each trials
Type of OFT (Assessment/ Refinement):	Assessment	Assessment	Assessment
Details of technology selected for assessment: T1 – Farmers Practice- T2 – Recommended Practice-	According to season Include all type vegetable (Leafy, Root and Others Vegetable) in daily intake food and For Improve nutrition value	Use of soya Milk and Tofu for prevent malnutrition	Moringa
Source of technology:	-	-	-
Characteristics of technology:	Training and observation	Training and observation	Training / Demonstration
Name of Crop / Enterprises:	Household	Product	Product
Farming situation:	-	-	-
Date of sowing:	-	-	-
Date of harvesting:	-	-	-
Recommendations for Farmers	-	-	-

	1.	2.	3.
Title of on-farm trial:	Nutrition garden for ensuring Nutritional Security	Prevent to Malnutrition in children	Enhance of nutritional value and use of Moringa
Year / Season:	Year - 2020 / Season- Kharif & Rabi	Year - 2020 / Season- Kharif & Rabi	Year - 2020/ Season- Kharif & Rabi
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: (value addition for marketing)

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 through value addition)

Detail of Technology	Name of Product/enterprise	Composition of product	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
				Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Weight (Kg)	Height (cm)	BMI (Wt in Kg/ Ht in m2)
T1 (Farmers Practices)	-	-	-	-	-	-	-	-	-	-
T2(Recommended Practices)	Milk and Tofu for prevent malnutrition	-	-	-	-	-	-	-	-	-
T3(Recommended Practices)	Enhance of nutritional value and use of Moringa	-	-	-	-	-	-	-	-	-

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

Name of Enterprise /product: - Nutritional Garden

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 Nutritional Garden	05	-	-	-	-	-	-	-	-
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/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed /Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
									FP (T ₁)	RP (T ₂)		S C	S T	Others	General	Total
Rabi 2020-21	VE	Package Demonstration	Cereal	Wheat	Package Demonstration of wheat variety HI 8663 under Irrigated condition	Irrigated		4.0 (10)								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)
Package Demonstration of wheat variety HI 8663 under Irrigated condition	Wheat	Tillers/m ² (No)										
		Grains/Ear head (No.)										
		Test weight (g.)										
		Yield q/ha										

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

KVK Name	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
BHOPAL	Rabi 2019-20	AEG	Straw Mulcher	Cereals	Wheat	--	Irrigated		2.0 (05)								

KVK Name	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
BHOPAL	Rabi 2019-20	AEG	Happy seeder	Cereals	Wheat	--	Irrigated		2.0 (05)								

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)
Straw Mulcher	Wheat	Field capacity (ha/h)										
		Cost of operation (Rs./h)										
		Yield (Qtl./ha)										
Happy seeder	Wheat	Field capacity (ha/h)										
		Cost of operation (Rs./h)										

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 (Qtl./ha)										

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

KVK Name	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

KVK Name	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

3.8 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)

3.10 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	Others	General	Total
2020	All	Nutritional security through value addition	Demonstration of iron and protein rich food in daily diet	Value Addition (Use of Jaggery, Lai, groundnut, leafy vegetables)	--	05								
2020	All	Drudgery Reduction	Power operated grain cleaner-cum-grader.	Demonstration of women friendly tools	--	05								

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
Power operated grain cleaner-cum-grader.														

*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	
Demonstration of iron and protein rich food in daily diet																				

3.11 Training and Extension activities conducted under FLD

Crop	Activity	Proposed Number of Activities	Number of participants	Remarks
Soybean	Field days	1	25	-
	Farmers Training	2	50	-
	Media coverage	2	Mass scale	-
	Training for extension functionaries	1	10	-
Gram	Field days	1	40	-
	Farmers Training	1	10	-
	Media coverage	1	Mass scale	-
	Training for extension functionaries	1	10	-
Wheat	Field days	1	40	-
	Farmers Training	1	20	-
	Media coverage	1	Mass scale	-
Harvesting of soybean & wheat	Field days	1	40	-
	Farmers Training	2	20	-
	Media coverage	1	Mass scale	-
	Training for extension functionaries	1	15	-

Crop	Activity	Proposed Number of Activities	Number of participants	Remarks
Nutritional Security	Field days	2	40	-
	Women Farmers Training	2	40	-

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
Bhopal	-	-	-	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Bhopal	

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
Bhopal				

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others

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	ONC	Crop Production	Weed Management	Weed Management	2	1-2							40	
		Crop Production	Resource Conservation Technologies											
		Crop Production	Cropping Systems											
F&FW	ONC	Crop Production	Crop Diversification	Crop Diversification	2	1-2							40	
		Crop Production	Integrated Farming											
		Crop Production	Micro irrigation/irrigation											
		Crop Production	Seed production											
F&FW	ONC	Crop Production	Nursery management	Nursery management	2	1-2							40	
F&FW	ONC	Crop Production	Integrated Crop Management	Integrated Crop Management	3	1-2							60	
		Crop Production	Soil & water conservation											
F&FW	ONC	Crop Production	Integrated nutrient Management	Integrated nutrient Management	2	1-2							40	
		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											

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 (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											
		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	Propagation techniques 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
		Plants)	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											
		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											

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	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											
		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											

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
		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											
		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											
FW	ONC & OFC	Home Science/Women empowerment	Value addition	4	1-2									40
FW	ONC& OFC	Home Science/Women empowerment	Women empowerment	4	1-2									40

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
		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)											
FW	ONC	Agril. Engineering	Farm machinery & its maintenance	2	1-2								40	
		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											
F	ONC	Agril. Engineering	Post Harvest Technology	3	1-2								60	
		Agril. Engineering	Others (Pl. Specify)											
F	ONC	Plant Protection	Integrated Pest Management	2	1-2								40	
F	ONC	Plant Protection	Integrated Disease Management	2	1-2								40	
		Plant Protection	Bio0control of pests and diseases											
		Plant Protection	Production of bio control agents and bio pesticides											
		Plant Protection	Others (Pl. Specify)											
		Fisheries	Integrated fish farming											

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
		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											
		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											

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
			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											
		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

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
Bhopal	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											
	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											

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
	RY		Ornamental fisheries											
	RY		Composite fish culture											
	RY		Freshwater prawn culture											
	RY		Shrimp farming											
Bhopal	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

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
Bhopal	IS	ONC	Productivity enhancement in field crops	Productivity enhancement in field crops	2	1-2							40	
	IS		Integrated Pest Management											
	IS	ONC	Integrated Nutrient management	Integrated Nutrient management	2	1-2							40	
	IS		Rejuvenation of old orchards											
	IS		Protected cultivation technology											
	IS	ONC	Production and use of organic inputs	Production and use of organic inputs	2	1-2							40	
	IS	ONC	Care and maintenance of farm machinery and implements	Care and maintenance of	2	1-2							40	

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
				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

Name of KVK	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
Bhopal	Crop production and management	Commercial floriculture													

Name of KVK	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 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													
	Income generation activities	Rural Crafts													

Name of KVK	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													
	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	Training Title	Durati on (days)	No. of cours es	No. of Participants								Spon sorin g Agen cy	Fund receiv ed for trainin g (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
F&FW		Crop production and management	Increasing production and productivity of crops	Increasing production and productivity of crops	1-5	2							40			
		Crop production and management	Commercial production of vegetables													
F&FW		Crop production and management	Production and value addition		1-5	2							40			

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								Spon sorin g Agen cy	Fund receiv ed for trainin g (Rs.)
							Gen		Othe rs		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													
		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)													
		Livestock and fisheries	Livestock production and management													
		Livestock and fisheries	Animal Nutrition Management													
		Livestock and fisheries	Animal Disease Management													
		Livestock and fisheries	Fisheries Nutrition													

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								Spon sorin g Agen cy	Fund receive d for trainin g (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
		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)	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		
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	1	35
Women empowerment	3	210
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	3	127
Horticulture		
Soil Health and Fertility Management		
Livestock Production and Management		
Agril. Engineering	5	149
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	3												
Celebration of important days	4												
Diagnostic visits	20												
Exhibition	1												
Exposure visits	2												
Ex-trainees Sammelan	-												
Farm advisory Services	110												
Farmers visit to KVK	60												
Field Day	6												
Group meetings	4												
Kisan Ghosthi/Sammelán	6												
Kisan Mela	1												
Krishi Mahotsav													
Lectures delivered as resource persons	40												

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			
Mahila Mandals conveners meetings	1												
Method Demonstrations	4												
Pradhanmantri phasal beema yojana	-												
Scientific visit to farmers field	40												
Self Help Group conveners meetings	1												
Soil health Camp	1												
Soil test campaigns	4												
Technology Week	1												
Radio talks	4												
Extension literature	4												
TV talks	4												
Newspaper coverage	4												
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				
TV talks				
Newspaper coverage				
Internet (Youtube)				
Social media (Whats App, Facebook, Instagram, Twitter etc.)				

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	-	-	-
April to June 2020	Q2	-	-	-
July to September 2020	Q3	-	-	-
October to December 2020	Q4	-	-	-

7.2 Literature developed/published

Type	Number of copies (please don't give mass please fill number only)
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
Bhopal			

8. Production and supply of Technological products

8.1 SEED production

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

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.)
Fruit crop	Guava	L-49	PM	-	-	-	-	-
Fruit crop	Karonda	Red tinged	PM	-	-	-	-	-
Fruit crop	Moringa	Local	PM	-	-	-	-	-
Fruit crop	Custard apple	Local	PM	-	-	-	-	-
Ornamental	Ornamentals	Various	PM	-	-	-	-	-
Fruit crop	Lemon	Kagazi	PM	-	-	-	-	-

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

* Name of product should follow same pattern

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.), if applied
Bhopal	Bio Fertilizers	Non Symbiotic Azotobacter					
		Vermicompost	350	01	1750	Use in KVK nursery and farm	0.2
		Azolla					
		Earthworms					

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.), if applied
Bhopal		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 harzianum					
		Trichogramma chilonis					
		Beauveria bassiana					
		Metarhizium anisopliae					
		Pseudomonas fluorescens					
		SINPV					

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.), if applied
	Bhopal	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)					
		Any other (pl. specify)					

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.), if applied

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				
	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					
													Sanctioned	Procured
Non Functional	-	-	-	-	-	-	-	-	-	-	-	-	-	

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)
Bhopal	-	-	-	-	-

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

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

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)
Merged with CIAE					

13. Utilization of Staff Quarters facilities

Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Merged with CIAE				

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

Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
October 2020 (Proposed)	30	

*Attached separate file.

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

Footfall during 2020			
No. of Farmers	No. of officials	No. of VIPs	Total
200	20	02	Aprox. 222

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

KVK	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		05	65516	503	428
			Integrated Farming					

KVK	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
			Field Preparation		05	65516	503	428
			Any Other (Specify)					
	2	Weather	Advisory					
			Change in variety					
			Change in Sowing technique					
			Climate forecast					
			Any Other (Specify)					
	3	Soil Management	Soil Testing		05	65516	503	428
			INM					
			Fertilizer Application		05	65516	503	428
			Vermicomposting/ bio-waste recycling					
			Bio-fertilizer					
			Any Other (Specify)					
	4	Disease & Pest Management	Disease Management		05	65516	503	428
			Pest Management		05	65516	503	428
			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		05	65516	503	428
			Drudgery Reduction					
			Entrepreneurship & Income					

KVK	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
			Generation					
			Advisory		05	65516	503	428
			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			05	65516	503	428
	9	Extension						
	10	Organic Farming						
	11	Marketing						
	12	Awareness			05	65516	503	428
	13	Other Enterprise						
	14	Any Other(Specify)			05	65516	503	428

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)
As per demand	-	-	--	-	-

18. Status of Contingency Utilization Jan-Dec-2020

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.)

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

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
Crop cafeteria (0.8 ha)	Vegetables, fruits etc	Guava, Mango, Lime, Orange, Custard apple, Anola, Ber, etc.	Guava, L- 49, Amrapali, Dusheri, Kagji,	Guava, L- 49, Amrapali, Dusheri
Agro-technological park (0.5 ha)	Cereals, Pulses, Oilseeds,	Wheat, Soybean, Gram, Red gram, etc.		

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.
	Bhopal	-	-	-	-

*Attached separate File

23. KVK interaction with progressive farmers

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

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
Bhopal	02	503	2	2	8	215

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 *
Bhopal	-	-	-	-	-	-	-

*Attached separate File

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	
KVK Raisen	Knowledge & Technology support	--	--	Different types of variety of plant material & equipment support
KVK Sehore	Knowledge & Technology support	--	--	Different types of variety of plant material, SAC meeting
KVK, Rajgarh	Knowledge & Technology support	--	--	Equipment support given.

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
01.	Bhopal	With CIAE	With CIAE	With CIAE	-

29. Status of Mobile Apps developed by KVK

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

30. Status of RTI

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

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
Bhopal	-	-	-	-
	Total			

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

33. Participation in HRD Programmes organized by DES

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

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

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)
Bhopal	-	-	-	-	-

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

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
Bhopal	-	-	-	-

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			

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
Bhopal	-	-	-	-

Farmers-scientists interaction on livestock management

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

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Bhopal	-	-	-

Seed distribution in drought hit area

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

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Bhopal	-	-	-	-
Saplings				
Bhopal	-	-	-	-

Bio-control Agents

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

Bio-Fertilizer

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

Worms Produced

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

Large scale adoption of resource conservation technologies

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

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
Bhopal	-	-

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

3. KVK Buhanpur

Summary of the activities

KVK Name	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					

KVK Name	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-					
	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
Burhanpur	16	01	01	06	05	03	03	06	06	16	15

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Burhanpur	Sr. Scientist and Head	Dr. Ajeet Singh	Horticulture	Ph.D.	Horticulture (Fruit Sci.)	22320-8000-39100	48060	07.05.2010	General
Burhanpur	SMS/ Scientist 1	Shri. Bhupendra Singh	Agronomy	M.Sc.	Agronomy	15600-5400-39100	19680	16.09.2013	General
Burhanpur	SMS/ Scientist 2	Smt. Monika Jaiswal	Extension	M.Sc.	Agricultural Extension	15600-5400-39100	19680	16.09.2013	OBC
Burhanpur	SMS/ Scientist 3	Shri. Kartikey Singh	Plant Protection	M.Sc.	Plant Protection	15600-5400-39100	19680	18.09.2013	General
Burhanpur	SMS/ Scientist 4	Smt. Megha Vibhute	Horticulture	M.Sc.	Horticulture (Veg. Sci.)	15600-5400-39100	19680	19.09.2013	OBC
Burhanpur	SMS/ Scientist 5	Shri. Amol Deshmukh	Animal Science	M.Sc.	Animal Husbandry	15600-5400-39100	18240	01.01.2016	OBC
Burhanpur	SMS/ Scientist 6	-	VACANT	-	-	-	-	-	-
Burhanpur	Programme Assistant	Shri. Rahul Satarkar	Genetics and Plant Breeding	M.Sc.	Genetics and Plant Breeding	9300-4200-34800	11450	24.12.2014	General

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Burhanpur	Farm Manager	Shri. Sandeep Rathod	Entomology	M.Sc.	Entomology	9300-4200-34800	11450	23.12.2014	OBC
Burhanpur	Computer Programmer	Shri. Mohammad Tauheed	Computer	M.Com PGDCA	Commerce	9300-4200-34800	15030	17.07.2007	General
Burhanpur	Accountant / superintendent	Shri Sayed Navid	Commerce	M.Com MBA	Business Administration	9300-4200-34800	11450	22.12.2014	General
Burhanpur	Stenographer	Smt. Afrin Syed	Commerce	B.Com.	Commerce	5200-2400-20200	8440	17.07.2007	General
Burhanpur	Driver	Shri. Shakil Uddin	Driving	8 th	Driving License	5200-2000-20200	8290	17.07.2007	General
Burhanpur	Driver	Shri. Wasim Sahab	Driving	8 th	Driving License	5200-2000-20200	8290	17.07.2007	OBC
Burhanpur	Supporting staff, if any	Shri. Manoj Tayde	Arts	BA	Arts	5200-1800-20200	8180	17.07.2007	SC
Burhanpur	Supporting staff, if any	Shri. Mahesh Singh	-	10 th	-	5200-1800-20200	8180	17.07.2007	General

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
Burhanpur	AES I and II	02	167	756993	59.9	267748	63703	1.70 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)
Burhanpur	Dhulkot	2008	Burhanpur	40	2624	516
Burhanpur	Harda	2011	Burhanpur	50	1996	308
Burhanpur	Hanumatkheda	2011	Khaknar	30	490	52
Burhanpur	Umarda	2013	Burhanpur	12	1800	150
Burhanpur	Jalandhara	2014	Burhanpur	45	2600	350
Burhanpur	Bhagwaniya	2014	Burhanpur	36	1200	40

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Burhanpur	Adgaon	2017	Khaknar	36	2800	400
Burhanpur	Sirpur	2017	Khaknar	12	3000	450
Burhanpur	Nimandhad	2018	Khaknar	40	2500	300

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Burhanpur	Promotion of Integrated farming system
Burhanpur	Livestock up gradation and Management
Burhanpur	Seed replacement- use of high yielding varieties tolerant to biotic and abiotic factors
Burhanpur	Promotion of Horticultural crops.
Burhanpur	Crop Diversification
Burhanpur	Soil Health Improvement
Burhanpur	Pest management in crops
Burhanpur	Water Conservation and Management
Burhanpur	Employment generation for rural youths through agri. enterprises
Burhanpur	Strengthening of marketing network

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Burhanpur	Low yield due to improper management in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	-
Burhanpur	Dissemination of seed treatment techniques.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	-
Burhanpur	Improve irrigation and water management practices	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	-
Burhanpur	Introduction of high yielding dwarf varieties of banana	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	-
Burhanpur	To reduce post-harvest losses of fruits and vegetables.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	-
Burhanpur	Soil test based plant nutrient management.	Through PRA tools and Discussion with the group of	-

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
		farmer, farm women and rural youth	
Burhanpur	Integrated plant nutrient management.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	-
Burhanpur	IPM approach to manage insect pest in cotton.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	-
Burhanpur	Rural women do not aware of balanced diet	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	-
Burhanpur	Low production and reproduction performance due to poor LPM practices	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	-

2. On Farm Testing (OFT)

Thematic Areas for OFT/FLD

Thematic Areas for OFT/FLD	Parameters Name and unit
OFT/FLD on Crops	
Agro Forestry	Yield q/ha
Crop Diversification	insect population/plant
Integrated Crop Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod
Integrated Farming system	Rhizome wt/Plant(g)
Integrated Disease Management	Disease incidence (%)
Integrated Nutrient Management	No of effective tillers/hill
Integrated Weed Management	No of weeds/m ²
Varietal Evaluation	Plant Height(cm), No of pods/plant, No of Siliquae/plant, No. of Grain / pod, Fruit wt(g)
Integrated Pest Management	Insect Infestation (%), No. of Larvae or insect / meter row length
Integrated Plant Nutrient Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod Fruit Length(cm) , Fruit wt(g), No of nodules/plant
Feed and Fodder Production	Fruit Length(cm) ,
Resource conservation Technology	Plant Height(cm),

Thematic Areas for OFT/FLD	Parameters Name and unit
Soil Fertility Management	No of Cobs/plant
	No of Larvae/m ²
	No of Panicles/m ²
	No of Tillers/hills
	No of Bulb weight(g)
	No of Grains/panical
	No. of tubers/plant
	Weight of Curd/head (g/plant)
	No. of Siliquae or Capsule /plant
	Seedling Germination (%)
OFT/FLD on Agriculture Engineering	
Farm Mechanization	Yield (q/ha)
Resource Conservation Technology	Field Capacity (ha/hr)
Post-Harvest Management	Cleaning efficiency %
Storage loss minimization Technology	Cleaning Capacity q/hr
Small Farm Implements	weed population per m ²
	tillers/plant
	water inefficiency
	irrigation efficiency
OFT/FLD on Animal Science	
Animal Feed / Fodder Management	Milk yield (Lit/day/animal)
Animal Disease Management	Change in body weight(kg)
Animal Nutrition Management	Egg Production/bird/year
Livestock production & management	% decrease in Worm
Animal breed evaluation	Parasite control (%)
Poultry Production and management	Body weight at 6 month (kg/goat)
	Parasite infestation (%)
	Live weight (kg/bird) at 3 Month
	Growth Rate (90 days)
	Yield q/ha (Fodder)
	Mortality %

Thematic Areas for OFT/FLD	Parameters Name and unit
	Feed intake(%)
	Disease infestation(%)
OFT/FLD on Fisheries	
Fingerling Production in Seasonal Ponds	Yield (q/ha)
Composite Fish Farming	Yield (q/ha), ABW (kg)
Fish Nutrition	Survival Rate (%)
Fish-cum-Duck Farming	Disease incidence (%)
Fish Production & Management	
Fish Breeding	
Fish Seed Production	
Spawn to fry production	
Integrated Farming System	

2.1 Information about OFT:

1. Title of on-farm trial:	Assessment of Integrated Nutrient Management in Chilli (1st yr)
Year/Season:	Kharif, 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield of chilli imbalance use of fertilizer in chilli
Thematic area:	HOV
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 : 100 kg/ha DAP + 100 kg Urea (64:46)
T2 –Recommended Practice-	T2 : RDF 150:80:80 NPK
T3- Recommended Practice-	T3 : FYM + RDF 150:80:80 NPK
Date of sowing:	June, 2020
Date of harvesting:	Jan 2021
Source of technology:	JNKVV, 2008
Characteristics of technology:	High yield due to balance fertilization

1. Title of on-farm trial:	Assessment of Integrated Nutrient Management in Chilli (1st yr)
Name of Crop/Enterprises:	Chilli
Recommendations for Farmers	Under assessment as this is our first year OFT
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 : 100 kg/ha DAP + 100 kg Urea (64:46)	Yield	q/ha	-	-	-	-
T2 : RDF 150:80:80 NPK	Yield	q/ha	-	-	-	-
T3 : FYM + RDF 150:80:80 NPK	Yield	q/ha	-	-	-	-

2. Title of on-farm trial:	Assessment of PGRs for control of flower & fruit dropping in lemon (1st yr)
Year/Season:	Kharif, 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to heavy Flower and fruit dropping
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-	No use of Plant growth regulators
T2 –Recommended Practice-	NAA @100 PPM
T3- Recommended Practice-	NAA @100 PPM, 2,4-D @30 ppm and GA 3 @ 100 PPM
Date of sowing:	
Date of harvesting:	
Source of technology:	NRCC, Nagpur, 2012

2. Title of on-farm trial:	Assessment of PGRs for control of flower & fruit dropping in lemon (1st yr)
Characteristics of technology:	Use of PGR for control of flower and fruit drop
Name of Crop/Enterprises:	Lemon
Recommendations for Farmers	Under assessment as this is our first year OFT
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of cultivation (Rs/ha)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
No use of Plant growth regulators	Yield	qt/ha	-	-	-	-	-
NAA @100 PPM	Yield	qt/ha	-	-	-	-	-
NAA @100 PPM, 2,4-D @30 ppm and GA 3 @ 100 PPM	Yield	qt/ha	-	-	-	-	-

3. Title of on-farm trial:	Assessment of Banana based intercropping under soybean-banana cropping system (IIIrd year)
Year/Season:	Rabi, 2020
Farming situation:	Irrigated
Problem diagnosis:	High cost of production and low income per unit area due to sole cropping in banana
Thematic area:	HOV
No of trials:	07
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Soybean – Banana
T2 –Recommended Practice-	Soybean – Banana + Garlic
T3- Recommended Practice-	Soybean – Banana + Watermelon
Date of sowing:	November, 2020
Date of harvesting:	October, 2021

Source of technology:	NRCB, Trichy
Characteristics of technology:	Banana + Garlic/ Watermelon
Name of Crop/Enterprises:	Banana
Recommendations for Farmers	Banana based intercropping especially Banana + Garlic & Watermelon is very profitable and farmers start practicing to get more income per unit area.
Recommendations for Deptt. Personnel	Hort. Dept. is advised to promote intercropping in banana on large scale
Feedback	Through adoption of this technology farmers getting more profit and income per unit area.

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of cultivation (Rs/ha)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Soybean – Banana	Yield	qt/ha	-	-	-	-	-
Soybean – Banana + Garlic	Yield	qt/ha	-	-	-	-	-
Soybean – Banana + Watermelon	Yield	qt/ha	-	-	-	-	-

4. Title of on-farm trial:	Assessment of IPM technology in Garlic (IInd year)
Year/Season:	Rabi, 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to heavy infestation of thrips
Thematic area:	HOV/ IPM
No of trials:	07
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of dimethoate 30EC (Rogar)
T2 –Recommended Practice-	Installation of yellow sticky card + reduction in nitrogen fertilizer + Fipronil @ 600 ml/ha
T3- Recommended Practice-	Installation of yellow sticky card + reduction in nitrogen fertilizer + Spinosad @ 100 ml/ha
Date of sowing:	November, 2020

Date of harvesting:	March, 2021
Source of technology:	NCIPM, 2015
Characteristics of technology:	Sticky card + Balance nutrition followed by chemical spray
Name of Crop/Enterprises:	Garlic
Recommendations for Farmers	Under assessment as this is our first year OFT
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of cultivation (Rs/ha)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Use of dimethoate 30EC (Rogar)	Yield	qt/ha	-	-	-	-	-
Installation of yellow sticky card + reduction in nitrogen fertilizer + Fipronil @ 600 ml/ha	Yield	qt/ha	-	-	-	-	-
Installation of yellow sticky card + reduction in nitrogen fertilizer + Spinosad @ 100 ml/ha	Yield	qt/ha	-	-	-	-	-

5. Title of on-farm trial:	Assessment of Soybean and wheat variety for better yield under soybean – wheat cropping system (IIIrd yr)	
Year/Season:	Kharif and Rabi, 2020 – 21	
Farming situation:	Irrigated	
Problem diagnosis:	Low yield of soybean and wheat due to long duration old variety	
Thematic area:	CRP	
No of trials:	10+7 =17	
No. of farmers involved	10+7 =17	
Type of OFT (Assessment/ Refinement):	Assessment	
Details of technology selected for assessment/ refinement:		
T1 – Farmers Practice-	JS-335	Lok-1

T2 –Recommended Practice-	JS-2029	P.Tejas (HI -8759)- Bio fortified Variety
T3- Recommended Practice-	RVS 2001-4	DBW-110
Date of sowing:	June, 2020	November, 2020
Date of harvesting:	October, 2020	March, 2021
Source of technology:	JS-2029 : JNKVV, Jabalpur, 2014 RVS 2001-4 : RVSKVV, Gwalior, 2010 HI_8759 : IARI, Pusa, New Delhi, 2016 DBW-110 : DWR, Karnal, 2014	
Characteristics of technology:	JS-2029 : Maturity 90-95 days, Yield 25-30 qt/ha, Resistant to YMV, pest and Charcoal rot. RVS 2001-4 : Maturity 93 days, Yield 25 qt/ha., Resistant to YMV, girdle beetle and semi looper. HI-8759 : Maturity 120-125 days, Yield 55-57 qt/ha, Resistant to rust. DBW-110 : Maturity 105-110 days, yield 45-55 qt/ha, Resistant to rust.	
Name of Crop/Enterprises:	Garlic	
Recommendations for Farmers	Variety DBW-110 in wheat and RVS 2001-4 in soybean performing well in our area and gaining momentum in the district	
Recommendations for Deptt. Personnel	Both the varieties recommended to dist. agri. Dept. / Beej nigam for large scale dissemination	
Feedback	Yield and quality of both the varieties appreciated by the farmers	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of cultivation (Rs/ha)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
JS-335	Yield	qt/ha	-	-	-	-	-
JS-2029	Yield	qt/ha	-	-	-	-	-
RVS 2001-4	Yield	qt/ha	-	-	-	-	-
Lok-1	Yield	qt/ha	-	-	-	-	-
HI-8759	Yield	qt/ha	-	-	-	-	-
DBW-110	Yield	qt/ha	-	-	-	-	-

7. Title of on-farm trial:	Assessment of different variety of Green Gram (IInd yr)
Year/Season:	Kharif, 2020 – 21
Farming situation:	Irrigated
Problem diagnosis:	Poor yield due to use of old variety in green gram
Thematic area:	CRP
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-	Pusa Baisakhi, K-851
T2 –Recommended Practice-	IPM 2-3
T3- Recommended Practice-	IPM 410-3 (Shikha)
Date of sowing:	June, 2020
Date of harvesting:	September, 2021
Source of technology:	IPM 2-3 : IIPR, Kanpur, 2009 IPM 410-3: IIPR, Kanpur, 2015
Characteristics of technology:	IPM 2-3 : Resistant to MYMV, large seed, suitable for kharif and spring. Yield 10 qt/ha. Maturity 70-72 days. IPM 410-3 : Highly resistant to moongbean yellow mosaic disease and powdery mildew, Yield 12 qt/ha. Maturity 70-75 days.
Name of Crop/Enterprises:	Green Gram
Recommendations for Farmers	Under assessment as this is our first year OFT
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of cultivation (Rs/ha)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Pusa Baisakhi, K-851	Yield	qt/ha	-	-	-	-	-

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of cultivation (Rs/ha)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
IPM 2-3	Yield	qt/ha	-	-	-	-	-
IPM 410-3 (Shikha)	Yield	qt/ha	-	-	-	-	-

8. Title of on-farm trial:	Assessment of short duration variety in chickpea (IIIrd yr)	
Year/Season:	Rabi, 2020 – 21	
Farming situation:	Irrigated	
Problem diagnosis:	Use of old long duration variety	
Thematic area:	CRP	
No of trials:	07	
No. of farmers involved	07	
Type of OFT (Assessment/ Refinement):	Assessment	
Details of technology selected for assessment/ refinement:		
T1 – Farmers Practice-	Local	
T2 –Recommended Practice-	JG-14	
T3- Recommended Practice-	RVG-202	
Date of sowing:	November, 2020	
Date of harvesting:	March, 2021	
Source of technology:	JG-14 (JNKVV, Jabalpur-2008), RVG-202 (RVSKVV, Gwalior-2012)	
Characteristics of technology:s	JG-14 Yield 18 q/h Maturity 100-105 days Resistant to wilt & Heat tolerant	RVG-202 Yield 20 q/h Maturity 102 days Resistant to wilt, dry root rot & collar rot
Name of Crop/Enterprises:	Chickpea	
Recommendations for Farmers	Variety RVG-202 and JG-14 in chickpea performing well in our area and gaining momentum in the district	
Recommendations for Deptt. Personnel	Both the varieties recommended to dist. agri. Dept. / Beej nigam for large scale dissemination	
Feedback	Yield and quality of both the varieties appreciated by the farmers	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of cultivation (Rs/ha)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Local	Yield	qt/ha	-	-	-	-	-
JG-14	Yield	qt/ha	-	-	-	-	-
RVG-202	Yield	qt/ha	-	-	-	-	-

9. Title of on-farm trial:	Assessment of management practice for control of fall Army worm in kharif maize (1st yr)
Year/Season:	Kharif, 2020 – 21
Farming situation:	Irrigated
Problem diagnosis:	Crop damage and low yield of maize due to infestation of fall army worm since last two year and affected area approx more than 85% of maize.
Thematic area:	PLP
No of trials:	10 (5+5)
No. of farmers involved	10 (5+5)
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of pesticide at the time of infestation
T2 –Recommended Practice-	I- Spray of Azadirachtin 1500 PPm @ 5 ml/l at the time of germination (first stage crop) II – Spray of Emamectin Benzoate 5% @ 0.4 gm/l at the time of second stage crop (Growth to harvest)
T3- Recommended Practice-	I- Spray of Azadirachtin 1500 PPm @ 5 ml/l at the time of germination (first stage crop) II– Spray of Thaomethaxzame 12.6% + Lambda cyhalothrin 9.5% @ 0.5 ml/l at the time of second stage crop (Growth to harvest)
Date of sowing:	June, 2020
Date of harvesting:	October, 2020
Source of technology:	ICAR – DMR , New Delhi 2018-19
Characteristics of technology:	Azadirachtin 1500 PPM 5 ml/l, Thaomethaxzame 12.6% + Lambda cyhalothrin 9.5% @ 0.5 ml/l and Emamectin Benzoate 5% @ 0.4 gm/l is already recommended for <i>kharif</i> season in Madhya Pradesh, against control of fall army worm.

Name of Crop/Enterprises:	Maize
Recommendations for Farmers	Both the technology performed well in Burhanpur District and farmer's certified, may be demonstrated FLD for large scale dissemination.
Recommendations for Deptt. Personnel	Based on the performance in our OFT & feedback of the farmers. Both the technology may be recommended to the department for further large scale dissemination
Feedback	Spray of Emamectin Benzoate 5% @ 0.4gm/l + Thiamethoxam 12.6% with Lambda cyhalothrin 9.5 @ 0.5 ml/l was more effective

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of cultivation (Rs/ha)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Use of pesticide at the time of infestation	Yield	qt/ha	-	-	-	-	-
I- Spray of Azadirachtin 1500 PPm @ 5 ml/l at the time of germination (first stage crop) II – Spray of Emamectin Benzoate 5% @ 0.4 gm/l at the time of second stage crop (Growth to harvest)	Yield	qt/ha	-	-	-	-	-
I- Spray of Azadirachtin 1500 PPm @ 5 ml/l at the time of germination (first stage crop) II– Spray of Thiomethaxzame 12.6% + Lambda cyhalothrin 9.5% @ 0.5 ml/l at the time of second stage crop (Growth to harvest)	Yield	qt/ha	-	-	-	-	-

10. Title of on-farm trial:	Assessment of management practice for control of pod borer in chick pea (IInd yr)
Year/Season:	Rabi, 2020 – 21
Farming situation:	Irrigated
Problem diagnosis:	Low yield of chick pea due to infestation of pod borer and affected area approx more than 85% of chick pea.

Thematic area:	PLP
No of trials:	10 (5+5)
No. of farmers involved	10 (5+5)
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of pesticide at the time of infestation
T2 –Recommended Practice-	Use of 5 pheromone trap/acre + spray neem oil 10000 PPM @ 450-500 ml/acre + need based Emamectine benzoate 5% SG @ 100gm/acre
T3- Recommended Practice-	Use of 5 pheromone trap/acre + NPV @ 300-400 ml/acre + need based Endoscarb 14.5 SC @ 200gm/acre
Date of sowing:	October, 2020
Date of harvesting:	March 2021
Source of technology:	IIPR, Kanpur (Annual Report 2014-15)
Characteristics of technology:	Use of 5 pheromone trap/acre + spray neem oil 10000 PPM @ 450-500 ml/acre + need based Emamectine benzoate 5% SG @ 100gm/acre and need based Endoscarb 14.5 SC @ 200gm/acre against control of pod borer
Name of Crop/Enterprises:	Chick pea
Recommendations for Farmers	Both the technology performed well in Burhanpur District and farmer's certified, may be demonstrated FLD for large scale dissemination.
Recommendations for Deptt. Personnel	Based on the performance in our OFT & feedback of the farmers. Both the technology may be recommended to the department for further large scale dissemination
Feedback	Use of 5 pheromone trap/acre + spray neem oil 10000 PPM @ 450-500 ml/acre + need based Emamectine benzoate 5% SG @ 100gm/acre and need based Endoscarb 14.5 SC @ 200gm/acre against control of pod borer was more effective

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of cultivation (Rs/ha)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Use of pesticide at the time of infestation	Yield	qt/ha	-	-	-	-	-
Use of 5 pheromone trap/acre + spray neem oil 10000 PPM @	Yield	qt/ha	-	-	-	-	-

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of cultivation (Rs/ha)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
450-500 ml/acre + need based Eamectine benzoate 5% SG @ 100gm/acre							
Use of 5 pheromone trap/acre + NPV @ 300-400 ml/acre + need based Endoscarb 14.5 SC @ 200gm/acre	Yield	qt/ha	-	-	-	-	-

11. Title of on-farm trial:	Assessment of weedicide in wheat (IIIrd yr)
Year/Season:	Rabi, 2020 – 21
Farming situation:	Irrigated
Problem diagnosis:	Low yield of wheat due to weed infestation (Total area 10000 ha.). Majority of the farmers are not able to select proper weedicide. They used to select either broad or narrow leave based weedicide. Increased cost of production due to hand weeding
Thematic area:	PLP
No of trials:	08
No. of farmers involved	08
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Hand Weeding
T2 –Recommended Practice-	Spray of clodinafop 60 gm ai/ha + Metsulfuron methyl @ 4 gm ai/ha (Vesta 400 gm/ha) 25-30 DAS
T3- Recommended Practice-	Spray of sulfosulfuron 25 gm ai/ha + Metsulfuron methyl @ 4 gm ai/ha (total 40gm/ ha) 25-30 DAS
Date of sowing:	November, 2020
Date of harvesting:	March, 2021
Source of technology:	IARI, Indore. 2015 (July Ext Bulletin Ist)
Characteristics of technology:	Spray of clodinafop 60 gm ai/ha + Metsulfuron methyl @ 4 gm ai/ha (Vesta 400 gm/ha) 25-30 DAS Spray of sulfosulfuron 25 gm ai/ha + Metsulfuron methyl @ 4 gm ai/ha (total 40gm/ ha) 25-30 DAS
Name of Crop/Enterprises:	Wheat

Recommendations for Farmers	Both spray perform well in our area
Recommendations for Deptt. Personnel	Both the treatments recommended to dist. agri. Dept.
Feedback	Spray of clodinafop 60 gm ai/ha + Metsulfuron methyl @ 4 gm ai/ha (Vesta 400 gm/ha) 25-30 DAS was more effective

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of cultivation (Rs/ha)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Hand Weeding	Yield	qt/ha	-	-	-	-	-
Spray of clodinafop 60 gm ai/ha + Metsulfuron methyl @ 4 gm ai/ha (Vesta 400 gm/ha) 25-30 DAS	Yield	qt/ha	-	-	-	-	-
Spray of sulfosulfuron 25 gm ai/ha + Metsulfuron methyl @ 4 gm ai/ha (total 40gm/ ha) 25-30 DAS	Yield	qt/ha	-	-	-	-	-

12. Title of on-farm trial:	Assessment of management practice for control of pink ball worm in BT cotton (IIIrd yr)
Year/Season:	Kharif, 2020 – 21
Farming situation:	Irrigated
Problem diagnosis:	Low yield of BT cotton due to infestation of pink ball worm.
Thematic area:	PLP
No of trials:	08
No. of farmers involved	08
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of pesticide at the time of infestation.
T2 –Recommended Practice-	Profenophos 50 EC ai @ 1000 ml/ha. Thiodicarb 75% WP ai @ 400 gm/ha. Emamectin benzoate 5% SG ai @ 10gm/ha (at 15 days interval)
T3- Recommended Practice-	Cipermethyrin 25% EC ai @ 75ml/ha. Endoscarb 14.5% SC ai @ 100 gm/ha. Spinosad 45% SP ai @ 100 gm/ha (at 15 days interval)

Date of sowing:	May, 2020
Date of harvesting:	February, 2021
Source of technology:	CICR, Nagpur (JNKVV, Jabalpur Action Plan Workshop 2018-19)
Characteristics of technology:	Profenophos 50 EC ai @ 1000 ml/ha. Thiodicarb 75% WP ai @ 400 gm/ha. Emamectin benzoate 5% SG ai @ 10gm/ha (at 15 days interval) Cipermethyrin 25% EC ai @ 75ml/ha. Endoscarb 14.5% SC ai @ 100 gm/ha. Spinosad 45% SP ai @ 100 gm/ha (at 15 days interval)
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	Both spray perform well in our area
Recommendations for Deptt. Personnel	Both the treatments recommended to dist. agri. Dept.
Feedback	Cipermethyrin 25% EC ai @ 75ml/ha. Endoscarb 14.5% SC ai @ 100 gm/ha. Spinosad 45% SP ai @ 100 gm/ha (at 15 days interval) was more effective

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of cultivation (Rs/ha)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Use of pesticide at the time of infestation.	Yield	qt/ha	-	-	-	-	-
Profenophos 50 EC ai @ 1000 ml/ha. Thiodicarb 75% WP ai @ 400 gm/ha. Emamectin benzoate 5% SG ai @ 10gm/ha (at 15 days interval)	Yield	qt/ha	-	-	-	-	-
Cipermethyrin 25% EC ai @ 75ml/ha endoscarb 14.5% SC ai @ 100 gm/ha. Spinosad 45% SP ai 100 gm/ha (at 15 days interval)	Yield	qt/ha	-	-	-	-	-

13. Title of on-farm trial:	Assessment of mineral mixture supplementation on body weight gain in goat kid (IInd yr)
Year/Season:	Kharif, 2020 – 21
Farming situation:	Irrigated
Problem diagnosis:	Poor body weight gain due to poor feeding practices

Thematic area:	LPM
No of trials:	07 (3 kids/ farmer)
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Grazing + conc. Mix. without any supplementation
T2 –Recommended Practice-	Grazing + conc. Mix. 150 + 10 gm mineral mix./ day/ animal for 90 days
T3- Recommended Practice-	Grazing + conc. Mix. 150 + 15 gm mineral mix./ day/ animal for 90 days
Date of sowing:	-
Date of harvesting:	-
Source of technology:	CIRG, 2014
Characteristics of technology:	Grazing + conc. Mix.+ Mineral mix. Supplementation
Name of Crop/Enterprises:	Goat Kid
Recommendations for Farmers	Under assessment as this is our first year OFT
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of production (per kid)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Grazing + conc. Mix. without any supplementation	Yield	BW/Kid	-	-	-	-	-
Grazing + conc. Mix. 150 + 10 gm mineral mix./ day/ animal for 90 days	Yield	BW/Kid	-	-	-	-	-
Grazing + conc. Mix. 150 + 15 gm mineral mix./ day/ animal for 90 days	Yield	BW/Kid	-	-	-	-	-

14. Title of on-farm trial:	Assessment of azolla as a source of protein in goats (1st yr)
Year/Season:	Kharif, 2020 – 21
Farming situation:	Irrigated
Problem diagnosis:	Slow growth rate indigenous breed due to deficiency of protein in feed
Thematic area:	livestock Production Management
No of trials:	07
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No protein supplements
T2 –Recommended Practice-	Supplementation of 500 gm azolla with normal feed + 15 gm mineral mix
T3- Recommended Practice-	Supplementation of 750 gm azolla with normal feed + 15gm mineral mix
Date of sowing:	-
Date of harvesting:	-
Source of technology:	Division of Animal Nutrition, Shuhama, Srinagar -2015
Characteristics of technology:	Use of azolla as source of protein
Name of Crop/Enterprises:	Goat
Recommendations for Farmers	Use of azolla as protenious feed
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of production(per kid)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
No protein supplements	Yield	BW/goat	-	-	-	-	-
Supplementation of 500 gm azolla with normal feed + 2% mineral mix	Yield	BW/goat	-	-	-	-	-
Supplementation of 750 gm azolla with normal feed + 2% mineral mix	Yield	BW/goat	-	-	-	-	-

15. Title of on-farm trial:	Assessment of probiotics in daily ration of cow(1st yr)
Year/Season:	Rabi, 2020 – 21
Farming situation:	Irrigated
Problem diagnosis:	High incidence of acidosis and anorexia
Thematic area:	Animal Nutrition Management
No of trials:	07
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of any probiotic in diet
T2 –Recommended Practice-	Use of 15 gm. of live yeast culture in daily diets of cows
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IVRI ,2013
Characteristics of technology:	Live yeast culture helps in increasing microbial counts of rumen
Name of Crop/Enterprises:	Cow
Recommendations for Farmers	Use of probiotics in daily ration
Recommendations for Deptt. Personnel	-
Feedback	-

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of production (per kid)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
No use of any probiotic in diet	Increase in milk yield, B:C ratio	Milk yield/day/cow	-	-	-	-	-
Use of 15 gm. of live yeast culture in daily diets of cows	Increase in milk yield, B:C ratio	Milk yield/day/cow	-	-	-	-	-

16. Title of on-farm trial:	Assessment of enhanced milk yield through calcium supplementation and deworming in animal through dewormer albendazole (III rd yr)
Year/Season:	Rabi, 2020 – 20
Farming situation:	Irrigated
Problem diagnosis:	Poor practice of deworming in rural area and no calcium supplementation for lactating animal result in low milk yield
Thematic area:	LPM
No of trials:	07
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use of calcium supplementation for milch animals
T2 –Recommended Practice-	Deworming by albendazole and calcium supplementation
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IVRI, Izatnagar Bareilly
Characteristics of technology:	
Name of Crop/Enterprises:	Cattle
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	Milk yield enhanced

Details of technology	Name of Parameter	Unit of Parameter	Result (Yield)	Avg. Cost of production (per kid)	Avg. Gross Return (Rs/ha)	Avg. Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
No use of calcium supplementation for milch animals	Increase in milk yield, B:C ratio	Milk yield/day/cow	-	-	-	-	-
Deworming by albendazole and calcium supplementation	Increase in milk yield, B:C ratio	Milk yield/day/cow	-	-	-	-	-

2.2. Information about Extension OFT:

17. Title	Study on knowledge and adoption of Soil Health Card based fertilizer application (IIIrd yr)
Season and Year	2020
Problem identified	Low yield and high cost of cultivation due to problematic soil and poor health of soil
Thematic Area	EXT
Farming situation	Irrigated
Name of Technology under study	Soil Health Card
Farmers Practice	No use of SHC based fertilizer dose
Recommended Practice	Use of SHC based fertilizer dose
Source of Technology	JNKVV, Jabalpur, 2018
No. of replication (Farmers)	100
Feedback	SHC is very helpful in decreasing production cost and increasing in income.
Conclusion	It is clearly shown that with the help of SHC farmer got increase in their yield and income whereas, decrease in their production cost. As yield increases from 29 to 38 qtl./ha. There is an increase in percent change i.e. 23.68%. B:C ratio also increases from 1.74 to 2.16

Results / findings

Performance indicators/ parameters		Unit/ details								
Performance Indicator	Freq.	Response								
		High	%	Rank	Medium	%	Rank	Low	%	Rank
Knowledge	100	-	-	-	-	-	-	-	-	-
Understanding	100	-	-	-	-	-	-	-	-	-
Adoption	100	-	-	-	-	-	-	-	-	-
Cost of Cultivation	100	-	-	-	-	-	-	-	-	-
Yield Increase	100	-	-	-	-	-	-	-	-	-
Income Increase	100	-	-	-	-	-	-	-	-	-

18. Title	Study on impact of different Social Media for dissemination of information during Covid-19 lockdown
Season and Year	2020
Problem identified	Effect of Covid-19 on livestock sector, horticulture sector, food crops and labourers
Thematic Area	EXT
Farming situation	Irrigated
Name of Technology under study	Social Media
Farmers Practice	No use of Social media for the dissemination of information
Recommended Practice	Use of Social media for the dissemination of information
Source of Technology	2020
No. of replication (Farmers)	50
Feedback	-
Conclusion	-

Results / findings

Performance indicators/ parameters		Unit/ details								
Performance Indicator	Freq.	Response								
		High	%	Rank	Medium	%	Rank	Low	%	Rank
Knowledge level,	50	-	-	-	-	-	-	-	-	-
utilization extent,	50	-	-	-	-	-	-	-	-	-
message understanding,	50	-	-	-	-	-	-	-	-	-
dissemination extent,	50	-	-	-	-	-	-	-	-	-
need & time based,	50	-	-	-	-	-	-	-	-	-
Visibility & Clarity,	50	-	-	-	-	-	-	-	-	-
Applicability	50	-	-	-	-	-	-	-	-	-

2.3. Information about Home Science OFT:

Title of on-farm trial:	Assessment of Bio fortified variety of Soybean & Wheat for protein uptake in daily diet		
Year/Season:	2020		
Name of Block	Khaknar		
Name of Nutri Smart Village	Nimandhad		
Category (Children (0-5 Year)/Adolescent Girls/Women)	Children		
Nutritional Status (Stunted/Wasted/Underweight/Anemic)	Underweight		
Causes for malnutrition	Uptake of less nutrient efficiency diet		
Title of Technical intervention/ OFT	Assessment of Bio fortified variety of Soybean i.e. Green Soybean & Wheat i.e. Pusa Tejas HI-8759 for improving human nutrition		
Type of OFT (Assessment/ Refinement):	Assessment		
Thematic area:	Nutrition		
No of trials:	10		
No. of farmers/farm women involved:	10		
Name of Variety/Technology/Enterprises	Soybean - Green Soybean Wheat Pusa Tejas HI-8759		
Details of technology selected for assessment:			
T1 – Farmers Practice-	No use of Biofortified variety		
T2 –Recommended Practice-	Soybean - Green Soybean Wheat Pusa Tejas HI-8759		
Source of technology:	JNKVV, Jabalpur		
Characteristics of technology:	Green Soybean Protein-38% Dietary fiber-9.3g Glycine- 1.880g	Pusa Tejas Protein-12% Iron-42.1 ppm Zinc-42.8 ppm	
Name of Crop/Enterprises:	Soybean & Wheat		
Farming situation:	Irrigated		
Date of sowing:	-		
Date of harvesting:	-		
Recommendations for Farmers	-		

Recommendations for Deptt. Personnel	-
Feedback	-

(A) Economic Performance Home Science OFT: (For Nutritional security through Bio-fortified Crops)

Detail of Technology	Name of crop	Name of Bio-fortified variety of Crops	Production /unit area	Per capita Consumption gm/ day	Nutrient Intake (Unit)						Anthropometric measurements
					Protein (g)	Energy (Kcal)	Calcium (mg)	Iron (mg)	Increase in Weight (Kg)	Increase in Height (cm)	
T ₁ (Farmers Practices)	Soybean & Wheat	No use of bio fortified variety	-	-	-	-	-	-	-	-	-
T ₂ (Recommended Practices)	Soybean & Wheat	Green Soybean & P.Tejas	-	-	-	-	-	-	-	-	-
T ₃ (Recommended Practices)	-	-	-	-	-	-	-	-	-	-	-

(B) 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

(C) 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)	Avg. Cost of input (Rs/unit)	Avg. Gross Return (Rs/unit)	Avg. 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 value addition)

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

(E) 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 cm)
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

KVK Name	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
Burhanpur	2020	Khari f	HOF	Demonstration on Fertigation technology in Banana	Fruit	Banana	Tissue Culture	Irrigated	-	1000 plants	-	-	-	-	-	05	-	05
Burhanpur	2020	Khari f	HOF& HOV	Demonstration of nutritional kitchen garden	Vegetables & Fruits	Vegetables & Fruits	Hybrid	Irrigated	-	10	-	-	-	-	-	10	-	10
Burhanpur	2020	Rabi	HOV	Demonstration on herbicide for Weed management in Garlic	vegetables	Garlic	G-282	Irrigated	-	10	-	-	-	-	-	10	-	10

KVK Name	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
Burhanpur	2020	Rabi	HOF	Demonstration on skirting bag & Potassium sulphate against biotic & abiotic stress management for quality banana production.	Fruit			Irrigated	-	10	-	-	-	-	-	10	-	10
Burhanpur	2020	Khari f	CRP	Demonstration of diclosulam as pre emergence weedicide	Oilseed	Soybean	JS-335	Irrigated	-	02	-	-	-	-	-	10	-	10
Burhanpur	2020	Khari f	CRP	Demonstration of split nitrogen application	Cereal	Maize	Hybrid	Irrigated	-	02	-	-	-	-	-	10	-	10

KVK Name	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
Burhanpur	2020	Rabi	CRP	Demonstration of wheat variety	Cereal	Wheat	HI-1544	Irrigated	-	02	-	-	-	-	-	05	-	05
Burhanpur	2020	Rabi	CRP	Demonstration of ammonium molybdenum	Cereal	Gram	JG-14	Irrigated	-	02	-	-	-	-	-	05	-	05
Burhanpur	2020	Khari	PLP	Demonstration on Waste Decomposer for recycling of agricultural biodegradable waste	Fruit	Banana	Tissue Culture	Irrigated	-	-	-	-	-	-	-	40	-	40
Burhanpur	2020	Khari	PLP	Demonstration of insecticide for management of pod	Oilseed	Soybean	JS-335	Irrigated	-	02	-	-	-	-	08	-	-	08

KVK Name	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
				borer														
Burhanpur	2020	Khari f	PLP	Demonstration for management of Fusarium wilt disease	Pulse	Chick pea	RVG-202	Irrigated	-	04	-	-	-	-	-	10	-	10
Burhanpur	2020	Rabi	PLP	Demonstration on management of fruit fly	Fruit	Watermelon	Hybrid	Irrigated	-	04	-	-	-	-	-	10	-	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 on Fertigation technology in Banana	Banana	Yield (qt/ha)	-	-	-	-	-	-	-	-	-	-
Demonstration of nutritional kitchen garden	Vegetables & Fruits	Yield (qt/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 herbicide for Weed management in Garlic	Garlic	Yield (qt/ha)	-	-	-	-	-	-	-	-	-	-
Demonstraion on skirting bag & Potassium sulphate against biotic & abiotic stress managment for quality banana production.		Yield (qt/ha)	-	-	-	-	-	-	-	-	-	-
Demonstration of diclosulam as pre emergence weedicide	Soybean	Yield (qt/ha)	-	-	-	-	-	-	-	-	-	-
Demonstration of split nitrogen application	Maize	Yield (qt/ha)	-	-	-	-	-	-	-	-	-	-
Demonstration of wheat variety	Wheat	Yield (qt/ha)	-	-	-	-	-	-	-	-	-	-
Demonstration of ammonium molybdenum	Gram	Yield (qt/ha)	-	-	-	-	-	-	-	-	-	-
Demonstration on Waste Decomposer for recycling of agricultural biodegradable waste	Banana	Yield (qt/250mt ²)	-	-	-	-	-	-	-	-	-	-

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 insecticide for management of pod borer	Soybean	Yield (qt/ha)	-	-	-	-	-	-	-	-	-	-
Demonstration for management of Fusarium wilt disease	Chickpea	Yield (qt/ha)	-	-	-	-	-	-	-	-	-	-
Demonstration on management of fruit fly	Watermelon	Yield (qt/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) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
										FP (T ₁)	RP (T ₂)		S C	S T	Others	General	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.4 Economic Impact of Agriculture Engineering FLD

KVK Name	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)
Burhanpur	-	-	-	-	-	-	-	-	-	-	-	-	-

3.7 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				
										F P (T ₁)	R P (T ₂)		SC	ST	Others	General	Total
2020	Kharif	LP M	Demonstration use of Azolla as a source of protein in backyard poultry	Azolla	Azolla/poultry birds	Cost reduction technology in poultry	rainfed	-	10	-	-	-	-	10	-	-	10
2020	Kharif	LP M	Demonstration of vermicompost as secondary source of income generation	Vermis	Vermis	Eisenia fetida	Irrigated	-	07	-	-	-	-	-	07	-	07
2020	Rabi	LP M	Demonstration of green fodder feeding (berseem) on milk yield	Buffaloes	Buffaloes	-	Irrigated	-	07	-	-	-	-	-	07	-	07

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
2020	Rabi	LP M	Demonstration of Rhode Island Red as a backyard poultry breed	Poultry bird	Poultry bird	Satpuda Bird	Rainfed	-	10	-	-	-	-	10	-	-	10

3.6 Economic Impact of Animal Science FLD

KVK Name	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)
Burhanpur	Demonstration use of Azolla as a source of protein in backyard poultry	Azolla/poultry birds	BW/ bird (kg)	-	-	-	-	-	-	-	-	-	-

KVK Name	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)
Burhanpur	Demonstration of vermicompost as secondary source of income generation	Vermis	Yield/pit (kg)	-	-	-	-	-	-	-	-	-	-
Burhanpur	Demonstration of green fodder feeding (berseem) on milk yield	Buffaloes	Milk Yield (lit/cow/day)	-	-	-	-	-	-	-	-	-	-
Burhanpur	Demonstration of Rhode Island Red as a backyard poultry breed	Poultry bird	BW/ bird (kg)	-	-	-	-	-	-	-	-	-	-

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

KVK Name	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)
	-	-	-	-	-	-	-	-	-	-	-	-	-

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

KVK Name	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	Others	General	Total
Burhanpur	2020	Around the year	Nutrition	Demonstration of Nutritional Kitchen Garden	Vegetables & Fruits	Hybrid	10	-	-	-	-	10	-	-	10

KVK Name	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	Others	General	Total
Burhanpur	2020	Kharif	Income Generation	Demonstration of vermicompost as secondary source of income generation	Vermis	Eisenia andrei	14 kg	-	-	-	-	-	07	-	07
Burhanpur	2020	Rabi	Nutrition & Income Generation	Demonstration of Rhode Island Red as a backyard poultry breed	Poultry Birds	Rhode Island Red	300	-	-	-	-	10	-	-	10

Economic Performance Home Science FLD: (Drudgery Reduction)

KVK name	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
Burhanpur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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
Burhanpur	Demonstration of vermicompost as secondary source of income generation	-	-	-	-	-	-	-	-	-	-
Burhanpur	Demonstration of Rhode Island Red as a backyard poultry breed	-	-	-	-	-	-	-	-	-	-

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
Burhanpur	-	-	-	-	-	-	-	-	-	-	-	-	-

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 Nutritional Kitchen Garden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.10 Details of FLDs on Agriculture Extension to be implemented during 2018-19

Season & Year	Problem identified	Title	Thematic Area	Source of Technology (Year)	Detail of Technology Demonstrated	Area (ha)	FP (T ₁)	RP (T ₂)	Variety	No of Demonstration	No. of farmers				
											SC	ST	Others	General	Total
Around the year 2020-20	There is lack of transfer of technology through proper channel	Demonstration on different extension methods (KMAS & Whats App) in dissemination of agricultural technology	ICT & Social Media	JNKVV, Jabalpur	ICT (KMAS) & Social Media (Whats App)	--	No use of ICT & Social Media	Use of ICT & Social Media	ICT (KMAS) & Social Media (Whats App)	300	-	94	206	-	300

Impact of FLD

KVK Name	Name of parameter			Data on the parameter			Result	Feedback from the farmer				
	1	2	3	1	2	3						
Burhanpur	Performance Indicators	Freq. (No.)	Response									-
			High	%	Rank	Medium	%	Rank	Low	%	Rank	
	Knowledge level	300	-	-	-	-	-	-	-	-	-	
	Utilization Extent	300	-	-	-	-	-	-	-	-	-	
	Message Understanding	300	-	-	-	-	-	-	-	-	-	
	Dissemination Extent	300	-	-	-	-	-	-	-	-	-	
	Need & Time Based	300	-	-	-	-	-	-	-	-	-	
	Visibility & Clarity	300	-	-	-	-	-	-	-	-	-	
	Applicability	300	-	-	-	-	-	-	-	-	-	

3.11 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Burhanpur	Banana	Training Field Visit	04	100	-
Burhanpur	Nutrition Kitchen Garden	Training Field Visit	02	50	-
Burhanpur	Garlic	Training Field Visit	02	50	-
Burhanpur	Soybean	Training Field Visit	04	100	-
Burhanpur	Maize	Training Field Visit	02	50	-
Burhanpur	Wheat	Training Field Visit	02	50	-
Burhanpur	Chickpea	Training Field Visit	04	100	-
Burhanpur	Water Melon	Training Field Visit	02	50	-
Burhanpur	Azolla/poultry birds	Training Field Visit	02	50	-
Burhanpur	Vermis	Training Field Visit	02	50	-
Burhanpur	Buffaloes	Training Field Visit	02	50	-
Burhanpur	Poultry bird	Training Field Visit	02	50	-

3.12 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	Burhanpur	-	-	-	-	-

4. Feedback System

4.1. Feedback of the Farmers to KVK

Feedback			
Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Technology/ Variety tested by Krishi Vigyan Kendra through OFT and FLD as per the problem identified at farmer's field and recommended technology suiting to our requirement. Latest technology and variety. It is the platform for the farmers where they can get their solution as well advice.	- Interaction with farmers - Through Training and workshop - Through Group meeting and field days	As per farmers feedback OFT/ FLD of different latest proven technology is helpful to increase the production and productivity of the existing crop which in turn increasing the farm income per unit area.	As per the result obtained and discussion with the farmers it has come that farmers will adopt the technology demonstrated by the KVK.

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Burhanpur	OFTs on different thrust area conducted by KVK as per need of the district. Technologies undertaken in OFTs, well suited for the district and accelerated the production and productivity of the crop as well as other enterprises on experimental unit. There is no any refinement in conducted OFTs, technologies. Hence it is concluded that demonstrated OFTs technologies recommended for micro situation at the kvk end.

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
Burhanpur	-	-	-	-

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								Total
							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	16	17
F&FW	OFC	Crop Production	Production Management	Kharif Crop Production Management	01	01	-	-	-	-	-	-	-	-	25

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants								Total
		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	16	17
F&FW	OFC	Crop Production	Nutrition/ fertilizer Management	Kharif Crop Nutrition/ fertilizer Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Crop Production	Irrigation Management	Kharif Crop Irrigation Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Plant Protection	Disease Management	Kharif Crop Disease Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Plant Protection	Insect & Pest Management	Kharif Crop Insect & Pest Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Soil Health and Fertility Management	Organic farming	Organic farming	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Soil Health and Fertility Management	Soil Testing & Soil Health Card	Soil Testing & Soil Health Card	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Horticulture	Production Management	Horticulture Crop Production Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Plant Protection	Disease Management	Horticulture Crop Disease Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Plant Protection	Insect & Pest Management	Horticulture Crop Insect & Pest Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Horticulture	Nutrition/ fertilizer Management	Horticulture Crop Nutrition/ fertilizer Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Horticulture	Irrigation Management	Horticulture Crop Irrigation Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Crop Production	Production	Rabi Crop Production	01	01	-	-	-	-	-	-	-	-	25

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants								Total
		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	16	17
			Management	Management											
F&FW	ONC	Crop Production	Nutrition/ fertilizer Management	Rabi Crop Nutrition/ fertilizer Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Crop Production	Irrigation Management	Rabi Crop Irrigation Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Plant Protection	Disease Management	Rabi Crop Disease Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Plant Protection	Insect & Pest Management	Rabi Crop Insect & Pest Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Livestock Production and Management	Feeding Management	Mineral mixture supplementation on body weight gain in goat kid	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Livestock Production and Management	Feeding Management	Azolla as a source of protein in goats	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Livestock Production and Management	Feeding Management	Probiotics in daily ration of cow	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Livestock Production and Management	Feeding Management	Enhanced milk yield through calcium supplementation	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Livestock Production and Management	Deworming	Deworming in animal	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Soil Health and Fertility	Organic Farming	Production of bio control agents and bio pesticides	01	01	-	-	-	-	-	-	-	-	25

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants								Total
		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	16	17
		Management													
F&FW	OFC	Plant Protection	Weed Management	Weed Management of Kharif Crops	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Plant Protection	Weed Management	Weed Management of Rabi Crops	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Horticulture	Weed Management	Weed Management of Horticultural Crops	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Livestock Production and Management	Fodder management	Fodder management	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Livestock Production and Management	Production Management	Goatery Production Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Livestock Production and Management	Production Management	Dairy Production Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Livestock Production and Management	Production Management	Poultry Production Management	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Extension	Extension Methods	Different extension methods (KMAS & Whats App) in dissemination of agricultural technology	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Extension	Extension Methods	Role of different extension methods in dissemination of agricultural technology	01	01	-	-	-	-	-	-	-	-	25

Category (F &FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants								Total
		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	16	17
F&FW	OFC	Extension	Extension Methods	Role of different Social Media for dissemination of agricultural information	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Home Science/Women empowerment	Nutrition	Household food security by kitchen gardening and nutrition gardening	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Home Science/Women empowerment	Nutrition	Design and development of low/minimum cost diet	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Home Science/Women empowerment	Nutrition	Designing and development for high nutrient efficiency diet	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Home Science/Women empowerment	Nutrition	Minimization of nutrient loss in processing	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Home Science/Women empowerment	Nutrition	Storage loss minimization techniques	01	01	-	-	-	-	-	-	-	-	25
F&FW	ONC	Home Science/Women empowerment	Nutrition	Value addition	01	01	-	-	-	-	-	-	-	-	25
F&FW	OFC	Home Science/Women empowerment	Income Generation	Vermicompost	01	01	-	-	-	-	-	-	-	-	25

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

Category y (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	3	0	0	0	0	0	0	20	0
RY	ONC	Vermi culture	Vermicompost	1	3	0	0	0	0	0	0	20	0
RY	ONC	Poultry production	Poultry production	1	3	0	0	0	0	0	20	0	0
RY	ONC	Fodder Production	Fodder Production	1	3	0	0	0	0	20	0	0	0
RY	ONC	Goatery Production	Goatery Production	1	3	0	0	0	0	0	20	0	0

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 Course s	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	Nursery Management of Horticulture crops	Nursery Management of Horticulture crops	1	02	-	-	-	-	-	-	25	-
IS	ONC	Vermicompost	Vermicompost	1	02	-	-	-	-	-	-	25	-
IS	ONC	Poultry & Goatery production	Poultry & Goatery production	1	02	-	-	-	-	-	25	-	-
IS	ONC	Seed Production	Seed Production	1	02	-	-	-	-	-	-	25	-
IS	ONC	Household Food Security	Household Food Security	1	02	-	-	-	-	-	25	-	-

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	Vermicompost	Vermicompost	Vermicompost	-	-	30	-	-	-	-	-	-	20	-
Income generation activities	Dairy Farming	Dairy Farming	Dairy Farming	-	-	30	-	-	-	-	-	-	20	-

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	ONC/ OFC	Themati c area	Sub-theme	Training title	Durati on (days)	No. of cours es	No. of Participants								Sponsor ing Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			Institutional Charges & DA
							M	F	M	F	M	F	M	F		
F&FW	ONC	Livestock and fisheries	Livestock production and managemen t	Dairy Management	1	1	0	0	0	30	0	0	0	0	-	-
				Poultry production	1	1	0	0	0	0	0	0	0	30		
				Goatery Production	1	1	0	0	0	0	0	0	30	0		
				Azolla	1	1	30	0	0	0	0	0	0	0		
				Fodder Management	1	1	0	0	0	0	30	0	0	0		

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	
Burhanpur	-	-	-	-	-

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers and 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
Employment generation through poultry birds	1	25
Income generation through vermicompost	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
Storage loss minimization techniques	1	25
Value addition	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	8	200
Horticulture	8	200
Soil Health and Fertility Management	4	100
Livestock Production and Management	8	200
Extension	4	100
Plant Protection	8	200

Table 5.10 Evaluation/Follow up and 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 and 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 Participants	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 through advisories during lockdown situation	As per need	Approx 25000	-	-	-	-	-	-	-	-	-	-	-
Possible agricultural based intervention/enterprises for engagement of the migrant workers	05	Approx 150	-	-	-	-	-	-	-	-	-	-	-
- Employment generation through Value addition in dal making, banana, chilli, coriander & turmeric - Income generation through rearing of poultry & goaterly	05	Approx 150	-	-	-	-	-	-	-	-	-	-	-
Agro Advisory Bulletin	48	Approx 25000	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days	11	-	-	-	-	-	-	-	-	-	-	-	-
Diagnostic visits	As per need	-	-	-	-	-	-	-	-	-	-	-	-
Exhibition	05	-	-	-	-	-	-	-	-	-	-	-	-

Activity	No. of activities (Targeted)	No. of Participants	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
Exposure visits	02	-	-	-	-	-	-	-	-	-	-	-	-
Scientist Visit to Farm	As per need	-	-	-	-	-	-	-	-	-	-	-	-
Farmers visit to KVK	As per need	-	-	-	-	-	-	-	-	-	-	-	-
Field Day	12	Approx 300	-	-	-	-	-	-	-	-	-	-	-
Kisan Mela	01	-	-	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	As per need	-	-	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	As per need	100	-	-	-	-	-	-	-	-	-	-	-
Self Help Group conveners meetings	04	30	-	-	-	-	-	-	-	-	-	-	-
Film Show	As per need	-	-	-	-	-	-	-	-	-	-	-	-

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 (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.
Burhanpur	January to March 2020	Q1	500	500	
Burhanpur	April to June 2020	Q2	500	500	
Burhanpur	July to September 2020	Q3	500	500	

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.
Burhanpur	October to December 2020	Q4	500	500	

7.2 Literature developed/published

Type	Number of copies (please don't give mass please fill number only)
Abstract	10
Book	00
Book Chapter	02
Booklet	01
Leaflets/ Folder/ Pamphlet	04
Popular article	20
Technical Bulletin	01
Training Manual	02
Technical Report	04
Year Planner	25
Others (pl. specify)	00

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
Burhanpur	DVD	Skill development training programme	2

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.)
Burhanpur	Oilseed	Soybean	RVS 2001-4	50	200000	150	50
Burhanpur	Pulses	Pigeon Pea	Rajeshwari	05	90000	125	45
Burhanpur	Cereal	Wheat	Tejas/ DBW-110	30	135000	30	30

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.)
Burhanpur	Vegetables	Chilli	Hybrid	15000	15000	300	02
Burhanpur	Vegetables	Tomato	Hybrid	2000	2000	25	0.05
Burhanpur	Vegetables	Brinjal	Hybrid	2000	2000	25	0.05
Burhanpur	Fruit	Lemon		2000	40000	As per need	-
Burhanpur	Fruit	Jamun		2000	40000	As per need	-
Burhanpur	Fruit	Karonda		2000	40000	As per need	-
Burhanpur	Fruit	Jack fruit		2000	40000	As per need	-
Burhanpur	Fruit	Custard Apple		2000	40000	As per need	-
Burhanpur	Fruit	Mango		2000	40000	As per need	-

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

* Name of product should follow same pattern

KVK Name	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Value (Rs.)	Provided to no. of Farmers
Burhanpur	Organic compost	Decomposer	100	2000	100
Burhanpur	Bio Fertilizers	Azolla	50	10000	20
Burhanpur	Bio Agents	Earthworms	25	6250	25
Burhanpur	Bio Fertilizers	Vermicompost	100	500	10

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/nos)	Qty		
Dairy animals	Cow	Desi	Cow Urine	Liter	800	4000	20
Poultry	Poultry Bird	Kadaknath	Meat/ Adult Eggs	Nos	200	5000	50
				Nos	500	60000	50
		Desi	Chicks	Nos	2000	70000	80
Goatery	Goat	Osmanabadi	Buck	Nos	10	50000	10

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	Mini Soil Testing kit	Soil testing laboratory	By Department	By KVK		By Department			Through Mini Soil Testing kit	Through Soil testing laboratory
N	2	2	500	00	500	00	00	500	00	00	10	00	500	00

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)
Burhanpur	-	-	-	-	-

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

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)

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	
Burhanpur	-	-	-	-	-	-	-	-	-	-	-	-	-

12. Utilization of Farmers Hostel facilities : As per need

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 (furnishing required)

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Burhanpur	-	-	-	-	-

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*
Burhanpur	As per DES order	25	Progress report 2020
Burhanpur	As per DES order	25	Progress report 2020

*Attached separate file.

15. Footfall of farmers in KVKs (Jan. 2019 to Dec. 2019)

Name of KVK	Footfall during 2019			
	No. of Farmers	No. of officials	No. of VIPs	Total
Burhanpur	2000	150	12	2126 approx

*Separate JPEG Photographs (2-3 only)

16. Status of Kisan Mobile Advisory (KVK-KMA) (2019)

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	04	04	20244	272	250
		Integrated Farming	-	-	-	-	-
		Field Preparation	01	-	-	-	-
		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	02	-	-	-	-
		Bio-fertilizer	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
4	Disease and Pest Management	Disease Management	03	01	20244	272	250
		Pest Management	-	05	20244	272	250
		Preventive Advisory Disease 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
		Preventive Advisory Pest Management	-	-	-	-	-
		Bio-pesticides	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
5	Nutrition Security and Women Empowerment	Nutrition Awareness	-	-	-	-	-
		Kitchen garden	-	-	-	-	-
		Value Addition and Processing	-	-	-	-	-
		Drudgery Reduction	-	-	-	-	-
		Entrepreneurship and Income Generation	-	-	-	-	-
		Advisory	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
6	Horticulture	Vegetable	01	-	-	-	-
		Fruit	-	-	-	-	-
		Hi Tech Horticulture	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
7	Livestock	Feed and Fodder	02	-	-	-	-
		Dairy Management	04	-	-	-	-
		Fisheries	-	-	-	-	-
		Poultry Management	12	01	20244	272	250
		Vaccination and Disease management	-	-	-	-	-
		Any Other(Goatery)	04	-	-	-	-
8	Farm Mechanization	-	-	-	-	-	-
9	Extension	-	-	-	-	-	-
10	Organic Farming	-	02	-	-	-	-
11	Marketing	-	-	11	20244	272	250
12	Awareness	-	-	01	20244	272	250
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 and State sponsored) (2019)

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)
Agriculture Department	State	28000	Farm Field School	-	—
Agriculture Department	State	28000	Farm Field School	-	—
Agriculture Department	State	15000	MAPWA- Training	-	—
Agriculture Department	State	20000	MAPWA- Training	-	—
Agriculture Department	State	22500	MAPWA- Training	-	—
Agriculture Department	State	30000	MAPWA- Training	-	—
ATMA	State	10000	Capacity Building Training Programme	-	—
ATMA	State	29400	Farm School	-	—
ATMA	State	20000	Interface	-	—

18. Status of Contingency Utilization Jan-Dec-2019

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Burhanpur	900000	OFT	11	80792	-500000
		FLD (other than CFLD)	11	61106	
		Training	24	87600	
		Extension Activities	06	28179	
		SAC Meeting	01	5000	
		Special Programme (Samvidhan diwas, Jal Shakti Abhiyan, World Soil Health Day)	04	8000	
		Others (Swachhta)	12	6000	

19. Status of Revolving Funds (Rs.) (2019)

Account No.	Opening balance on 01.01.2019 (Rs.)	Closing balance 31.12.2019 (Rs.)	Name of major source of revolving fund
953220110000408	3542.00	50428.00	Trainings, Farm Output & Demo Unit

20. Awards and Recognitions (2019)

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/ National)	Awarding Organizations	Amount received
Burhanpur	Dr. Ajeet Singh Sr. Scientist & Head	Best poster award entitled Impact of mulching on water melon	National	Progressive Horticulture Conclave 2019 held at ICAR-IISR, Lucknow, UP. Dated December 8-10, 2019.	-

21. Details of Crop cafeteria in Agro-technological Park in your KVK. (2019)

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
5000	Oilseed	Soybean	RVS 2001-4 JS – 2034 JS – 2029	RVS 2001-4
1000	Pulse	Green Gram	Desi, Pusa Vishal, IPM 205-7, IPM 410-3	IPM 205-7 (Virat)
1000	Pulse	Black Gram	Desi, IPU 94-1, PDU-1	IPU – 94-1
1000	Pulse	Pigeon Pea (Short duration)	TJT-501, Rajeshwari, Rajeev Lochan	TJT – 501
5000	Cereal	Wheat	HI – 1544, DBW - 110, HI – 8759 (Tejas)	HI – 1544
500	Pulse	Chick pea	Jaki – 9218, RVG – 201, 202, JG – 14	Jaki – 9218
2500	Vegetable	Chilli, brinjal, tomato, lady finger	Hybrid	-

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	Burhanpur	-	-	-	-

*Attached separate File

23. KVK interaction with progressive farmers V

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Burhanpur	16.10.19 SAC	04
Burhanpur	22.10.19 Awareness programme on fertilizer use	50
Burhanpur	17.09.19 Vrihad Vriksha Ropan	40
Burhanpur	11.09.19 Webcast Programme	25

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
Burhanpur	02	272	02	02	20	250

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 demonst	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*
-	-	-	-	-	-	-

*Attached separate File

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	
Burhanpur	KVK, Khandwa	Participation in SAC meeting Telephonic Discussion RAWE Programme	00 05 06	01 03 04	Exchange of ideas & experiences
Burhanpur	KVK, Khargone	Guest Lecture Exposure Visit Telephonic Discussion	00 00 03	02 00 04	Exchange of ideas & experiences

27. Important visitors to KVK (2019)

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Burhanpur	Shri Tulsi Silawat Ji,	09.02.2019	-	-	Hon'ble Health Minister M.P. Govt.	Krishi Mela
Burhanpur	Shri Sachin Yadav Ji,	09.02.2019	-	-	Hon'ble Agriculture Minister M.P. Govt.	Krishi Mela
Burhanpur	Shri. Thakur Surendra Singh Ji,	09.02.2019	-	-	Hon,ble MLA Burhanpur	Krishi Mela
Burhanpur	Smt. Sumitradevi Kasdekar Ji,	09.02.2019	-	-	Hon'ble MLA Nepanagar	Krishi Mela
Burhanpur	Shri Kishore Rajaram Patil Ji,	09.02.2019	-	-	Hon'ble Janpad Adyaksh	Krishi Mela
Burhanpur	Shri. Gulchandsingh Burne Ji,	09.02.2019	-	-	Hon'ble Krishi Isthai Samiti Adyaksh	Krishi Mela
Burhanpur	Shri Umesh Kumar Ji,	09.02.2019	-	-	Hon,ble Collector Burhanpur	Krishi Mela
Burhanpur	Shri Ajay Singh Ji	09.02.2019	-	-	Hon,ble SP	Krishi Mela
Burhanpur	Dr.U.P.S.Bhadauriya	22.08.2019	-	I/C Dean Agri. College, Khandwa	-	RAWE Students Monitoring
Burhanpur	Dr. R.K Singh	09.02.2019	SMS Extension, KVK-Khargone	-	-	Krishi Mela
Burhanpur	Dr.S.K.Tyagi	09.02.2019	SMS Horticulture, KVK-Khargone	-	-	Krishi Mela
Burhanpur	Dr Akshay Jain	05.08.2019	-	Asst. Prof Horticulture	-	RAWE Students Monitoring
Burhanpur	Dr.Pranay Tiwari	05.08.2019	-	Asst. Prof Entamology	-	RAWE Students Monitoring
Burhanpur	Dr.M.K.Tiwari	29.06.2019	-	Asst. Prof Extension	-	RAWE Students

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 2019	No. of visitors during 2019
1	Burhanpur	-	-	-	-

29. Status of Mobile Apps developed by KVK

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

30. Status of RTI

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

31. Status of Citizen Charter

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

32. Participation in HRD Programmes organized by ATARI (2019)

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Burhanpur	Dr Ajeet Singh	Sr Scientist & Head	04	26th Zonal Workshop of KVKs - Workshop on use of ICT to promote nutrition sensitive agriculture - Workshop on use of ICT - Interface of NGO KVKs
Burhanpur	Kartikey Singh	SMS Plant Protection	01	TOT- Skill India Training
Burhanpur	Amol Deshmukh	SMS Veteinary Science	03	- Meeting-Outreach of Kadaknath - Workshop on Adoption Technology - TOT- Skill India Training
Burhanpur	Rahul Satarkar	Lab Technician	01	Innovative Farmer Meet
Burhanpur	Sandeep Rathod	Farm Manager	01	Bamboo –Value Addition

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Burhanpur	05	10

33. Participation in HRD Programmes organized by DES (2019)

Name of Staff	Post held	Programme attended (Nos)	Remarks
Dr Ajeet Singh	Sr Scientist & Head	02	- National Seminar on strategies for soil health mgnt, achievement & researchable issues. - Zero budget training
Sandeep Rathod	Farm Manager	01	Use of Mass Media & transfer of technology

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Burhanpur	02	03

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.) (2019)

Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Dr Ajeet Singh	Sr Scientist & Head	02	03 03	- National Seminar of ISEE - Progressive Horticulture Conclave
Amol Deshmukh	SMS Veteinary Science	02	05 03	- Fish production by biofloc - Educational tour IGfRI, Jhansi

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Burhanpur	02	04

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
Burhanpur	-	-	-	-

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS (2019)

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Burhanpur	Gosthies	-	-	-
Burhanpur	Lectures organized	-	-	-
Burhanpur	Exhibition	-	-	-
Burhanpur	Film show	-	-	-
Burhanpur	Fair	-	-	-

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Burhanpur	Farm/ Field Visit	-	-	-
Burhanpur	Diagnostic Practical's	-	-	-
Burhanpur	Distribution of Literature (No.)	-	-	-
Burhanpur	Distribution of Seed (q)	-	-	-
Burhanpur	Distribution of Planting materials (No.)	-	-	-
Burhanpur	Bio Product distribution (Kg)	-	-	-
Burhanpur	Distribution of Bio Fertilizers (q)	-	-	-
Burhanpur	Distribution of fingerlings	-	-	-
Burhanpur	Distribution of Livestock specimen (No.)	-	-	-
Burhanpur	Total number of farmers visited the technology week	-	-	-
Burhanpur	Animal health camp	-	-	-
Burhanpur	Awareness programme	-	-	-
Burhanpur	Demonstration	-	-	-
Burhanpur	Exposure visit	-	-	-
Burhanpur	Ex-trainees Meet	-	-	-
Burhanpur	Farmer scientist interaction	-	-	-
Burhanpur	Farmers Training	-	-	-
Burhanpur	Gajarghans Unmulan Pakhwada	06	120	Awareness & Eradication at KVK Campus, School & Villages
Burhanpur	Group Meeting	-	-	-
Burhanpur	Jai Kisan Jai Vigyan Sangoshthi	01	23	Awareness
Burhanpur	Plant Protection Week	05	150	Fruit Plants
Burhanpur	Seed treatment campaign	-	-	-
Burhanpur	Self Help Group convener meet	-	-	-
Burhanpur	Soil health Camp	01	50	Soil Health Day
Burhanpur	Swachha Bharat Abhiyan	30	800	Office premises, farm, demo unit, village, schools
Burhanpur	Others (Pl. Specify) Jal Shakti Abhiyan, Vigilance Week, Samvidhan diwas , Hindi Pakhwad	18	450	Office & Villages

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

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

Farmers-scientists interaction on livestock management

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

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Burhanpur	-	-	-

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qt)	Coverage of area (ha)s	Number of farmers
Burhanpur	-	-	-	-

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Burhanpur	-	-	-	-
Saplings				
Burhanpur	-	-	-	-

Bio-control Agents

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

Bio-Fertilizer

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

Worms Produced

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

Large scale adoption of resource conservation technologies

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

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
Burhanpur	-	-	-	-	-	-	-	-	-	-	-	-

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

Name of KVK	Block	Village
Burhanpur	Khaknar	Manjroth

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
Awareness	50	00	00	50

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Training	50	00	00	50

39. (a) Case study / Success Story– (best two only in the following format in separate file attached): Will be presented in APR 2020

Name of the KVK	Burhanpur
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	Burhanpur	1	1

4. KVK Hosangabad (Bankehdhi)

Summary of the activities

KVK Name	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	
Hoshangabad	OFTs	28	471	-	-	-
Hoshangabad	FLDs – Oilseeds (activity in ha)	-	-	-	-	-
Hoshangabad	FLDs – Pulses (activity in ha)	-	-	-	-	-
Hoshangabad	FLDs – Cotton (activity in ha)	-	-	-	-	-
Hoshangabad	FLDs – Other than Oilseed and pulse crops(activity in ha)	8	45	-	-	-
Hoshangabad	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	2	20	-	-	-
Hoshangabad	Training-Farmers and farm women	65	1300	-	-	-
Hoshangabad	Training-Rural youths	10	200	-	-	-
Hoshangabad	Training- Extension functionaries	10	150	-	-	-
Hoshangabad	Extension Activities	1183	-	-	-	-
Hoshangabad	Seed Production (Number of activity as seeds in quintal)	-	-	-	-	-
Hoshangabad	Planting material ((Number of activity as quantity of planting material in quintal)	-	-	-	-	-
Hoshangabad	Seedling Production (Number of activity as number of seedlings in numbers)	-	-	-	-	-
Hoshangabad	Sapling Production (Number of activity as number of sapling in numbers)	-	-	-	-	-
Hoshangabad	Other Bio- products (No. of quantity)	-	-	-	-	-
Hoshangabad	Live stock products	-	-	-	-	-
Hoshangabad	Activities of Soil and Water Testing Laboratory	-	-	-	-	-
Hoshangabad	Rainwater Harvesting System	-	-	-	-	-
Hoshangabad	Kisan Mobile Advisory (KVK-KMA)	-	-	-	-	-
Hoshangabad	SAC Meeting (Date & no. of core/ official members)	-	-	-	-	-
Hoshangabad	Literature to be Developed/Published	-	-	-	-	-

KVK Name	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	
Hoshangabad	Convergence programmes / Sponsored programmes	-	-	-	-	-
Hoshangabad	Utilization of Farmers Hostel	-	-	-	-	-
Hoshangabad	Utilization of Staff Quarters	-	-	-	-	-
Hoshangabad	Details of KVK Agro-technological Park	-	-	-	-	-
Hoshangabad	Crop Cafeteria-	-	-	-	-	-
Hoshangabad	Farm Innovators- list of 10 farm innovators from the District	-	-	-	-	-
Hoshangabad	Status of Revolving Funds	-	-	-	-	-
Hoshangabad	Awards and Recognitions	-	-	-	-	-
Hoshangabad	Case study / Success Story to be developed	-	-	-	-	-
Hoshangabad	KVK Progressive Farmers interaction	-	-	-	-	-
Hoshangabad	Outreach of KVK in the District (No. of blocks, no. of villages)	-	-	-	-	-
Hoshangabad	Technology Demonstration under Tribal Sub Plan	-	-	-	-	-
Hoshangabad	KVK Ring	-	-	-	-	-
Hoshangabad	Important visitors to KVK	-	-	-	-	-
Hoshangabad	Status of KVK Website	-	-	-	-	-
Hoshangabad	Status of RTI	-	-	-	-	-
Hoshangabad	E-connectivity	-	-	-	-	-
Hoshangabad	Details of Technology Week Celebrations	-	-	-	-	-
Hoshangabad	Interventions on Drought Mitigation	-	-	-	-	-
Hoshangabad	Sansad Adarsh Gram	-	-	-	-	-
Hoshangabad	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
Hoshangabad	16	1	0	6	6	4	4	5	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	VACANT							
SMS/ Scientist 1	Shri Brajesh Kumar Namdev	Plant Protection	M.Sc.	Agriculture Entomology	15600-39100+5400 Grade Pay		01.03.2018	Temporary
SMS/ Scientist 2	Dr. Sanjeev Kumar Garg	Agriculture Extension	P.h.D	Agriculture Extension	15600-39100+5400 Grade Pay		05.03.2018	Temporary
SMS/ Scientist 3	DrDevidas Patel	Plant Breeding	P.h.D	Plant Breeding and Genetics	15600-39100+5400 Grade Pay		05.03.2018	Temporary
SMS/ Scientist 4	ShriLavesh Kumar Chourasia	Horticulture	M.Sc.	Horticulture-Vegetable Science	15600-39100+5400 Grade Pay		09.03.2018	Temporary
SMS/ Scientist 5	Dr. AkanchhhaPandey	Home Science	P.h.D	Home Science	15600-39100+5400 Grade Pay		15.03.2018	Temporary
SMS/ Scientist 6	Dr. DiwakarVerma	Livestock Production and Management	Mvsc.	Livestock Production and Management	15600-39100+5400 Grade Pay		13.04.2018	Temporary
Programme Assistant	Dr. Praveen Solanki	Lab technician	P.h.D	Environmental Science	9300-34800+ Grade Pay 4200		13.03.2018	Temporary

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Farm Manager	ShriPankaj Sharma	Farm Manager	M.Sc	M.Sc. Agriculture	9300-34800+ Grade Pay 4200		09.03.2018	Temporary
Computer Programmer	Shri Rahul Majhi	Computer Programmer	BE Computer Science	B.E- IT	9300-34800+ Grade Pay 4200		05.03.2018	Temporary
Accountant / superintendent	ShriVikasMohrarir	Accountant	PG	MBA	9300-34800+ Grade Pay 4200		01.03.2018	Temporary
Stenographer	VACANT							
Driver	Shri Omkarsingh Rajput	Driver	Graduation	Driver	5200-20200+ Grade Pay 2000		03.08.2018	Temporary
Driver	VACANT							
Supporting staff, if any	Shri Jitendra Kumar Jain	Skill Support	Graduation		5200-20200+ Grade Pay 1800		15.03.2018	Temporary
Supporting staff, if any	Shri PiyushJha	Skill Support	Graduation		5200-20200+ Grade Pay 1800		05.08.2018	Temporary

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 Hoshangabad	Central Narmada Valley	7	424	12,40,975	810,644	402307	136223	2.38

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 Hoshangabad	Tindwada	2018-19	Bankhedi	5 kms	1162	132
KVK Hoshangabad	Kothri	2018-19	Bankhedi	16 kms	1030	48
KVK Hoshangabad	Chakar	2018-19	Pipariya	60 kms	290	141

KVK Hoshangabad	Jasarwani	2018-19	Bankhedi	16 kms	1105	273
KVK Hoshangabad	Chatter	2018-19	Bankhedi	16 kms	455	71

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
KVK Hoshangabad	Organic Farming
KVK Hoshangabad	Employment generation
KVK Hoshangabad	Resource base Livelihood
KVK Hoshangabad	Milch animal-based production system
KVK Hoshangabad	Nutritional security for farm women & children

1.5. PROBLEM IDENTIFIED by KVK

Problem identified	Methods of problem identification	Location Name of Village & Block
Backyard is not utilized for an economic activity by resource poor small and marginal farmwomen	Field visit, RRA, meeting with agriculture & allied department officers	Dahalwada, Junavanidhana, Tindwada
Low yield of Tomato due to incidence of Leaf Curl Virus and Early blight	Field visit, RRA, meeting with agriculture & allied department officers	Paliyapipariya, Malahnwada, Machera, Paraswada, khapa
Low economic return due to cultivation of old varieties of cabbage	Field visit, RRA, meeting with agriculture & allied department officers	Junehta ,anhai, vijanhai
During early stage of sugarcane growth (April to July) the interspace remains unutilized	Field visit, RRA, meeting with agriculture & allied department officers	Junehta ,anhai, vijanhai
Chilli crop grown on flat bed during kharif due to water logging and pest attack	Field visit, RRA, meeting with agriculture & allied department officers	Panbari, Raipur,
Farmers grow traditional horticultural crops	Field visit, RRA, meeting with agriculture & allied	Rohana, Tindwada, PaliyaPiparia,

Problem identified	Methods of problem identification	Location Name of Village & Block
	department officers	Chakar
Manually harvesting is more time taking and costly	Filed visit, RRA, meeting with agriculture & allied department officers	
Farmers grow long duration varieties	Filed visit, RRA, meeting with agriculture & allied department officers	
Maize is generally grown as Kharif crop	Filed visit, RRA, meeting with agriculture & allied department officers	
Women in villages are weak and appear malnourished	Filed visit, RRA, meeting with agriculture & allied department officers	Chakar, Matkuli
Minor millets are not grown in the district	Filed visit, RRA, meeting with agriculture & allied department officers	Chakar, Matkuli
Old crop varieties grown have poor nutritional value	Filed visit, RRA, meeting with agriculture & allied department officers	Chakar, Matkuli
Biofortified foods are not popular in the district	Filed visit, RRA, meeting with agriculture & allied department officers	Chakar, Matkuli
Residue management information do not reach farmers in time	Filed visit, RRA, meeting with agriculture & allied department officers	
Fertilizer application not on SHC based recommendation	Filed visit, RRA, meeting with agriculture & allied department officers	
Low yield of crop in Soybean- Chickpea / Rice- Chickpea- Greengram cropping system	Filed visit, RRA, meeting with agriculture & allied department officers	
Organic farming is not practices to less availability of inputs	Filed visit, RRA, meeting with agriculture & allied department officers	

Problem identified	Methods of problem identification	Location Name of Village & Block
New initiation of IFFCO Nano Fertilizers,	Filed visit, RRA, meeting with agriculture & allied department officers	
Imbalanced use of nutrients in Green gram	Filed visit, RRA, meeting with agriculture & allied department officers	
Imbalanced use of nutrientRepeated	Filed visit, RRA, meeting with agriculture & allied department officers	

On Farm Testing (OFT)

Thematic Areas for OFT/FLD

Thematic Areas for OFT/FLD	Parameters Name and unit
OFT/FLD on Crops	
Agro Forestry	Yield q/ha
Crop Diversification	insect population/plant
Integrated Crop Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod
Integrated Farming system	Rhizome wt/Plant(g)
Integrated Disease Management	Disease incidence (%)
Integrated Nutrient Management	No of effective tillers/hill
Integrated Weed Management	No of weeds/m ²
Varietal Evaluation	Plant Height(cm), No of pods/plant, No of Siliquae/plant, No. of Grain / pod, Fruit wt(g)
Integrated Pest Management	Insect Infestation (%), No. of Larvae or insect / meter row length
Integrated Plant Nutrient Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod Fruit Length(cm), Fruit wt(g), No of nodules/plant
Feed and Fodder Production	Fruit Length(cm) ,
Resource conservation Technology	Plant Height(cm),
Soil Fertility Management	No of Cobs/plant
	No of Larvae/m ²
	No of Panicles/m ²

Thematic Areas for OFT/FLD	Parameters Name and unit
	No of Tillers/hills
	No of Bulb weight(g)
	No of Grains/panical
	No. of tubers/plant
	Weight of Curd/head (g/plant)
	No. of Siliquae or Capsule /plant
	Seedling Germination (%)
OFT/FLD on Agriculture Engineering	
Farm Mechanization	Yield (q/ha)
Resource Conservation Technology	Field Capacity (ha/hr)
Post-Harvest Management	Cleaning efficiency %
Storage loss minimization Technology	Cleaning Capacity q/hr
Small Farm Implements	weed population per m2
	tillers/plant
	water inefficiency
	irrigation efficiency
OFT/FLD on Animal Science	
Animal Feed / Fodder Management	Milk yield (Lit/day/animal)
Animal Disease Management	Change in body weight(kg)
Animal Nutrition Management	Egg Production/bird/year
Livestock production & management	% decrease in Worm
Animal breed evaluation	Parasite control (%)
Poultry Production and management	Body weight at 6 month (kg/goat)
	Parasite infestation (%)
	Live weight (kg/bird) at 3 Month
	Growth Rate (90 days)
	Yield q/ha (Fodder)
	Mortality %
	Feed intake(%)
	Disease infestation(%)
OFT/FLD on Fisheries	

Thematic Areas for OFT/FLD	Parameters Name and unit
Fingerling Production in Seasonal Ponds	Yield (q/ha)
Composite Fish Farming	Yield (q/ha), ABW (kg)
Fish Nutrition	Survival Rate (%)
Fish-cum-Duck Farming	Disease incidence (%)
Fish Production & Management	
Fish Breeding	
Fish Seed Production	
Spawn to fry production	
Integrated Farming System	

1. Information about Horticulture OFT:

Title of on-farm trial:	Assessment of Coriander for leaves as intercrop in sugarcane (2 nd year)
Year/Season:	Jayad 2020
Farming situation:	irrigated
Problem diagnosis:	April to July interspace between rows of sugarcane remains unutilized
Thematic area:	Integrated Farming System
No of trials:	1
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Inter space between rows of sugarcane is unutilized
T2 –Recommended Practice-	Sowing of Coriander for green leaves in the second week of April. The moisture and shade will promote coriander growth for leaves for harvest in May July when the prices are Rs80/kg
T3- Recommended Practice-	-
Date of sowing:	April 2020
Date of harvesting:	July 2020
Source of technology:	IIHR Bangalore
Characteristics of technology:	ArkaIsha High Yielding Variety
Name of Crop/Enterprises:	Coriander

Title of on-farm trial:	Assessment of Coriander for leaves as intercrop in sugarcane (2 nd year)
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. Information about Horticulture OFT:

Title of on-farm trial:	Assessment of ridge & furrow method for Kharif chilli production
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	In Kharif season farmers grow chilly in flat bed so due to water logging conditions and pest attack Crop damaged
Thematic area:	Varietal Evaluation
No of trials:	1
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety and Flatbed transplanting
T2 –Recommended Practice-	Kashi Abha variety & ridge & furrow transplanting and using Yellow Sticky Trap, Blue Sticky Trap and Pheromone Trap for management of pest
T3- Recommended Practice-	-
Date of sowing:	June 2020
Date of harvesting:	October 2020
Source of technology:	IIVR Varanasi
Characteristics of technology:	Kashi Abha (VR 339) Tolerant to biotic (anthracnose, CLCV, thrips and mites) and abiotic stress (low and high

	temperature), yield 15 t/ha.
Name of Crop/Enterprises:	Chilly
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. Information about Horticulture OFT:

Title of on-farm trial:	Assessment of Broccoli among traditionally grown cole crop farmers in organic farming
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Farmers not aware about new High Value nutritional horticultural crops
Thematic area:	Crop Diversification
No of trials:	1
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
T1 – Farmers Practice-	Farmers grow only cauliflower and cabbage crop
T2 –Recommended Practice-	Broccoli crop in organic farming
T3- Recommended Practice-	-
Date of sowing:	November 2020
Date of harvesting:	March 2021
Source of technology:	ICAR CIAE Bhopal
Characteristics of technology:	High value & Nutritional rich crop
Name of Crop/Enterprises:	Broccoli

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. Information about Horticulture OFT:

Title of on-farm trial:	Assessment of Capsicum crop among traditionally chilly crop grown farmers
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Farmers not aware about new high value vegetable crops
Thematic area:	Crop Diversification
No of trials:	1
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
T1 – Farmers Practice-	Farmers grow only conventional chilly crop
T2 –Recommended Practice-	Capsicum crop introduce which is high value crop
T3- Recommended Practice-	-
Date of sowing:	November 2020
Date of harvesting:	March 2021
Source of technology:	ICAR CIAE Bhopal
Characteristics of technology:	High value crop
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)						

5. Information Crop Production OFT:

Title of on-farm trial:	Assessment of Improved variety MH-421 of Green gram
Year/Season:	Summer 2020
Farming situation:	irrigated
Problem diagnosis:	Low yield due to use of old variety
Thematic area:	CP
No of trials:	1
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
T1 – Farmers Practice-	Farmers practice (use of old varieties)
T2 –Recommended Practice-	MH-421 of Green gram (yield 14-15 q/ha)
T3- Recommended Practice-	-
Date of sowing:	March- April 2020
Date of harvesting:	May-June 2021
Source of technology:	-
Characteristics of technology:	Early maturity, more number of pods per plant, high yield
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	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)						

6. Information about Crop ProductionOFT:

Title of on-farm trial:	Assessment of short duration rice variety JR-81 for timely sowing of Wheat (2 nd year)
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Farmers grow long duration varieties
Thematic area:	Varietal Evaluation
No of trials:	1
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers grow long duration varieties
T2 –Recommended Practice-	Improved Variety JR-81
T3- Recommended Practice-	-
Date of sowing:	June-July 2020
Date of harvesting:	Nov.-Dec. 2022
Source of technology:	JNKVV Jabalpur
Characteristics of technology:	Suitable for irrigated condition, long slender grains, Maturity 120-125 days, yield 55-60 qt/ha.
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)						

7. Information about Crop Production OFT:

Title of on-farm trial:	Assessment of high yielding improved variety DBW 187 of wheat under Irrigated condition
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to use of old variety
Thematic area:	Varietal Evaluation
No of trials:	1
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of old varieties
T2 –Recommended Practice-	high yielding improved variety DBW 187 of wheat
T3- Recommended Practice-	-
Date of sowing:	Nov. 2020
Date of harvesting:	March-April 2021
Source of technology:	IIWBR Karnal
Characteristics of technology:	Resistance to Yellow rust, Yield 60-65qt/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)						

8. Information about Crop ProductionOFT:

Title of on-farm trial:	Assessment of improved variety RVG 204 of Chickpea under Irrigated condition
Year/Season:	Rabi 2020
Farming situation:	irrigated
Problem diagnosis:	Manually harvesting is more costly than the mechanical harvesting
Thematic area:	Varietal Evaluation
No of trials:	1
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of old varieties
T2 –Recommended Practice-	Improved variety RVG 204 of Chickpea
T3- Recommended Practice-	-
Date of sowing:	October-Nev. 2020
Date of harvesting:	March-April 2021
Source of technology:	RVSKVV Gwalior
Characteristics of technology:	Bold Seeded, Resistance to wilt and tolerance to pod borer, Suitable for mechanical harvesting, yield 22-25qt/ha.
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)						

09 Information about Home Science OFT:

Title of on-farm trial:	Assessment of Chapti prepared with Kutki millets flour mixed drum stick for improvement of hemoglobin level in adolescent girls
Year/Season:	Kharif
Problem diagnosis:	a) Anemia in adolescent girls b) No awareness to have drum stick leaf a) Lack of knowledge in processing of kutki millets flour
Thematic area:	Nutritional security
No of trials:	1
No. of farmers/farm women involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment: daily intake of 100gm kutki /per day/ 90 days	
T1 – Farmers Practice-	Wheat flour/rice
T2 –Recommended Practice-	100gm Kutki /day + 25gm drum stick leaf/day
Source of technology:	IIMR HYDERABAD
Characteristics of technology:	Kutki millets is especially rich in iron and is also an excellent source of carotene and Zinc. Drum stick leaf is especially rich in vitamin c and iron.
Name of Crop/Enterprises:	Drum stick leaf + Kutki millets flour
Farming situation:	Rainfed
Date of sowing:	-
Date of harvesting:	-
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)						

10 Information about Home Science OFT:

Title of on-farm trial:	Assessment of variety JK-39 Kutki millet production
Year/Season:	Kharif 2020
Problem diagnosis:	No production of miner millets
Thematic area:	WOE
No of trials:	1
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-	JK-39 Kutki
Source of technology:	JNKVV Jabalpur
Characteristics of technology:	Kutki millet is particularly high in the sulfur-containing amino acids cysteine and methionine and overall has a more balanced amino acid profile than other cereals. Kutki is especially rich in iron.
Name of Crop/Enterprises:	kutki millets flour
Farming situation:	Irrigated
Date of sowing:	June 2020
Date of harvesting:	September 2020
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)						

11 Information about Home Science OFT:

Title of on-farm trial:	Assessment of wheat of variety Bio-fortified HI-8777.
Year/Season:	Rabi 2020
Problem diagnosis:	Lack of knowledge about biofortified Variety
Thematic area:	WOE
No of trials:	1
No. of farmers/farm women involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment	
T1 – Farmers Practice-	322wheat, lok-1
T2 –Recommended Practice-	HI 8777
Source of technology:	IARI regional centre Indore
Characteristics of technology:	Hi 8777 gave average grain yield of 18.5q/ha and had yield potential of 28.8q/ha in trials conducted. this variety poses resistance to leaf rust disease .
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	-

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)						

12 Information about Home Science OFT:

Title of on-farm trial:	Assessment of Wheat of variety 8663-biofortified
Year/Season:	Rabi 2020
Problem diagnosis:	Lack of knowledge about biofortified Variety
Thematic area:	WOE
No of trials:	1
No. of farmers/farm women involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	322wheat, lok-1
T2 –Recommended Practice-	8663wheat
Source of technology:	IARI Regional Station Indore
Characteristics of technology:	High Beta-Carotene high protein, iron, zinc
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	-

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)						

13. Information about EXT. OFT:

Title of on-farm trial:	Assessment of knowledge & adoption of soil health card-based fertilizer application (Second year)
Year/Season:	2020
Farming situation:	Irrigated
Problem diagnosis:	Poor knowledge about SHC based fertilizers recommendation
Thematic area:	Extension/ICT
No of trials:	1
No. of farmers involved	140
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers are not using fertilizers as per SHC recommendation
T2 –Recommended Practice-	Knowledge and adoption of farmers toward soil health card practices.
T3- Recommended Practice-	-
Date of sowing:	April 2020
Date of harvesting:	August 2020
Source of technology:	JNKVV-2015
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)						

14. Information about EXT. OFT:

Title of on-farm trial:	Assessment of effectiveness social media 'Whats-app' for dissemination of agricultural technologies (Third year)
Year/Season:	Kharif 2020
Farming situation:	irrigated
Problem diagnosis:	Delayed dissemination of agricultural technologies among farmers about residue management
Thematic area:	Extension/ICT
No of trials:	1
No. of farmers involved	70
Type of OFT (Assessment/ Refinement):	Refinement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Dissemination of agricultural technologies without WhatsApp group messages
T2 –Recommended Practice-	Dissemination of agricultural technologies by using WhatsApp group messages
T3- Recommended Practice-	Dissemination of agricultural technologies by using WhatsApp group messages send onlyAdministration
Date of implementation:	June 2020
Date of harvesting:	May 2021
Source of technology:	IARI 2015
Name of Crop/Enterprises:	Paddy and 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)						

15. Information about EXT. OFT:

Title of on-farm trial:	Assessment of impact of KMA and whatsapp for Cluster Demo. group of farmers of Soybean-chickpea/ rice-chickpea-green gram cropping system (Second year)
Year/Season:	2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield of crop due to no timely technical information in Soybean- Chickpea / Rice- Chickpea- Green gram cropping system
Thematic area:	Extension/ICT
No of trials:	1
No. of farmers involved	70
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers practice (No timely technical information)
T2 –Recommended Practice-	Weekly two crop related technical information message.
T3- Recommended Practice-	-
Date of sowing:	June 2020
Date of harvesting:	June 2021
Source of technology:	
Name of Crop/Enterprises:	Soybean, Paddy, Chickpea, Green 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)						

16. Information about EXT. OFT:

Title of on-farm trial:	Assessment of knowledge & adoption behavior of organic farming
Year/Season:	2020
Farming situation:	Irrigated
Problem diagnosis:	low knowledge about organic farming
Thematic area:	Extension/ICT
No of trials:	1
No. of farmers involved	70
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers are not using organic farming
T2 –Recommended Practice-	Knowledge and adoption of farmers toward organic farming practices.
T3- Recommended Practice-	-
Date of sowing:	Oct 2020
Date of harvesting:	May 2021
Source 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)						

17. Information about LPM OFT:

Title of on-farm trial:	Assessment of production and feeding of hydroponics fodder of maize for dairy animals
Year/Season:	2020 -21, Jayad
Farming situation:	Irrigated
Problem diagnosis:	Low milk production due to unavailability of green fodder
Thematic area:	LPM
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
T1 – Farmers Practice-	Farmer Practices (no use of green fodder only uses of straw)
T2 –Recommended Practice-	Hydroponics maize fodder @ 15 kg/day/animal for 4 months
T3- Recommended Practice-	
Date of sowing:	March 2020
Date of harvesting:	June 2020
Source of technology:	NDRI, Karnal
Characteristics of technology:	In lean period , scarcity of fodder occurs that condition Hydroponics fodder is very useful to maintain milk yield
Name of Crop/Enterprises:	Dairy
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)						

18. Information about LPM OFT:

Title of on-farm trial:	Assessment of electrolytes to manage heat stress in Poultry.
Year/Season:	2020 -21, Jayad
Farming situation:	Irrigated
Problem diagnosis:	Low body weight & less egg production due to heat stress in poultry
Thematic area:	Poultry Production & Management
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-	Only watering to poultry
T2 –Recommended Practice-	Electrolytes @0.5g/liter water
T3- Recommended Practice-	
Date of sowing:	April, 2020
Date of harvesting:	July, 2020
Source of technology:	IVRI, Izatnagar
Characteristics of technology:	Electrolytes reduce heat stress & increase feed intake, B.W. gain & egg production
Name of Crop/Enterprises:	Poultry 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)						
T3(Recommended Practice)						

19. Information about LPM OFT:

Title of on-farm trial:	Assessment of chelated mineral mixture supplementation in daily ration for timely heat, increases milk yield and improve health status
Year/Season:	2020-21, kharif
Farming situation:	Irrigated
Problem diagnosis:	Extended postpartum anoestrous, low milk yield & poor health status is a common problem in dairy animals
Thematic area:	LPM
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Refinement (TIME PERIOD EXTENDED FROM 60 Dys to 120 days) (3rd year)
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmer Practices (Farmer do not supplement mineral mixture in Animals feed)
T2 –Recommended Practice-	Daily feed supplement with chelated Mineral mixture @ 50 g/day & vitamin for 120 days
T3- Recommended Practice-	
Date of sowing:	August 2020
Date of harvesting:	September 2021
Source of technology:	NDRI, Karnal
Characteristics of technology:	Reduce Anestrous, increases milk yield & improve health after supplementation of mineral mixture
Name of Crop/Enterprises:	Dairy
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)						

20. Information about LPM OFT:

Title of on-farm trial:	Assessment of Round the year green fodder production and use of cow dung as Vermicompost
Year/Season:	2020 -21 Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low return from milch animals
Thematic area:	Animal Feed and Fodder Management
No of trials:	01
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
T1 – Farmers Practice-	Farmers Practice (Use of green fodder up to 8 month)
T2 –Recommended Practice-	Round the year green fodder production + Vermi compost
T3- Recommended Practice-	
Date of sowing:	July, 2020
Date of harvesting:	August, 2021
Source of technology:	IGFRI, Jhansi
Characteristics of technology:	Increase milk yield & decrease cost of cow rearing, enhance income.
Name of Crop/Enterprises:	Dairy
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)						

21. Information about SFM OFT:

Title of on-farm trial:	Assessment of soil test based nutrient management in Green gram
Year/Season:	Summer 2020
Farming situation:	Irrigated
Problem diagnosis:	Imbalanced use of nutrients in Green gram
Thematic area:	Integrated Nutrient Management
No of trials:	1
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
T1 – Farmers Practice-	Imbalanced use of nutrients in Green gram
T2 –Recommended Practice-	Application of nutrients based on soil test report
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IISS, Bhopal
Characteristics of technology:	Soil test based application of nutrients increases yield of Green gram
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	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)						

22. Information about SFM OFT:

Title of on-farm trial:	Assessment of biofertilizer on yield of Rice
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Imbalance of fertilizer increase the input cost and reduce the soil health
Thematic area:	Integrated Farming system
No of trials:	1
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers are unaware about Azola application in Rice
T2 –Recommended Practice-	Application of Azola@ 50 kg/ha
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IISS, Bhopal
Characteristics of technology:	Application of Azola to improve yield of Rice and also improve quality of yield
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)						

23. Information about SFM OFT:

Title of on-farm trial:	Assessment of soil test based nutrient management in Pigeon pea
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Imbalanced use of fertilizers
Thematic area:	Integrated Nutrient Management
No of trials:	1
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
T1 – Farmers Practice-	Imbalanced use of fertilizers
T2 –Recommended Practice-	Soil test-based application of fertilizers
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IISS, Bhopal
Characteristics of technology:	-
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)						
T2(Recommended Practice)						
T3(Recommended Practice)						

24 Information about SFM OFT:

Title of on-farm trial:	Assessment of Ghanjiwamrit application on yield of Chickpea
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Farmers are unaware about organic farming
Thematic area:	Integrated Farming system
No of trials:	1
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers are unaware about organic farming
T2 –Recommended Practice-	Application of Ghanjiwamrit@ 200 kg/ha
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IISS, Bhopal
Characteristics of technology:	Application of Ghanjiwamritimprove yield of Chickpea and also improve quality of yield
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)						

25 Information about Plant Protection OFT:

Title of on-farm trial:	Assessment of Technology For management of YMV in Greengram
Year/Season:	2020 Summer
Farming situation:	Irrigated
Problem diagnosis:	Heavy incidence of Whitfly causing YMV and indiscriminate use of Insecticide
Thematic area:	IPM
No of trials:	7
No. of farmers involved	7
Type of OFT	Assessment (2 nd year)
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	sowing without seed treatment
T2 –Recommended Practice-	Seed treatment (Thiomethaxam 4 g/kg + Yellow sticky trap (10 trap/acre)
T3- Recommended Practice-	Seed treatment (Thiomethaxam 4 g/kg + Yellow sticky trap (10 trap/acre) and need based spray of insecticide
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV 2015
Characteristics of technology:	Seed treatment are very effective for sucking insect pest management and Yellow sticky trap are eco-friendly tool for whitefly management that reduce the application of insecticide.
Name of Crop/Enterprises:	Greengram
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)	-	-	-	-	-	-

26 Information about Plant Protection OFT:

Title of on-farm trial:	Assessment of Bio-agents module for the management of wilt disease in chickpea
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Low plant population due severe incidence of wilt reduces the yield of Chickpea
Thematic area:	IPM
No of trials:	01
No. of farmers involved	07
Type of OFT	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers practice (No seed treatment)
T2 –Recommended Practice-	Soil application of FYM enriched T. viride (@5 kg/q FYM) before last ploughing followed by sowing of seed treated chickpea with T viride @10g/kg
T3- Recommended Practice-	Seed treatment with Trichoderma viride@10g/kg and Pseudomonas@ 5ml/kg seed
Date of sowing:	Nov. 2020
Date of harvesting:	March 2021
Source of technology:	JNKVV 2015
Characteristics of technology:	Environment friendly, low cost and effective
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	q/ha				
T2(Recommended Practice)	Yield	q/ha				
T3(Recommended Practice)						

27 Information about Plant Protection OFT:

Title of on-farm trial:	Assessment of bio-agents for management of Invasive pest <i>Tutaabsoluta</i> in tomato
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Heavy infestation of <i>Tutaabsoluta</i> reduce 80-90% yield and fruit quality
Thematic area:	IPM
No of trials:	1
No. of farmers involved	5
Type of OFT	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmer practice (indiscriminate use of Insecticide)
T2 –Recommended Practice-	Application of <i>Metarhiziumanisopliae</i> @1000ml/ha.
T3- Recommended Practice-	Application of Spinosad 0.25 ml/l and Flubendiamide @ 0.20 m/l
Date of sowing:	November 2020
Date of harvesting:	February to April 2021
Source of technology:	IIHR
Characteristics of technology:	Effective and reduce heavy infestation of <i>Tutaabsoluta</i>
Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	Farmer practice (indiscriminate use of Insecticide)
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)						

28 Information about Plant Protection OFT:

Title of on-farm trial:	Assessment of insecticide Spinetoram 12 SC against Invasive pest <i>Tuta absoluta</i> on its incidence based on pheromone trap catches
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Heavy infestation of <i>Tuta absoluta</i> reduce 80-90% yield and quality of fruits
Thematic area:	IPM
No of trials:	1
No. of farmers involved	5
Type of OFT	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	indiscriminate use of insecticides
T2 –Recommended Practice-	Installation of Pheromone traps @ 40/ha. for monitoring and mass trapping and application of Spinetoram 12 SC @ 1.25ml/Lafer adult catches in pheromone trap
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	NBAIR, IHR* (*in polyhouse condition)
Characteristics of technology:	Eco-friendly and effective and reduce heavy infestation of <i>Tuta absoluta</i>
Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	indiscriminate use of insecticides
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)						

(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)

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

KVK Name	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)		S C	S T	Others	General	Total
Hoshangabad	2020	Khari f	Varietal Evaluation	Seed & IPM material	Vegetables	Bitte rgourd, Spon ge Gour d, Bottl e Gour d	Kashi Urvas hi Kashi Divya Kashi Ganga	irrigated	planned	1 ha								

KVK Name	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
Hosh ngabad	2020	Rabi	Varietal Evaluation	Seed & IPM material	Vegetables	Tomato	Kashi Aman	irrigated	planned	1 ha								
Hosh ngabad	2020	Rabi	Varietal Evaluation	Seed & IPM material	Vegetables	Cabbage	Pusa Mukta	irrigated	planned	1 ha								
Hosh ngabad	2020	Rabi	Varietal Evaluation	Seed & IPM material	Cereal	Wheat	JW 3288	irrigated	planned	1 ha								
Hosh ngabad	2020	Khari f	LPM	IVERMECTIN	Medicine			irrigated	planned	1 ha								
Hosh ngabad	2020	Rabi	LPM	AZOLLA	Fodder			irrigated	planned	1 ha								
Hosh ngabad	2020	Khari f	Integrated Nutrient Management	Zinc Sulphat	Cereals	Paddy	Pusa Kranti	Irrigated	planned	1 ha								

KVK Name	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
Hoshangabad	2020	Khari f	Integrated Nutrient Management	Ammonium sulphat	Cereals	Paddy	Pusa Kranti	Irrigated	planned	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

KVK Name	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)

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

KVK Name	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

3.6 Economic Impact of Animal Science FLD

KVK Name	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)
Hoshangabad													
Hoshangabad													

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

KVK Name	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
Hoshangabad																		

3.8 Economic Impact of fishery FLD

KVK Name	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)
Hoshangabad													
Hoshangabad													

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	Others	General	Total
2020	Year Round	Nutritional security	Demonstration on establishment of Backyard Kitchen Garden	seasonal Vegetables	Kitchen garden	10								
2020	Rabi	Income generation	Demonstration on backyard poultry farming	Kadakhnath chicks	Backyard poultry	10								
2020	Rabi	Nutritional security	Demonstration on finger millet for lactating women	Finger millet		10								

Economic Performance Home Science FLD: (Drudgery Reduction)

KVK name	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
Hoshangabad															

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

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
Hoshangabad											

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
Hoshangabad													

Economic Performance Home Science FLD: (For Nutritional security)

KVK name	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	T2	T1	T2	T1	T2	T1	T2	
Hoshangabad																					

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Hoshangabad					

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						

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
Hoshangabad	

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
Hoshangabad				

5. TRAINING PROGRAMMES

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

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
			Crop Production	Weed Management		2	1								
			Crop Production	Resource Conservation Technologies											
			Crop Production	Cropping Systems		1	1								
			Crop Production	Crop Diversification		1	1								
			Crop Production	Integrated Farming		1	1								
			Crop Production	Micro irrigation/irrigation											
			Crop Production	Seed production		2	1								
			Crop Production	Nursery management											
			Crop Production	Integrated Crop Management		1	1								

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
			Crop Production	Soil & water conservation											
			Crop Production	Integrated nutrient Management											
			Crop Production	Production of organic inputs											
			Crop Production	Others(Pl. Specify)											
		OFC	Horticulture (Vegetable Crops)	Production of low volume and high value crops	Production of low volume and high value crops	1	1								
		OFC	Horticulture (Vegetable Crops)	Off season vegetables	Off season vegetables	1	1								
		OFC	Horticulture (Vegetable Crops)	Nursery raising	Nursery raising	1	1								
		OFC	Horticulture (Vegetable Crops)	Exotic vegetables	Exotic vegetables	1	1								
			Horticulture (Vegetable Crops)	Export potential vegetables											
			Horticulture (Vegetable Crops)	Grading and standardization											
		OFC	Horticulture (Vegetable Crops)	Protective cultivation	Protective cultivation	1	1								
			Horticulture (Vegetable	Others(Pl. Specify)	Micro irrigation	1	1								

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
			Crops)												
					Organic Farming	1	1								
			Horticulture (Fruits)	Training and Pruning											
			Horticulture (Fruits)	Layout and Management of Orchards											
			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											

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	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)	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											
			Horticulture(Tuber crops)	Others (Pl. Specify)											
			Horticulture(Spices)	Production and Management technology											
			Horticulture(Spices)	Processing and value addition											
			Horticulture(Spices)	Others (Pl. Specify)											

Name of KVK	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(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											
		OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Training on Integrated Nutrient Management	1	1								
			Soil Health and Fertility Management	Production and use of organic inputs		1	1								
			Soil Health and Fertility Management	Management of Problematic soils											
			Soil Health and Fertility Management	Micro nutrient deficiency in crops		1	1								

Name of KVK	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
		OFC	Soil Health and Fertility Management	Nutrient Use Efficiency	Training on Nutrient Use Efficiency	1	1								
		OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Training on Balance Use of fertilizer	1	1								
			Soil Health and Fertility Management	Soil & water testing											
		OFC	Soil Health and Fertility Management	Organic Farming	Training on Organic Farming	1	1								
		OFC	Soil Health and Fertility Management	Others (Pl. Specify)	Training on use of Liquid Biofertilizers	1	1								
		ONC	Livestock Production and Management	Dairy Management	Breeding Management of dairy Animals	01	01								
		OFC	Livestock Production and Management	Poultry Management	Training programme on Kadaknath poultry farming	01	01								
			Livestock Production and Management	Piggery Management											
			Livestock Production and Management	Rabbit Management											

Name of KVK	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
		OFC	Livestock Production and Management	Animal Nutrition Management	Feeding Management in Animals	01	01								
		ONC	Livestock Production and Management	Disease Management	Mastitis Management in Animals	01	01								
		OFC	Livestock Production and Management	Feed & fodder technologies	Round the year green production	1	1								
		OFC	Livestock Production and Management	Feed & fodder technologies	Azolla production	1	1								
		ONC	Livestock Production and Management	Production of quality animal products	Training on Production of quality animal products	01	01								
		ONC	Livestock Production and Management	Others (Pl. Specify)	Clean Milk Production,	1	1								
		ONC	Livestock Production and Management	Others (Pl. Specify)	Goat farming	1	1								
		OFC	Livestock Production and Management	Others (Pl. Specify)	Parasite management	1	1								

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
			Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Household food security by kitchen gardening and nutrition gardening	1	1								
			Home Science/Women empowerment	Design and development of low/minimum cost diet	Design and development of low/minimum cost diet [local available grain]	1	1								
			Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Designing and development for high nutrient efficiency diet	1	1								
			Home Science/Women empowerment	Minimization of nutrient loss in processing	Minimization of nutrient loss in vegetables processing	1	1								
			Home Science/Women empowerment	Processing & cooking	Training on value addition of finger millet porridge product	1	1								
					Training on preparation of miner millet	1	1								

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
					products										
			Home Science/Women empowerment	Gender mainstreaming through SHGs	Gender mainstreaming through SHGs	1	1								
			Home Science/Women empowerment	Storage loss minimization techniques	Safe grain storage	1	1								
			Home Science/Women empowerment	Value addition	Training on preparation mango product	1	1								
			Home Science/Women empowerment	Women empowerment	Drudgery reduction in okra	1	1								
			Home Science/Women empowerment	Location specific drudgery reduction technologies	Importance of green vegetable in daily diet	1	1								
			Home Science/Women empowerment	Rural Crafts	Training on rural craft like bamboo material preparation	1	1								
			Home Science/Women empowerment	Women and child care	Low cost balance diet for infants	1	1								

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
			Home Science/Women empowerment	Others (Pl. Specify)	Training on mushroom production	1	1								
					Training on micro nutrient importance in diet	1	1								
			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											

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
			Agril. Engineering	Others (Pl. Specify)											
			Plant Protection	Integrated Pest Management	Integrated Pest management in Greengram	1	1								
			Plant Protection	Integrated Pest Management	Integrated Pest Management in Rice	1	1								
			Plant Protection	Integrated Pest Management	Integrated Pest Management in Pigeon pea	1	1								
			Plant Protection	Integrated Pest Management	Integrated Pest Management In Chickpea	1	1								
			Plant Protection	Integrated Pest Management	Management of Invasive Pest <i>Tuta absoluta</i>	2	1								
			Plant Protection	Integrated Disease Management	Integrated Disease management in Rice	1	1								

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	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	Biocontrol of pests and diseases	Management of wilt disease in Chickpea by using beneficial microbes	1	1								
			Plant Protection	Production of bio control agents and bio pesticides											
			Plant Protection	Others (Pl. Specify)	Training on preparation and using of low cost yellow sticky trap, and Pheromone traps	1	1								
			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											

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
			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											
		ON	Production of Input at site	Bio0agents production	Training on Different bio agent production	1	1								
			Production of Input at site	Bio0pesticides production											
			Production of Input at site	Bio0fertilizer production											
			Production of Input at site	Vermi0compost production											

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
			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		1	1								
			Capacity Building and	Group dynamics		1	1								

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	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												
			Capacity Building and Group Dynamics	Formation and Management of SHGs		2	1								
			Capacity Building and Group Dynamics	Mobilization of social capital		1	1								
		ON	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths	Entrepreneurial development for organic farming	1	1								
			Capacity Building and Group Dynamics	WTO and IPR issues											
		OF	Capacity Building and Group Dynamics	Others (Pl. Specify)	Others (Pl. Specify) Organic farming in Kharif Crops	1	1								
		OF			Organic farming in Rabi Crops	1	1								
			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

Name of KVK	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
1	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	ONC	Protected cultivation of vegetable crops	Protected cultivation of vegetable crops	1	1								
	RY		Commercial fruit production											
	RY		Integrated farming											
	RY		Seed production	Seed production wheat crop	1	1								
	RY		Production of organic inputs											
	RY		Planting material production											
	RY		Vermi culture											
	RY		Mushroom Production	Mushroom	1	10								
	RY		Bee keeping											
	RY		Sericulture											
	RY		Repair and maintenance of farm machinery and											

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
			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	OFC	Poultry production	Kadaknath poultry farming	01	01								
	RY		Ornamental fisheries											
	RY		Composite fish culture											

Name of KVK	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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	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)	Training Programme on basic computer Skill development for rural youth	1	1								

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

Name of KVK	Category (IS)	Training Type (ONC/OF C)	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
	IS		Productivity enhancement in											

Name of KVK	Category (IS)	Training Type (ONC/OF C)	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
			field crops											
	IS	ONC	Integrated Pest Management	Management of Invasive Pest Fall Army Worm and Tomato Pin worm/American Leaf minor	1	1								
	IS	ONC	Integrated Pest Management	Training on eco-friendly tools for management of Insect Pest for Organic Agriculture	1	1								
	IS	ONC	Integrated Pest Management	Management of Non-Insect Pest in agriculture	1	1								
	IS		Integrated Nutrient management	1	1	1								
	IS		Rejuvenation of old orchards											
	IS		Protected cultivation technology	1	1	1								
	IS	ONC	Production and use of organic inputs											
	IS		Care and maintenance of farm											

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
			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	use of ICT Tools and mobile Applications for Anganwadi Extension Worker	1	1								
	IS	ONC	Management in farm animals	Management of Dairy Animals	01	01								
	IS		Livestock feed and fodder production											

Name of KVK	Category (IS)	Training Type (ONC/OF C)	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
	IS	ONC	Household food security	1	1	1								
	IS		Others(Pl. Specify)	Promotion of Nutritional garden in Anganwadi Kendr	1	1								
				Training for Anaganwadi worker for awareness of minor millets	1	1								

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

Name of KVK	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													

Name of KVK	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	Management of Dairy Animals	Dairy		01	10								
	Livestock and fisheries	Composite fish culture													
	Livestock and fisheries	Sheep and goat rearing	Goat Farming	Goat rearing		01	10								
	Livestock and fisheries	Piggery													
	Livestock and fisheries	Poultry farming													
	Livestock and fisheries	Others(Pl. Specify)													
	Income generation activities	Vermi-composting	Vermi-composting	CP		1	7								
	Income generation activities	Production of bio-agents, bio-pesticides,													

Name of KVK	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	Seed production	CP		1	10								
	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)	Food preservation	WOE		1	10								

Name of KVK	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
	Agricultural Extension	Capacity building and group dynamics													
	Agricultural Extension	Others(Pl. Specify)													

Table 5.5. Sponsored Training Programmes

Nam e of KVK	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								Spons oring Agenc y	Fund receiv ed for trainin g (Rs.)
								Gen		Other s		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													

Nam e of KVK	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								Spons oring Agenc y	Fund receiv ed for trainin g (Rs.)
								Gen		Other s		SC		ST			
								M	F	M	F	M	F	M	F		
			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)													
			Livestock and fisheries	Livestock production and management													

Nam e of KVK	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								Spons oring Agenc y	Fund receiv ed for trainin g (Rs.)
								Gen		Other s		SC		ST			
								M	F	M	F	M	F	M	F		
			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

Name of KVK	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		

Area of Training	Jan-Dec-2019	
	Courses	Participants
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 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		
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)

Name of KVK	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

Name of the KVK	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												
	Awareness programme	10												
	Celebration of important days	8												
	Diagnostic visits	25												
	Exhibition	4												
	Exposure visits	2												
	Ex-trainees Sammelan													
	Farm advisory Services	100												
	Farmers visit to KVK	1000												
	Field Day	6												
	Group meetings	5												
	KisanGhoshthi/Sammelan	2												
	Kisan Mela	1												

Name of the KVK	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
	Krishi Mahotsav													
	Lectures delivered as resource persons	5												
	Mahila Mandals conveners meetings	2												
	Method Demonstrations	10												
	Pradhanmantri phasal beema yojana													
	Scientific visit to farmers field	70												
	Self Help Group conveners meetings	2												
	Soil health Camp	1												
	Soil test campaigns	4												
	Technology Week													
	Radio talks	2												
	Extension literature	2												
	TV talks	2												
	Newspaper coverage	9												
	Film Show	6												
	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	2	Akashvani Bhopal	MP	Regional
TV talks	2	DoodarshanMP	MP	Regional
Newspaper coverage	9	Dainikbhasker, Navbharat, Navduniya, Patrika	Hoshangabad	Regional
Internet (Youtube)	5	KVK Govindanagar	KVK Office	National
Social media (Whats App, Facebook, Instagram, Twitter etc.)	80			National

8. 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.)
	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 (please don't give mass please fill number only)
	Abstract	
	Book	
	Book Chapter	
	Booklet	
	Leaflets/ Folder/ Pamphlet	7
	Popular article	12
	Technical Bulletin	1
	Training Manual	5
	Technical Report	
	Year Planner	100
	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

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.)

* Name of product should follow same pattern

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.), if applied
	Bio Fertilizers	Non Symbiotic Azotobacter					
		Vermicompost					
		Azolla					
		Earthworms					
		Compost					
		Blue green algae					
		NADEP					
		SanjeevaniKhad					
		Acetobactor					
		Aspergillus					
		Azatobactor					
		Azospirillum					
		Phosphate solublizing Bacteria					

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.), if applied
		Rhizobium					
		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					
		Chrysoperlacarnea					
		Tricho card					
		Any other (Pl. Specify)					

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.), if applied
	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

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.		
	Dairy animals	Cow						
		Calves						
		Goats						
		Buffaloes						
		Sheep						
		Breeding bull						
		Other (pl specify)						
	Poultry	Poultry						
		Japanese quail						
		Japanese quail eggs						

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.		
		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 :

KVK Name	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	Mini Soil Testing kit	Soil testing laboratory	By Department	By KVK	By Department		Through Mini Soil Testing kit	Through 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

Name of KVK	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

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)

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	

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*

*Attached separate file.

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					

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-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)					
7	Livestock	Feed and Fodder					
		Dairy Management					
		Fisheries					
		Poultry Management					
		Vaccination & Disease 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
		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.

*Attached separate File

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 *

*Attached separate File

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	

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 HRDProgrammes 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 HRDProgrammes 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.)			

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	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			
	Awareness programme			
	Demonstration			
	Exposure visit			
	Ex-trainees Meet			
	Farmer scientist interaction			
	Farmers Training			
	GajarghansUnmulanPakhwada			
	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 SansadAdarsh 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

5. KVK Indore

Summary of the activities

KVK Name	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	
Indore	OFTs	15	241			
Indore	FLDs – Oilseeds (activity in ha)	27.5	73			
Indore	FLDs – Pulses (activity in ha)	37.5	98			
Indore	FLDs – Cotton (activity in ha)	-	-			
Indore	FLDs – Other than Oilseed and pulse crops(activity in ha)	10	30			
Indore	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	7	70			
Indore	Training-Farmers and farm women	64	1280			
Indore	Training-Rural youths	9	180			
Indore	Training- Extension functionaries	3	60			
Indore	Extension Activities	200	4850			
Indore	Seed Production (Number of activity as seeds in quintal)	165	-			
Indore	Planting material ((Number of activity as quantity of planting material in quintal)	-	-			
Indore	Seedling Production (Number of activity as number of seedlings in numbers)	1000	-			
Indore	Sapling Production (Number of activity as number of sapling in numbers)	500	-			
Indore	Other Bio- products (No. of quantity)	152	-			
Indore	Live stock products	-	-			
Indore	Activities of Soil and Water Testing Laboratory	500	-			
Indore	Rainwater Harvesting System	-	-			
Indore	Kisan Mobile Advisory (KVK-KMA)	52	38000			
Indore	SAC Meeting (Date & no. of core/ official members)	2	50			
Indore	Literature to be Developed/Published					

KVK Name	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	
Indore	Convergence programmes / Sponsored programmes					
Indore	Utilization of Farmers Hostel	12	480			
Indore	Utilization of Staff Quarters	8	-			
Indore	Details of KVK Agro-technological Park					
Indore	Crop Cafeteria-	2	-			
Indore	Farm Innovators- list of 10 farm innovators from the District	-				
Indore	Status of Revolving Funds	-				
Indore	Awards and Recognitions	-				
Indore	Case study / Success Story to be developed	2				
Indore	KVK Progressive Farmers interaction	1	40			
Indore	Outreach of KVK in the District (No. of blocks, no. of villages)	4	633			
Indore	Technology Demonstration under Tribal Sub Plan	-	-			
Indore	KVK Ring	2	-			
Indore	Important visitors to KVK	-	-			
Indore	Status of KVK Website	-	-			
Indore	Status of RTI	-	-			
Indore	E-connectivity	-	-			
Indore	Details of Technology Week Celebrations	2	400			
Indore	Interventions on Drought Mitigation	-	-			
Indore	Sansad Adarsh Gram					
Indore	Other Activities	-	-			

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVK as on 01 January, 2020

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Indore	16	1	1	6	5	3	3	6	6	16	15

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Indore	Senior Scientist & Head	Dr. Alok Deshwal	Ani. Hus. & Dairying	Ph.D.	Ani. Hus. & Dairying	37400 – 67000 + 9000 GP	62420	02/01/2006	Permanent	Others
Indore	Subject Matter Specialist1	Dr. Radheshyam Tailor	Agril. Extension	Ph.D.	Agril. Extension	15600 - 39100 + 5400 GP	32110	27/04/2002	Permanent	OBC
Indore	Subject Matter Specialist2	Dr. Dilip Kumar Mishra	Horticulture	Ph.D.	Horticulture	15600 - 39100 + 5400 GP	32110	06/07/2002	Permanent	Others
Indore	Subject Matter Specialist3	Dr. Shri Ram Dadhich	Vety. & A.H.	Ph.D	Vety. Medicine	15600 - 39100 + 5400 GP	30880	26/12/2005	Permanent	Others
Indore	Subject Matter Specialist4	Vacant								
Indore	Subject Matter Specialist5	MS. Archana Kumari	Home Science	M.Sc. Home. Sc.	Home Sc.	15600 - 39100 + 5400 GP	22950	06/08/2015	On Probation	Others
Indore	Subject Matter Specialist6	Mr. Arun Kumar Shukla	Agronomy	M.Sc. (Agronomy)	Agronomy	15600 - 39100 + 5400 GP	22950	11/08/2015	On Probation	Others

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Indore	Programme Assistant	Mr. Nitin Kumar Pachlaniya	Soil Sc.	M.Sc. (Ag.)	Soil Sc. & Ag. Chemistry	9300 - 34800 + 4200 GP	15210	01/09/2014	Permanent	OBC
Indore	Farm Manager	Mr. Rakesh Jain	Agril. Extension	M.Sc. (Ag.)	Agril. Extension	9300 - 34800 + 4200 GP	15670	01/03/2013	Permanent	Others
Indore	Programme Assistant (Computer)	Mr. Adarsh Tiwari	Computer Science	M.C.A.	Computer Application	9300 - 34800 + 4200 GP	22720	18/12/2002	Permanent	Others
Indore	Accountant / superintendent	Mr. Anurag Tiwari	Commerce	M.B.A.	Finance	9300 - 34800 + 4200 GP	16630	11/04/2011	Permanent	Others
Indore	Stenographer	Mr. K. Chanchal	-	B.Sc.	-	5200 - 20200 + 2400 GP	10840	07/08/2015	On Probation	OBC
Indore	Driver	Mr. Vijendra Chouhan	-	H.S.S.C.	-	5200 - 20200 + 1900 GP	11770	10/03/2004	Permanent	SC
Indore	Driver	Mr. Prakash Ravat		H.S.S.C.	-	5200 - 20200 + 1900 GP	8720	19/08/2014	Permanent	ST
Indore	Supporting staff	Mr. Satish Baghela	-	H.S.S.C.	-	4440 - 7440 + 1300 GP	9110	09/03/2004	Permanent	OBC
Indore	Supporting staff	Mr. O.P. Mansare	-	H.S.S.C.	-	4440 - 7440 + 1300 GP	6480	16/08/2014	Permanent	SC

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

Irrigation

61.29 % of the total geographic al area is irrigated. Data regarding Irrigation is given below:

IRRIGATION BY DIFFERENT SOURCES (Area and Number of Structures)	Area (sq km)	Number
Dugwells	106.98	12767
Tube wells/Bore wells	1257.04	37852
Tanks/Ponds	13.50	275
Canals	18.43	11
Other Sources	112.92	-
Net Irrigated Area		1508.87

1.3. DETAILS OF ADOPTED VILLAGE (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)
Bisankheda	2020	Indore	22 km	-	-
Gulawat	2020	Sanwer	57 km	-	-
Kulala	2020	Depalpur	90 km	-	-

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Indore	To enhance productivity of oilseed crops through varietal diversification, Integrated Plant Nutrient Management System (IPNMS), Integrated Pest Management (IPM), Integrated Disease Management (IDM), Weed management and scientific management practices.
Indore	To enhance productivity of Pulse crops through varietal diversification, Integrated Plant Nutrient Management System (IPNMS), Integrated Pest Management (IPM), Integrated Disease Management (IDM), Weed management and scientific management practices.
Indore	To enhance productivity of cereals through varietal diversification, Integrated Plant Nutrient Management System (IPNMS), Integrated Pest Management (IPM), Integrated Disease Management (IDM), Weed management and scientific management practices.
Indore	To increase seed replacement rate by seed production programme in Soybean, Wheat and Gram.
Indore	To reduce cost of cultivation by scientific and improve low cost production technologies.
Indore	To aware the farmers about organic farming practices, resource conservation technologies and natural resource management and to motivate the farmers for adopting these technologies.
Indore	To increase risk bearing ability by crop diversification, introduction of more remunerative cropping systems, Agrohorti system, Agroforestry system and live stock based farming systems. Introduction of medicinal and aromatic crops.

KVK Name	THRUST AREA
Indore	To motivate the farmers for preparation and use of well decomposed, nutrient rich organic manure (Vermicompost, NADEP compost, Phospho compost etc.) along with biofertilizers and balanced use of chemical fertilizers (on soil test basis)
Indore	To improve the Water productivity and Water Use Efficiency by scientific water management practices
Indore	To increase the availability of green fodder through the year for increasing milk production. Introduction of new fodder and forage crops in existing fodder based cropping system.
Indore	To adopt Plant protection measure for important vegetable and flowers crops.
Indore	Use of micronutrient and hormones to enhance productivity and quality of vegetable and flower crops.
Indore	Diversification of farming system through other field crops.
Indore	Diversification of farming system through flower and vegetable cultivation.
Indore	To improve the productivity and quality of Garlic and Potato.
Indore	Introduction of open cultivated flower crops.
Indore	Popularization of Soya products in rural area.
Indore	Nutritional gardening.
Indore	Control and management of stored grain pest.
Indore	To introduce income generating skills among the rural women and school dropout girls.
Indore	To increase milk production by adopting balance diet and mineral nutrition.
Indore	To reduce mortality percentage of calves through proper management.
Indore	Adaptation of proper immunization programme.
Indore	Control of Endo and Ecto parasites.
Indore	Proper utilization of fodder and crop residues chopping, urea treatment, complete feedings etc.
Indore	Selfemployment generating trainings for rural youths.
Indore	Dissemination of seed treatment and biological control techniques.
Indore	Identification of major insect pest of Soybean.
Indore	Efficient use of available irrigation water
Indore	Reduction in labour requirement by using improved implements
Indore	To enhance soil and water conservation practices
Indore	Improvement in tillage practices
Indore	Improvement in crop harvesting technology
Indore	Care and maintenance of plant protection equipments
Indore	To aware farmers about advantages of soil testing

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
Indore	Low yield due to improper management in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Block: Mhow – Kulthana & Nayapura. Block: Sanwer –Lakhanmakhedi
Indore	Low yield due to lack of INM in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low yield due to infestation of diseases in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low Yield due to weed infestation in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low Yield due to highly pest infestation in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low yield due to improper management in Gram	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low yield due to pest infestation in Gram	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low yield due to disease incidence in Gram	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	loss of production due to delayed or early harvesting in Gram	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	low yield due to imbalance nutrition in maize	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low yield due to improper management in wheat	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	low yield due to imbalance nutrition in wheat	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low Yield due to weed infestation in wheat	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low production due to pest infestation in aonla	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low production due to disease infestation in Chrysanthamum	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Indore	Low Yield due to improper nutrition in Chrysanthamum	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low production due to disease infestation in Cluster bean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low production due to improper Management in Pea	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low production due to disease infestation in Potato	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low Yield due to old variety in Potato	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low milk yield due to improper feeding in dairy animals	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low productivity due to improper dairy practices	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Poor health of dairy animals	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Lower efficiency due to improper use & maintenance of farm machinery	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Time and money consumption due to use of traditional farm implements	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low yield due to uneven rainfall distribution	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Unawareness of soil & water conservation methods	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Poor health due to unavailability of nutritious vegetables	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Poor health due to unavailability of nutritious food	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Loss in natural resources	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low productivity of crops due to	Through PRA tools and Discussion with the group of	- do -

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	imbalance nutrition	farmer, farm women and rural youth	
Indore	Low income of rural youth due to unemployment	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -

2. On Farm Testing (OFT)

Thematic Areas for OFT/FLD

Thematic Areas for OFT/FLD	Parameters Name and unit
OFT/FLD on Crops	
Agro Forestry	Yield q/ha
Crop Diversification	insect population/plant
Integrated Crop Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod
Integrated Farming system	Rhizome wt/Plant(g)
Integrated Disease Management	Disease incidence (%)
Integrated Nutrient Management	No of effective tillers/hill
Integrated Weed Management	No of weeds/m ²
Varietal Evaluation	Plant Height(cm), No of pods/plant, No of Siliquae/plant, No. of Grain / pod, Fruit wt(g)
Integrated Pest Management	Insect Infestation (%), No. of Larvae or insect / meter row length
Integrated Plant Nutrient Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod Fruit Length(cm) , Fruit wt(g), No of nodules/plant
Feed and Fodder Production	Fruit Length(cm) ,
Resource conservation Technology	Plant Height(cm),
Soil Fertility Management	No of Cobs/plant
	No of Larvae/m ²
	No of Panicles/m ²
	No of Tillers/hills
	No of Bulb weight(g)
	No of Grains/panical
	No. of tubers/plant
	Weight of Curd/head (g/plant)
	No. of Siliquae or Capsule /plant
	Seedling Germination (%)

Thematic Areas for OFT/FLD	Parameters Name and unit
OFT/FLD on Agriculture Engineering	
Farm Mechanization	Yield (q/ha)
Resource Conservation Technology	Field Capacity (ha/hr)
Post-Harvest Management	Cleaning efficiency %
Storage loss minimization Technology	Cleaning Capacity q/hr
Small Farm Implements	weed population per m ²
	tillers/plant
	water inefficiency
	irrigation efficiency
OFT/FLD on Animal Science	
Animal Feed / Fodder Management	Milk yield (Lit/day/animal)
Animal Disease Management	Change in body weight(kg)
Animal Nutrition Management	Egg Production/bird/year
Livestock production & management	% decrease in Worm
Animal breed evaluation	Parasite control (%)
Poultry Production and management	Body weight at 6 month (kg/goat)
	Parasite infestation (%)
	Live weight (kg/bird) at 3 Month
	Growth Rate (90 days)
	Yield q/ha (Fodder)
	Mortality %
	Feed intake(%)
	Disease infestation(%)
OFT/FLD on Fisheries	
Fingerling Production in Seasonal Ponds	Yield (q/ha)
Composite Fish Farming	Yield (q/ha), ABW (kg)
Fish Nutrition	Survival Rate (%)
Fish-cum-Duck Farming	Disease incidence (%)
Fish Production & Management	
Fish Breeding	
Fish Seed Production	

Thematic Areas for OFT/FLD	Parameters Name and unit
Spawn to fry production	
Integrated Farming System	

2.1.1 Information about OFT:

Title of on-farm trial:	Assessment of Chickpea production technology for higher productivity in soybean - chickpea cropping system
Year/Season:	2020-21, Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield
Thematic area:	Cropping system
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 Dollar variety
T2 –Recommended Practice-	Improved Kripa variety
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	MPKV,Rahuri,2009
Characteristics of technology:	Wilt resistant, bold seeded and high yielding variety Kripa
Name of Crop/Enterprises:	Chickpea
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)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.1.2

Title of on-farm trial:	Assessment of Wheat Production technology in soybean – wheat cropping system
Year/Season:	2020-21, Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield
Thematic area:	Cropping system
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-	HI-8663
T2 –Recommended Practice-	Variety Pusa Tejas[HI 8759]; Sowing With FIRB, RDF 120:60:30:5 (NPKZn), Seed treatment with azotobactor, PSB culture, weed management through mesosulfuron + iodosulfuron @ 14.4 g/ha or clodinofof + metsulfuron 64 g/ha, Harvesting through reaper cum binder.
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IARI (2017)
Characteristics of technology:	Variety Pusa Tejas[HI 8759]; Sowing With FIRB, RDF 120:60:30:5 (NPKZn), Seed treatment with azotobactor, PSB culture, weed management through clodinofof + metsulfuron 64 g/ha, Harvesting through reaper cum binder.
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)						

2.1.3

Title of on-farm trial:	Assessment of balance use of plant nutrients on STCR basis in wheat
Year/Season:	2020-21, Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low Yield of wheat due to imbalance use of fertilizer
Thematic area:	INM
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Refinement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Imbalance use of fertilizer
T2 –Recommended Practice-	Recommended dose of fertilizer (120:60:30)
T3- Recommended Practice-	Target Yield- 50 q/ha, Use of fertilizer on the given STCR basis FN-4.40T - 0.40 SN, FP2O5- 4.00T –4.58 SP,FK2O- 2.53T - 0.16 SK
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV STCR 1999
Characteristics of technology:	Use of fertilizer on the given STCR basis FN-4.40T - 0.40 SN, FP2O5- 4.00T –4.58 SP,FK2O- 2.53T - 0.16 SK
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)						

2.1.4

Title of on-farm trial:	Assessment of soybean production technology for higher productivity in soybean - chickpea cropping system
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to old var. JS 95-60 & aberrations in weather
Thematic area:	Cropping system
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-	JS 95-60@ 80 kg/ha
T2 –Recommended Practice-	Variety RVS 2001-04
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	RVSKVV (2017)
Characteristics of technology:	Variety RVS 2001-04 which is tolerant to major leaf, pod and root disease and pests; higher yield
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)	Yield (q/ha)					
T2(Recommended Practice)	Yield (q/ha)					
T3(Recommended Practice)	Yield (q/ha)					
T1 (Farmers Practice)	No. of pods/plant					
T2(Recommended Practice)	No. of pods/plant					
T3(Recommended Practice)	No. of pods/plant					

2.1.5

Title of on-farm trial:	Assessment of use of Biofertilizer (Mycorrhiza) in soybean crop
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	No use of biofertilizer, indiscriminate and excess use of fertilizer
Thematic area:	Nutrient Management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Refinement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	RDF+ No use of Biofertilizer
T2 –Recommended Practice-	Application of 75% RDF on STV basis+ soil application of Mycorrhiza @ 25 kg/ha + seed treatment with Rhizobium (5-10 g/kg seed)
T3- Recommended Practice-	Soil application of Mycorrhiza @ 25 kg/ha + seed, treatment with Rhizobium (5-10 g/kg seed) (RDNK)
Date of sowing:	
Date of harvesting:	
Source of technology:	IISR, Indore (2015)
Characteristics of technology:	Use of Biofertilizer (Mycorrhiza) as soil application
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	

Title of on-farm trial:	Assessment of use of Biofertilizer (Mycorrhiza) in soybean crop
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)	Yield (q/ha)					
T1 (Farmers Practice)	No. of Pods/Plant					
T2(Recommended Practice)	No. of Pods/Plant					
T3(Recommended Practice)	No. of Pods/Plant					

2.1.6

Title of on-farm trial:	Assessment of Ca, P and Vit-D supplement in daily diets of Dairy animals during lactation period
Year/Season:	2020-21, Rabi
Farming situation:	-
Problem diagnosis:	Due to deficiency of Ca, P and Vit-D milk production is decreased during lactation period
Thematic area:	Animal Nutrition Management
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Refinement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use additional supplements
T2 –Recommended Practice-	Use 50 ml. Calcium, Phosphorus and Vitamin D supplement per day in diet of animal
T3- Recommended Practice-	Use 100 ml. Calcium, Phosphorus and Vitamin D supplement per day in diet of animal
Date of sowing:	N.A.
Date of harvesting:	N.A.
Source of technology:	IVRI, 2003-04

Characteristics of technology:	Regular feeding of Ca, P and Vit-D supplements leads to continuous milk production and health of animal also improved.
Name of Crop/Enterprises:	Dairy
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)						

2.1.7

Title of on-farm trial:	Assessment of Rumen specific live yeast culture – (<i>Saccharomyces cerevesiae</i>) in Buffalo
Year/Season:	2020
Farming situation:	-
Problem diagnosis:	High incidence of acidosis and anorexia
Thematic area:	Animal Nutrition 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 any probiotic in diet
T2 –Recommended Practice-	Use of 15 gm. Of live yeast culture
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	NDRI Karnal , 2008

Characteristics of technology:	Live yeast culture helps in increasing microbial counts of rumen
Name of Crop/Enterprises:	Dairy
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)	Average Milk Yield (lit/day)	6.7	7980	11390	3410	1.42
T2(Recommended Practice)	Average Milk Yield (lit/day)	7.15	8175	12155	3980	1.48
T3(Recommended Practice)	-	-	-	-	-	-

2.1.8

Title of on-farm trial:	Assessment of minerals salt brick in dairy cattle
Year/Season:	2020
Farming situation:	-
Problem diagnosis:	Lower intake of minerals by the animals lead to suboptimal growth production and reproduction
Thematic area:	
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 minerals and salt
T2 –Recommended Practice-	Use of minerals salt brick in daily diets of dairy animals (2 kg salt brick to be hang in manger)
T3- Recommended Practice-	-

Date of sowing:	NA
Date of harvesting:	NA
Source of technology:	NDRI, 2011
Characteristics of technology:	Useful in minerals supplementation is effective in solving the problem of repeat breeding and lower milk production.
Name of Crop/Enterprises:	Dairy
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/ani.)	Average Gross Return (Rs/ani.)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk yield (lit/day)					
T2(Recommended Practice)						
T3(Recommended Practice)						
T1 (Farmers Practice)	% decrease in Repeat breeding incidence					
T2(Recommended Practice)						
T3(Recommended Practice)						

2.1.9

Title of on-farm trial:	Assessment of Liquid Biofertilizer consortia (NPK) for nutritional management in Garlic
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Higher use of inorganic fertilizer and no use of biofertilizer
Thematic area:	
No of trials:	10
No. of farmers involved	10

Type of OFT (Assessment/ Refinement):	Refinement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Application of 400 kg urea , 200 kg 12-32-16 grade and 400 Kg SSP (208-128-32 Kg NPK) and Nitrogen application at 30, 45 and 90 days after planting
T2 –Recommended Practice-	NPKS @ 100-50-50-50 NPKS 75 % N&P + PSB & Azotobactor
T3- Recommended Practice-	1 litre Liquid biofertilizer consortia (PSB+Azotobactor+ Potassium Mobilizing Bacteria) + NPKS @ 100-50-50-50 NPKS 75 % N&P
Date of sowing:	N.A.
Date of harvesting:	N.A.
Source of technology:	NDRI 2010
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/ani.)	Average Gross Return (Rs/ani.)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield (q/ha)					
T2(Recommended Practice)						
T3(Recommended Practice)	-					

2.1.10

Title of on-farm trial:	Assessment of Biofertilizer (Azospirillum and PSB) in onion
Year/Season:	Rabi , 2012-21 (II term)
Farming situation:	
Problem diagnosis:	No use of biofertilizer , indiscriminate and excess use of fertilizer
Thematic area:	INM
No of trials:	10

No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Refinement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	300-64- 32 (Urea 600 kg) ,IFFCO grade 12-32-16 (200 kg) & No use of Biofertilizer
T2 –Recommended Practice-	Application of RDF (150 – 50- 60) on STV basis
T3- Recommended Practice-	75 % N& P with Use of Biofertilizer (Azospirillum & PSB 5 Kg/ha or equivalent each)
Date of sowing:	-
Date of harvesting:	-
Source of technology:	10 (2.5 ha)
Characteristics of technology:	Use of Biofertilizer (Azospirillum & PSB 5 Kg/ha or equivalent each)
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/ani.)	Average Gross Return (Rs/ani.)	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)	Yield (q/ha)					
T1 (Farmers Practice)	Bolting %					
T2(Recommended Practice)	Bolting %					
T3(Recommended Practice)	Bolting %					

2.1.11

Title of on-farm trial:	Assessment of rake and baller to manage crop residue of wheat
Year/Season:	Rabi , 2012-21 (II term)
Farming situation:	
Problem diagnosis:	Farmers burn crop residue of their field leading to pollution and loss of organic matter.

Thematic area:	NRM
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-	Farmers burn crop residue of their field
T2 –Recommended Practice-	Use of rake and baller to manage crop residue
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	PAU, Ludhiana, 2014
Characteristics of technology:	Eco-friendly Animal Food security Helpful in enhancing soil fertility No loss of Organic contents
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/ani.)	Average Gross Return (Rs/ani.)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Field capacity (ha/hr)					
T2(Recommended Practice)	Field capacity (ha/hr)					
T3(Recommended Practice)						
T1 (Farmers Practice)	Bolting %					
T2(Recommended Practice)	Bolting %					
T3(Recommended Practice)						

2.2.1 Information about Extension OFT:

Title	Assessment of knowledge and adoption of soil health card based use of fertilizer.
Season & Year	2020
Problem identified	Lack of knowledge about the recommendation of soil health card.
Thematic Area	Agriculture Extension
Farming situation	-
Name of Technology under study	Determination of quantity of fertilizers used on the basis of soil health card, low cost of cultivation and good soil health.
Farmers Practice	Farmers do not use fertilizers as per the recommendation of soil health card.
No. of replication (Farmers)	100

Parameters	
	Mass Use of mass media
	Extension contact
	Information on soil health card
	Attitude about soil health card
	Adoption of soil health card recommendations
	Mass Use of mass media
	Extension contact
	Problem in adoption
	Feedback

2.3.1 Information about Home Science OFT:

Title of on-farm trial:	Assessment of soybean variety NRC 121 as vegetable for better nutrition
Year/Season:	Kharif 2020
Problem diagnosis:	No use of soybean as vegetable
Thematic area:	Nutritional Security
No of trials:	13
No. of farmers/farm women involved	13
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	No use of soybean in diet as vegetable
T2 –Recommended Practice-	Use of soybean variety NRC 121 as vegetable
Source of technology:	IISR 2017
Characteristics of technology:	this variety can be used as vegetable purpose
Name of Crop/Enterprises:	
Farming situation:	N.A.
Date of sowing:	N.A.
Date of harvesting:	N.A.
Recommendations for Farmers	
Recommendations for Deptt. Personnel	-

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

Name of Enterprise /product:

Detail of Technology	Name of Product/en terprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calciu m (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)									

2.3.2 Home Sc. OFT:

Title of on-farm trial:	Assessment of soybean variety NRC 127 for preparation of soya flour
Year/Season:	Kharif 2020
Problem diagnosis:	Difficulty in making soya flour due to presence of trypsin inhibitor
Thematic area:	Nutritional Security
No of trials:	13
No. of farmers/farm women involved	13
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Use of Soybean by making soya flour from other variety.
T2 –Recommended Practice-	Use of soybean through making soya flour from NRC 127 variety
Source of technology:	IISR 2017
Characteristics of technology:	Trypsin inhibitor free variety, easy to make soya flour
Name of Crop/Enterprises:	-
Farming situation:	-
Date of sowing:	N.A.
Date of harvesting:	N.A.
Recommendations for Farmers	Farmwomen appreciated the technology and are ready to adopt it.
Recommendations for Deptt. Personnel	Soya flour are very good source of healthy diets for all age groups. It is rich source of protein, as well as iron, Vit-B and calcium and it adds a pleasant texture and flavour to a variety of product.
Feedback	

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

Name of Enterprise /product: - Soya 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)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

2.3.3 Information about Home Science OFT:

Title of on-farm trial:	Assessment of power operated grain cleaner for wheat
Year/Season:	Rabi 2020-21
Problem diagnosis:	High drudgery and time consumption in manual cleaning
Thematic area:	Drudgery reduction
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-	Manual cleaning
T2 –Recommended Practice-	Use of power operated grain cleaner
Source of technology:	
Characteristics of technology:	Use of Power operated grain cleaner leads to saving of time and labour and grain is graded in three categories
Name of Crop/Enterprises:	
Farming situation:	N.A.
Date of sowing:	N.A.
Date of harvesting:	N.A.
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)							

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

3. Achievements of Frontline Demonstrations (FLD)

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

KVK Name	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
Indore	2020	Khari f	INM	Management of major insect pest specially <i>helicoverpa</i> and <i>spodoptera litura</i> through bio-inputs	Oils eed	Soybean	JS 95 60	Rainfed		5 ha	-	-	-	-	-	-	13	13
Indore	2020-21	Rabi	IDM	Management of root rot by seed treatment in Garlic	Spices	Garlic	G-282	Irrigated		2.5 ha	-	-	-	-	-	-	10	10

KVK Name	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
Indore	2020-21	Rabi	PHM	Malwa Modal for storage of onion	Vegetable	Onion	ARL	Irrigated		2.5 ha	-	-	-	-	-	-	10	10
Indore	2020	Khari f	INM	Demonstration of use of Sulphur (deficient) in soybean	Oils eed	Soybean	-			2.5 ha	-	-	-	-	-	-	10	10
Indore	2020-21	Rabi	INM	Demonstration of use of liquid biofertilizer (Rhizobium +PSB) alongwith micronutrient (Ammonium molybdate) for seed treatment in	Pulse	Chick pea	-	Irrigated		2.5 ha	-	-	-	-	-	-	10	10

KVK Name	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
				Chickpea														
Indore	2020-21	Rabi	Improved Variety	Demonstration of improved variety (PKV-4) of Kabuli Chickpea	Pulse	Chickpea	-	Irrigated		5 ha	-	-	-	-	-	-	13	13
Indore	2020-21	Rabi	Improved Variety	Demonstration of Limited irrigation improved variety of wheat (Pusa Ujala)	Cereals	Wheat	-	Irrigated		5 ha	-	-	-	-	-	-	10	10
Indore	2020-21	Rabi	Improved Variety	Cluster demonstration of Pulses	Pulse	Chickpea	-	Irrigated		30 ha	-	-	-	-	-	-	75	75
Indore	2020	Khari	Improved Variety	Cluster demonstration of oilseed	Oilseed	Soybean	-	Rainfed		20 ha	-	-	-	-	-	-	50	50

3.2 Economic Impact of Crop FLD

KVK Name	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)
Indore	Management of major insect pest specially <i>helioverpa</i> and <i>spodoptera litura</i> though bio-inputs												
Indore	Management of root rot by seed treatment in Garlic												
Indore	Malwa Modal for storage of onion												
Indore	Demonstration of use of Sulphur (deficient) in soybean												

KVK Name	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)
Indore	Demostration of use of liquid biofertilizer (Rhizobium +PSB) alongwith micronutrient (Ammonium molybdate) for seed treatment in Chickpea												
Indore	Demonstration of improved variety (PKV-4) of Kabuli Chickpea												
Indore	Demonstration of Limited irrigation improved variety of wheat (Pusa Ujala)												
Indore	Cluster demonstration of Pulses												
Indore	Cluster demonstration of oilseed												

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

KVK Name	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
Indore	2020	Rabi	NRM	Demonstration of straw reaper to manage crop residue of wheat	Improved Implement	-	Straw Reaper	-	-	10	-	-	-	-	-	-	10	10

3.4 Economic Impact of Agriculture Engineering FLD

KVK Name	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)
Indore	Demonstration of straw reaper to manage crop residue of wheat	Improved Implement	Field capacity (ha/hr)										

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

KVK Name	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
Indore	2020-21		Animal Disease Management	Regular deworming in dairy cattle	Dairy					10 No.	-	-	-	-	-	-	10	10
Indore	2020-21		Animal Disease Management	Use of Vitamin E and selenium in dry period to manage mastitis in dairy animals	Dairy					10 No.	-	-	-	-	-	-	10	10
Indore	2020-21		Animal Disease Management	Regular spray of acaricidal solution in dairy shed	Dairy					10 No.	-	-	-	-	-	-	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)
Regular deworming in dairy cattle												
Use of Vitamin E and selenium in dry period to manage mastitis in dairy animals												
Regular spray of acaricidal solution in dairy shed												

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

KVK Name	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

3.8 Economic Impact of fishery FLD

KVK Name	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)

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

KVK Name	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	Others	General	Total
Indore	2020		Post Harvest Managment	Demonstration of storage practices of pulses (Pigeon pea)	Women in Agri									10	10
Indore	2020-21		Women Health & Nutrition	Demonstration of moringa oleifera for health benefit	Women in Agri.									10	10
Indore	2020-21		Nutritional garden	Demonstration on Nutritional Garden	Women in Agri.									10	10

Economic Performance Home Science FLD: (Drudgery Reduction)

KVK name	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)

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

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

Economic Performance Home Science FLD: (For Nutritional security)

KVK name	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 moringa oleifera for health benefit																		
	Demonstration on Nutritional Garden																		

Economic Performance Home Science FLD: (For Post Harvest Management)

KVK name	FLD Title	Performance Indicator / Parameter					
		Infestation%				Germination%	
		T1		T2		T1	T2
Indore	Demonstration of storage practices of pulses (Pigeon pea)						

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Indore	Soybean, Wheat, Chickpea, Garlic	Field days	4	100	-
Indore	Soybean, Wheat, Chickpea, Garlic	Farmers Training	4	80	-
Indore	Soybean, Wheat, Chickpea, Garlic	Media coverage	2	-	-
Indore	Soybean, Wheat, Chickpea, Garlic	Training for extension functionaries	1	20	-

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

Name of KVK	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
Indore	F&FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Improved Harvesting machineries.	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Crop residue management through farm machinery .	1	1	20	0	0	0	0	0	0	0

Name of KVK	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
Indore	F&FW	OFC	Agril. Engineering	Farm machinery & its maintenance	wheat crop residue management through straw reaper	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Crop residue management through rake and baler	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Manual and power operated seed/grain cleaning equipments	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Crop Production	Integrated nutrient Management	Application of liquied fertilizer in chickpea	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Crop Production	Production of organic inputs	Preparation of organic manure	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Crop Production	Integrated Crop Management	Seed Treatment	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	ONC	Crop Production	Integrated Crop Management	Seed Treatment in soybean	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	ONC	Crop Production	Integrated nutrient Management	Integrated Nutrient Management in Soybean	2	2	40	0	0	0	0	0	0	0
Indore	F&FW	ONC	Crop Production	Integrated Crop Management	Sowing technique of soybean	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Crop Production	Integrated Pest Management	Management of blue beetle and helicoverpa in Soybean	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	ONC	Crop Production	Production of organic inputs	Organic Farming	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Crop Production	Integrated Pest	Management of white fly	1	1	20	0	0	0	0	0	0	0

Name of KVK	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
e				Management	in soybean										
Indore	F&FW	OFC	Crop Production	Seed production	Sowing technique and seed treatment in chickpea	1	1	20	1	0	0	0	0	0	0
Indore	F&FW	ONC	Crop Production	Integrated nutrient Management	INM in chickpea	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	ONC	Crop Production	Integrated Crop Management	Sowing tech. & seed treatment of wheat	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	ONC	Crop Production	Integrated Crop Management	Sowing tech. & seed treatment of chickpea	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	ONC	Crop Production	Integrated Crop Management	Seed prodn. tech. of chickpea	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	ONC	Crop Production	Integrated nutrient Management	INM in chickpea	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	ONC	Crop Production	Integrated Pest Management	IPM in chickpea	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Livestock Production and Management	Animal Nutrition Management	Feeding of goats	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Livestock Production and Management	Animal Nutrition Management	Scientific feeding of dairy animals	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	ONC	Livestock Production and Management	Dairy Management	Practices of dairy management	1	1	20	0	4	0	2	0	0	0
Indore	F&FW	OFC	Livestock Production and	Disease Management	Management of mastitis in dairy animals	1	1	20	0	0	0	0	0	0	0

Name of KVK	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												
Indore	F&FW	OFC	Livestock Production and Management	Dairy Management	Management of dairy animals in summer.	1	1	20	0	0	0	18	0	0	0
Indore	F&FW	ONC	Livestock Production and Management	Dairy Management	Improved animal husbandry practices.	1	1	20	10	0	2	0	10	0	0
Indore	F&FW	OFC	Livestock Production and Management	Feed & fodder technologies	Azola cultivation	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Livestock Production and Management	Disease Management	Importance of deworming in dairy animal.	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	ONC	Livestock Production and Management	Feed & fodder technologies	Azolla Cultivation for Dairy	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Livestock Production and Management	Dairy Management	Care of Dairy Animal in Winter season	1	1	20	0	0	0	0	0	0	0
Indore	FW	OFC	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Role of moringa Oleifera for health benefit	1	1	0	20	0	0	0	0	0	0
Indore	FW	OFC	Home Science/Women empowerment	Value addition	Value addition of soybean by making milk, soya nut	1	1	0	20	0	0	0	0	0	0
Indore	FW	OFC	Home Science/Women empowerment	Value addition	Value addition of soybean	1	1	0	20	0	0	0	0	0	0

Name of KVK	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
Indore	FW	ONC	Home Science/Women empowerment	Value addition	Value addition of soybean.	1	1	0	20	0	0	0	0	0	0
Indore	FW	ONC	Home Science/Women empowerment	Value addition	Soya Milk and soya food products	1	1	0	20	0	0	0	0	0	0
Indore	FW	OFC	Home Science/Women empowerment	Value addition	Process of potato chips making	1	1	0	20	0	0	0	0	0	0
Indore	FW	OFC	Home Science/Women empowerment	Women and child care	Importance of mothers milk for infants	1	1	0	20	0	0	0	21	0	0
Indore	FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nutritional garden for nutritional security	1	1	0	20	0	0	0	0	0	0
Indore	FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nutritional Security for Kitchen Garden	1	1	0	20	0	0	0	0	0	0
Indore	FW	OFC	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Characteristics of Moringa Oleifera and its use	1	1	0	20	0	0	0	0	0	0
Indore	F&FW	OFC	Horticulture	Integrated Pest	Insect management in	1	1	20	0	2	0	0	0	0	0

Name of KVK	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
e			(Vegetable Crops)	Management	sponge guard										
Indore	F&FW	OFC	Horticulture (Ornamental Plants)	Integrated nutrient management	INM in marigold	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Horticulture (Vegetable Crops)	Integrated Pest Management	Fruit Fly management in cucumber	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Horticulture (Fruits)	Cultivation of Fruit	Fruit plantation technique	1	1	20	0	2	0	0	0	0	0
Indore	F&FW	OFC	Horticulture(Spices)	Integrated nutrient management	INM in Garlic	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Horticulture (Fruits)	Cultivation of Fruit	Care and management of Custard plant	1	1	20	0	5	0	0	0	0	0
Indore	F&FW	OFC	Horticulture(Spices)	Integrated Nutrient Management	Micro nutrient application in Garlic	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Soil Health and Fertility Management	Production and use of organic inputs	Farm waste management from waste decomposer	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Fertilizer management in late sown wheat	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Soil Health and Fertility Management	Soil & water testing	Soil Health Management and method of soil sampling	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Soil Health and Fertility Management	Soil & water testing	Soil Health Management and method of soil sampling	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Soil Health and	Balance Use of	Use of micronutrient in	1	1	20	0	0	0	0	0	0	0

Name of KVK	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
e			Fertility Management	fertilizer	soybean										
Indore	F&FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Use of biofertilizer in soybean	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Soil Health and Fertility Management	Management of Problematic soils	Soil Health Management	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Use of water soluble fertilizer in soybean	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Use of liquid bio-fertilizer in chickpea	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Use of STCR equation for balance use of fertilizer	1	1	20	0	0	0	0	0	0	0
Indore	F&FW	OFC	Soil Health and Fertility Management	Production and use of organic inputs	Agriculture Waste management through Waste Decomposer	1	1	20	0	0	0	0	0	0	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
Indore	RY	ONC	Value addition	Nutritional benefits of oat fortified biscuits.	1	3	0	20	0	0	0	0	0	0

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
Indore	RY	ONC	Dairying	Advances in Dairy farming practices	2	6	40	0	0	0	0	0	0	0
Indore	RY	ONC	Organic Farming	Organic Farming	2	6	40	0	0	0	0	0	0	0
Indore	RY	ONC	Others(Soil Testing)	Soil & water testing	1	6	20	0	0	0	0	0	0	0

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
Indore	IS	ONC	Integrated Nutrient management	INM in Kharif Crops	1	1	20	0	0	0	0	0	0	0
Indore	IS	ONC	Integrated Nutrient management	IPM in Pulse Crops	1	1	20	0	0	0	0	0	0	0
Indore	IS	ONC	Low cost and nutrient efficient diet designing	Training to Anganwadi workers	1	1	0	20	0	0	0	0	0	0

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

Name of KVK	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
Indore	Crop production and management	Organic farming	Organic Grower	Soil Sc.	Organic Farming	1	28	20	0	0	0	0	0	0	0
Indore	Livestock and fisheries	Poultry farming	Poultry Management	Poultry	Poultry farming	1	6	20	0	0	0	0	0	0	0
Indore	Income generation activities	Seed production	Quality Seed Grower	Agronomy	Seed production	1	28	20	0	0	0	0	0	0	0

Table 5.5. Sponsored Training Programmes

Name of KVK	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		
Indore	F &FW	Improved animal husbandry practices.	Livestock and fisheries	Livestock production and management	Dairy Management	12	2	0	40	0	0	0	0	0	0		
Indore	F &FW	Dairy Management	Livestock and fisheries	Integrated Farming	Gaushala Prabandhan	6	2	40	-	0	0	0	0	0	0		

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	
Indore					

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

Name of KVK	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		
Indore																
Indore																

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	2	36
Design and development of low/minimum cost diet	2	42
Designing and development for high nutrient efficiency diet	2	68
Minimization of nutrient loss in processing	0	0
Processing and cooking	0	0
Gender mainstreaming through SHGs	0	0
Storage loss minimization techniques	0	0
Value addition	5	108
Women empowerment	0	0
Location specific drudgery reduction technologies	0	0
Rural Crafts	0	0
Women and child care	1	21
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	0	0

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	19	380
Horticulture	08	160
Soil Health and Fertility Management	14	280
Livestock Production and Management	16	320
Agril. Engineering	05	100
Plant Protection	0	0
Fisheries	0	0
Production of Input at site	0	0
Capacity Building and Group Dynamics	0	0
Agro forestry	0	0
Others	2	40

Table 5.10 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./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)
Indore											

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpos e	Topics	Crop Stages
				M	F	M	F	M	F	M	F			
Indore	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-		
Indore	Animal Health Camp	04	-	15	15	15	15	-	-	-	-	400 Animals /Birds		
Indore	Awareness programme	06	-	50	50	10	10	-	-	-	-	320 Animals		
Indore	Celebration of important days	03	-	40	40	40	40	-	-	-	-	-		
Indore	Diagnostic visits	04	-	25	25	25	25	-	-	-	-	-		
Indore	Exhibition	05	-	50	10	75	15	05	-	-	-	-		
Indore	Exposure visits	-	-	-	-	-	-	-	-	-	-	-		
Indore	Ex-trainees Sammelan	06	-	-	-	-	-	-	-	-	-	500 copies of each		
Indore	Farm advisory Services	02	-	20	05	20	05	-	-	-	-	-		
Indore	Farmers visit to KVK	36	-	360	60	360	60	72	-	-	-	-		
Indore	Field Day	08	-	60	60	50	50	20	-	-	-	-		

Name of the KVK	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
Indore	Group meetings	04	-	25	25	25	25	25	-	-	-	-		
Indore	Kisan Ghosthi/Sammelan	02	-	120	-	80	-	04	-	-	-	-		
Indore	Kisan Mela	02	-	500	50	100	50	-	-	-	-	-		
Indore	Krishi Mahotsav													
Indore	Lectures delivered as resource persons	12	-	150	30	150	30	24	-	-	-	-		
Indore	Mahila Mandals conveners meetings	-	-	-	-	-	-	-	-	-	-	-		
Indore	Method Demonstrations	08	-	40	40	40	40	20	-	-	-	-		
Indore	Pradhanmantri phasal beema yojana													
Indore	Scientific visit to farmers field	36	-	90	45	90	45	12	-	-	-			
Indore	Self Help Group conveners meetings	12	-	-	228	-	-	-	-	-	-			
Indore	Soil health Camp	02	-	25	25	25	25	-	-	-	-			
Indore	Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-		
Indore	Technology Week	02	-	50	50	50	50	-	-	-	-	-		
Indore	Radio talks	06	-	-	-	-	-	-	-	-	-	-		
Indore	Extension literature	06	-	-	-	-	-	-	-	-	-	-		
Indore	TV talks	06	-	-	-	-	-	-	-	-	-	-		
Indore	Newspaper coverage	06	-	-	-	-	-	-	-	-	-	-		
Indore	Film Show	18	-	150	30	150	30	50	-	-	-	-		
Indore	Others (Special Day)	04	-	200	40	-	-	-	-	-	-	-	-	-

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	6	AIR, Indore	Indore	Local
TV talks	6	Doordarshan	Kisan Mela, Mela	Local

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Newspaper coverage	6	-	-	Local
Internet (Youtube)	-	-	-	-
Social media (Whats App, Facebook, Instagram, Twitter etc.)	6	Whats App Group, Facebook	-	-

9. 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.
Indore	January to March 2020	Q1	250	225	Panchayat, Blocks, KVKs,
Indore	April to June 2020	Q2	250	225	Panchayat, Blocks, KVKs,
Indore	July to September 2020	Q3	250	225	Panchayat, Blocks, KVKs,
Indore	October to December 2020	Q4	250	225	Panchayat, Blocks, KVKs,

7.2 Literature developed/published

KVK Name	Type	Number of copies(please don't give mass please fill number only)
Indore	Abstract	-
Indore	Book	-
Indore	Book Chapter	-
Indore	Booklet	-
Indore	Leaflets/ Folder/ Pamphlet	-
Indore	Popular article	04
Indore	Technical Bulletin	-
Indore	Training Manual	-
Indore	Technical Report	-
Indore	Year Planner	01
Indore	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
Indore					
Indore					
Indore					
Indore					

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.)
Indore	Cereals	Wheat	Poshan, Tejas, Purna	80			
Indore	Pulse	Chickpea	JG-6, RVG-202, Kripa, PKV-4	30			
Indore	Oilseed	Soybean	JS 9560, 20-34	55			

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.)
Indore	Flower sapling	Seasonal	Local	1000			
Indore	Seedling	Vegetable	Local	500			

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

* Name of product should follow same pattern

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.), if applied
Indore	Bio Fertilizers	Non Symbiotic Azotobacter					
		Vermicompost	8000				
		Azolla	200				
		Earthworms					
		Compost	5000				
		Blue green algae					
		NADEP	2000				
		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					

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.), 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)	Ooincirtus papilionis					
		Epiricania melanolauca					
	Bio Agents(Worms)	Assinia foetida					
		Eudrilus eugeniae					
		Euclnia Uginiae					
		Eisenia foetida					

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.), 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

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.		
Indore	Dairy animals	Cow						
		Calves						
		Goats						
		Buffaloes						
		Sheep						
		Breeding bull						
		Other (pl specify)						
	Poultry	Poultry						
		Japanese quail						
		Japanese quail eggs						
		Ducks						
		Turkey						
		Other						
	Piggery	Piglets						

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.		
		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:

KVK Name	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	Mini Soil Testi ng kit	Soil testing laborat ory	By Departm ent	By KVK	By Departm ent		Throu gh Mini Soil Testin g kit	Throug h Soil testing laborat ory
Indore	Yes, 2004-05	2	2	100	400	500	-	-	500	-	-	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)
Indore	-	-	-	-	-

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/RY/EF)	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	
Indore													

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.)
Indore					

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	
Indore													

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)
Indore	Jan.	2020	40			40
Indore	Feb.	2020	40			40
Indore	Mar.	2020	40			40
Indore	Apr.	2020	40			40
Indore	May	2020	40			40
Indore	June	2020	40			40
Indore	July	2020	40			40

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)
Indore	Aug.	2020	40			40
Indore	Sept.	2020	40			40
Indore	Oct.	2020	40			40
Indore	Nov.	2020	40			40
Indore	Dec.	2020	40			40

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
Indore	1979	1979	8	-	-

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*
Indore	May 2020	25	
Indore	Oct 2020	25	

*Attached separate file.

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
Indore	5000	125	5	5130

*Separate JPEG Photographs (2-3 only)

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

KVK	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	0	7	38000	633	633
			Integrated Farming	0	1	38000	633	633

KVK	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
			Field Preparation	0	1			
			Any Other (Specify)	0	0	38000	633	633
	2	Weather	Advisory	0	1	38000	633	633
			Change in variety	0	0			
			Change in Sowing technique	0	0			
			Climate forecast	0	0			
			Any Other (Specify)	0	0			
	3	Soil Management	Soil Testing	0	2	38000	633	633
			INM	0	2			
			Fertilizer Application	0	2	38000	633	633
			Vermicomposting/ bio-waste recycling	0	0			
			Bio-fertilizer	0	0			
			Any Other (Specify)	0	0			
	4	Disease & Pest Management	Disease Management	0	4	38000	633	633
			Pest Management	0	4	38000	633	633
			Preventive Advisory Disease Management	0	0			
			Preventive Advisory Pest Management	0	0			
			Bio-pesticides	0	4	38000	633	633
			Any Other (Specify)	0	0			
	5	Nutrition Security & Women Empowerment	Nutrition Awareness	0	0			
			Kitchen garden	0	0			
			Value Addition and	0	2	38000	633	633

KVK	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
			Processing					
			Drudgery Reduction	0	0			
			Entrepreneurship & Income Generation	0	0			
			Advisory	0	0			
			Any Other (Specify)	0	0			
	6	Horticulture	Vegetable	0	4	38000	633	633
			Fruit	0	0			
			Hi Tech Horticulture	0	0			
			Any Other (Specify)	0	0			
	7	Livestock	Feed and Fodder	0	2	38000	633	633
			Dairy Management	0	4	38000	633	633
			Fisheries	0	0			
			Poultry Management	0	0			
			Vaccination & Disease management	0	4	38000	633	633
			Any Other(Specify)	0	0			
	8	Farm Mechanization		0	2	38000	633	633
	9	Extension		0	5	38000	633	633
	10	Organic Farming		0	5	38000	633	633
	11	Marketing		0	0			
	12	Awareness		0	3	38000	633	633
	13	Other Enterprise		0	0			
	14	Any Other(About Govt. Scheme)		0	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)
Indore						
Indore						

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)	
Indore	1000000	OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Stationery & Office Running)	-		

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
Indore	882110110002616	2763255		KVK Farm

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
Indore					
Indore					

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
356.4	Cereals	Wheat	MP-3269, HI 1605, Malav Kirti, Amar, Swarna, Tejas, Sudha, JW 3288, HI 1544, Pusa Mangal, Pusa Anmol, Poshan, HI 1418, Harshita, Vidisha, Malav Shakti, Pusa Bahar, Pusa 111, Amrita, RVW 4106, HI-8777, HI-1612	Poshan (Durum), HI-1418 (Aestivum)
194.4	Pulse	Chickpea	JG 16, JG 130, JG 63, JAKI 9218, RVGK 101, RVGK 102, JG 218, JG 74, JG 6, JGK 3, JG-11. Kripa, PKV-4	JGK-3 (Kabuli), JAKI-9218 (Red Color)
303.75	Oilseed	Soybean	JS 9560, JS 9752, RVS 2001-4, JS 7105, JS-335, JS 9305, JS 2029, JS 2034, NRC 7, NRC 37, NRC 86,	RVS-2001-4

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.
	Indore				

*Attached separate File

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Indore	July 2020	40

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
Indore	04	633	04	04	18	633

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 *
Indore							

*Attached separate File

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	
Indore	KVK, Dewas and KVK, Ujjain	Expertise & Seed supplied			-

27. Important visitors to KVK

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

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	Indore	2006	www.kvkindore.co.in	12	

29. Status of Mobile Apps developed by KVK

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

30. Status of RTI

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

31. Status of Citizen Charter

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

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Indore		Senior Scientist & Head	04	Approx. No. to be attended
Indore		SMS	06	Approx. No. to be attended
Indore		P.A.	02	Approx. No. to be attended
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Indore		12

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Indore	Senior Scientist & Head		04	Approx. No. to be attended
Indore	SMS		06	Approx. No. to be attended
Indore	P.A.		02	Approx. No. to be attended

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Indore		12

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)
Indore					

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

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
Indore				

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Indore	Technology Week	02	400	Soybean, Chickpea, Wheat, Ani. Hus.
Indore				

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
Indore	Indore	Tillore Khurd

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Management of <i>helioverpa</i> and <i>spodoptera litura</i> in soybean	Soybean	5	-	-	13
Management of root rot by seed treatment in Garlic	Garlic	2.5	-	-	10

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Demonstration of storage practices of pulses (Pigeon pea)	Women in Agriculture	10	-	-	10

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Animal Health Checkup and Vaccination Camp (2)	40	-	-	40
Farmers Meeting (2)	40	-	-	40
Field Day (2)	40	-	-	40
Soil Health Camp (2)	40	-	-	40
Scientist visit to farmers field ((10)	40	-	-	40

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Farmers Training (6)	120	-	-	120
Farm women Training (2)	-	40	-	40
Rural Youth (2)	30	-	-	30

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

Name of the KVK	Indore
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	Indore	1	-

6. KVK Raisen

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	260			
FLDs – Oilseeds (activity in ha)	34 ha	85			
FLDs – Pulses (activity in ha)	56 ha	155			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	10.5 ha	50			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	-	40			
Training-Farmers and farm women	62	1300			
Training-Rural youths	8	120			
Training- Extension functionaries	7	120			
Extension Activities	35	600			
Seed Production (Number of activity as seeds in quintal)	400 q	-			
Planting material ((Number of activity as quantity of planting material in quintal)	-	-			
Seedling Production (Number of activity as number of seedlings in numbers)	30000	-			
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	6	200			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	65	48500			
SAC Meeting (Date & no. of core/ official members)	1	20			
Literature to be Developed/Published	10	-			

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	2	-			
Utilization of Farmers Hostel	-	-			
Utilization of Staff Quarters	6	-			
Details of KVK Agro-technological Park	-	-			
Crop Cafeteria-	2	250			
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	-			
KVK Progressive Farmers interaction	2	50			
Outreach of KVK in the District (No. of blocks, no. of villages)	7	1497			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	2	-			
Important visitors to KVK	-	-			
Status of KVK Website	Functional	-			
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
Raisen	16	1	1	6	6	3	3	6	6	16	16

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Sr. Scientist & Head	Dr. Swapnil Dubey	Agronomy	M.Sc. (Ag), Ph.D.	Agronomy	37400- 67000 G.P. 9000	53810	1 st July, 2014	GEN
SMS/ Scientist 1	Mr. Ranjeet Singh Raghav	Soil Science	M.Sc. (Ag.)	Soil Science	15600- 39100 G.P. 5400	24350	1 st July, 2014	GEN
SMS/ Scientist 2	Ms. Lakshmi Chakravarti	Home Science	M.H.Sc. (Food & Nutrition), M.Phil.	Home Science	15600- 39100 G.P. 5400	24350	1 st July, 2014	OBC
SMS/ Scientist 3	Mr. Pradip Kumar Dwivedi	Plant Protection	M.Sc. (Ag.) (Entomology), MBA.	Plant Protection	15600- 39100 G.P. 5400	23640	1 st April, 2015	GEN
SMS/ Scientist 4	Dr. Mukul Kumar	Horticulture	M.Sc. (Ag.) (Horticulture)	Horticulture	15600- 39100 G.P. 5400	22950	3 rd Feb, 2016	GEN
SMS/ Scientist 5	Mr. Alok Kumar Suryawanshi	Agriculture Extension	M.Sc. (Ag.) (Agriculture Extension)	Agriculture Extension	15600- 39100 G.P. 5400	21000	5 th Sep., 2019	OBC
SMS/ Scientist 6	Mr. Brahma Nand Shukla	Fisheries	M.F.Sc. (Aquaculture)	Fisheries	15600- 39100 G.P. 5400	21000	12 th Sep., 2019	GEN
Programme Assistant	Dr. Anshuman	Veterinary	B.V.Sc & AH,	Animal Science	9300-34800	22400	25 th	GEN

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
	Gupta	Science	MSW & PGDRD		G.P. 4200		March, 2004	
Farm Manager	Mr. Sunil Kethwas	Farm Manager	B.Sc (Ag.)	-	9300-34800 G.P. 4200	18730	10 th Oct, 2007	SC
Computer Programmer	Mr Pankaj Bhargava	Computer Science	MCA	Computer Science	9300-34800 G.P. 4200	22400	8 th April, 2004	GEN
Accountant / superintendent	Mr. Rajkumar Makode	Accounts	M.Com.	-	9300-34800 G.P. 4200	17130	1 st July, 2011	OBC
Stenographer	Mrs. Aruna Somkunwar	Stenographer	M.A & PGDRD	Stenography	5200-20200 G.P. 2400	15220	22 nd March, 2004	SC
Driver	Mr. Ubed Khan	Jeep Driver	10 th	-	5200-20200 G.P. 2000	12260	5 th February, 2005	GEN
Driver	Mr. Vijay Kumar Sahu	Tractor Driver	10 th	-	5200-20200 G.P. 2000	10030	1 st Apr, 2016	OBC
Supporting staff	Mr. Sanjay Chaudhary	Supporting Staff	B.Com.	-	5200-20200 G.P. 1800	7880	7 th April, 2006	SC
Supporting staff	Mr. Hari Bhau Gajabhiye	Supporting Staff	12 th	-	5200-20200 G.P. 1800	7000	1 st May., 2019	OBC

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
Raisen	Vindhyan Plateau	07	502	13,31,699	74.3%	3,61,373	1,08,499	4.064

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)
Raisen	Lilgavan	2019	Gairatganj	27	-	-
Raisen	Sankal	2019	Gairatganj	40	-	-

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Raisen	Badher	2019	Gairatganj	45	-	-
Raisen	Chandoniganj	2019	Gairatganj	50	-	-

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Raisen	Integrated Crop Management Practices
Raisen	Use of high yielding variety
Raisen	Crop Diversification
Raisen	Application of Balance dose of fertilizers
Raisen	Integrated Pest Management Techniques
Raisen	Horticulture & Vegetable Crops
Raisen	Use of high yielding variety
Raisen	Commercial fruit & vegetables cultivation
Raisen	Nursery raising
Raisen	Rejuvenation of old orchards
Raisen	Livestock Management
Raisen	Dairy Management
Raisen	Goatry Management
Raisen	Feed Management
Raisen	Disease Management

1.5. PROBLEM IDENTIFIED by KVK

Problem identified	Methods of problem identification	Location Name of Village & Block
Low yield of Soybean due use of old variety (JS 93-05)	PRA/Group Discussion	Lilgavan & Sankal Block- Gairatganj
Low yield of Rice due use of old variety (PB-1)	PRA/Group Discussion	Lilgavan & Sankal Block- Gairatganj
Poor insect -pests management due to injudicious use of chemical insecticides	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
Low yield of paddy due to false smut disease of paddy	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
Low yield of paddy due to Stem borer & Sheath blight disease of paddy	PRA/Group Discussion	Lilgavan & Sankal Block- Gairatganj
Low yield of rice due to physiological disorder khaira disease.	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
Declining soil fertility and crop productivity due to burning of wheat residue harvested by combine harvester	PRA/Group Discussion	Lilgavan & Sankal Block- Gairatganj

Problem identified	Methods of problem identification	Location Name of Village & Block
Low yield of Tomato due to Leaf Curl Virus and Early blight	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
Incidence of YVM reduces the okra fruit yield by 30%	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
If wheat sowing is delayed yield of wheat reduce	PRA/Group Discussion	Lilgavan & Sankal Block- Gairatganj
Low yield due to use of old varieties	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
Low yield of chickpea due to severe infestation of pod borer.	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
Poor nitrogenous fertilizer use efficiency	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
Low yield due to inadequate dose of fertilizers	PRA/Group Discussion	Lilgavan & Sankal Block- Gairatganj
Low yield due to use of unsuitable / inappropriate varieties	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
Poor production and low keeping quality	PRA/Group Discussion	Lilgavan & Sankal Block- Gairatganj
Poor knowledge about SHC recommendation	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
Low milk production in dairy animals.	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
Low milk yield due to lack of essential mineral, energy protien & salt rich diet.	PRA/Group Discussion	Lilgavan & Sankal Block- Gairatganj
Low milk yield due to lack of protein rich fodder in dairy animal	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
Low income of farm women due to improper management of seedling	PRA/Group Discussion	Lilgavan & Sankal Block- Gairatganj
Non availability of quality mushroom.	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj
Low income of farm women due to improper management of bio-waste	PRA/Group Discussion	Lilgavan & Sankal Block- Gairatganj
Losses due to infestation of stored grain pest.	PRA/Group Discussion	Badher & Chandoniganj Block- Gairatganj

2. On Farm Testing (OFT)

Thematic Areas for OFT/FLD

Thematic Areas for OFT/FLD	Parameters Name and unit
OFT/FLD on Crops	
Agro Forestry	Yield q/ha
Crop Diversification	insect population/plant
Integrated Crop Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod
Integrated Farming system	Rhizome wt/Plant(g)
Integrated Disease Management	Disease incidence (%)
Integrated Nutrient Management	No of effective tillers/hill
Integrated Weed Management	No of weeds/m2
Varietal Evaluation	Plant Height(cm), No of pods/plant, No of Siliquae/plant, No. of Grain / pod,

	Fruit wt(g)
Integrated Pest Management	Insect Infestation (%), No. of Larvae or insect / meter row length
Integrated Plant Nutrient Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod Fruit Length(cm) , Fruit wt(g), No of nodules/plant
Feed and Fodder Production	Fruit Length(cm) ,
Resource conservation Technology	Plant Height(cm),
Soil Fertility Management	No of Cobs/plant
	No of Larvae/m ²
	No of Panicles/m ²
	No of Tillers/hills
	No of Bulb weight(g)
	No of Grains/panical
	No. of tubers/plant
	Weight of Curd/head (g/plant)
	No. of Siliquae or Capsule /plant
	Seedling Germination (%)
OFT/FLD on Agriculture Engineering	
Farm Mechanization	Yield (q/ha)
Resource Conservation Technology	Field Capacity (ha/hr)
Post-Harvest Management	Cleaning efficiency %
Storage loss minimization Technology	Cleaning Capacity q/hr
Small Farm Implements	weed population per m2
	tillers/plant
	water inefficiency
	irrigation efficiency
OFT/FLD on Animal Science	
Animal Feed / Fodder Management	Milk yield (Lit/day/animal)
Animal Disease Management	Change in body weight(kg)
Animal Nutrition Management	Egg Production/bird/year
Livestock production & management	% decrease in Worm
Animal breed evaluation	Parasite control (%)
Poultry Production and management	Body weight at 6 month (kg/goat)

	Parasite infestation (%)
	Live weight (kg/bird) at 3 Month
	Growth Rate (90 days)
	Yield q/ha (Fodder)
	Mortality %
	Feed intake(%)
	Disease infestation(%)
OFT/FLD on Fisheries	
Fingerling Production in Seasonal Ponds	Yield (q/ha)
Composite Fish Farming	Yield (q/ha), ABW (kg)
Fish Nutrition	Survival Rate (%)
Fish-cum-Duck Farming	Disease incidence (%)
Fish Production & Management	
Fish Breeding	
Fish Seed Production	
Spawn to fry production	
Integrated Farming System	

2.1 Information about OFT:Kharif-2020

Title of on-farm trial:	Assessment of ridge and furrow technology in improved variety of Soybean JS 20-116, JS 21-17 (under Soybean –Wheat cropping system)
Year/Season:	Kharif-2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield of Soybean due use of old variety (JS 93-05).
Thematic area:	CMP
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 old variety (JS 93-05).
T2 –Recommended Practice-	Improved variety of Soybean JS 20-116
T3- Recommended Practice-	Improved variety of Soybean JS 21-17

Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, 2018
Characteristics of technology:	Improved variety of Soybean JS 20-116, Maturity 98-100 days, Yield potential 20-25 q/ha. Improved variety of Soybean JS 21-17, Maturity 95 days, Yield potential 20-25 q/ha.
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	Less attack of insect pest and higher yield over FP.
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)	Yield ()	q/ha				

Title of on-farm trial:	Assessment of improved rice variety PUSA- 1637, PUSA- 1728
Year/Season:	Kharif-2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield of paddy due to heavy attack of pest.
Thematic area:	CMP
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-	Pusa Basmati-1
T2 –Recommended Practice-	Improved variety of Paddy Pusa-1637
T3- Recommended Practice-	Improved variety of Paddy Pusa-1728
Date of sowing:	

Date of harvesting:	
Source of technology:	IARI, 2016
Characteristics of technology:	Improved variety of Paddy Pusa-1637. Maturity 125-130 days, Yield potential 45-50 q/ha. Improved variety of Paddy Pusa-1728. Maturity 140-145 days, Yield potential 50-55 q/ha.
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Less attack of insect pest, diseases and higher yield over FP.
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)	Yield ()	q/ha				

Title of on-farm trial:	Assessment of IPM modules in Soybean
Year/Season:	Kharif-2020
Farming situation:	Rainfed
Problem diagnosis:	Poor insect -pests management due to injudicious use of chemical insecticides
Thematic area:	PLP
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 IPM.
T2 –Recommended Practice-	Pheromone trap + Insecticide
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IISR (2010),(2015)

Characteristics of technology:	Pheromone traps 10/ha each for Spodoptera and Helicoverpa +Seed treatment Trichoderma @ 10 g/kg seed + Thiamethoxam 30FS 10 ml/kg seed +Bird perches @ 50/ha + need based spray of Chlorantraniliprole 18.5 SC @ 100 ml/ha
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	Use of IPM effectively control insect & pest, reduction in cost of cultivation.
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 (t)	q/ha				
T2 (Recommended Practice)	Yield (t)	q/ha				
T3 (Recommended Practice)						

Title of on-farm trial:	Assessment of Copper oxychloride and Carbendazim for the management of false smut of paddy.
Year/Season:	Kharif-2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield of paddy due to false smut disease
Thematic area:	PLP
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 judicious use of pesticides
T2 –Recommended Practice-	Seed treatment with Carbendazim @ 2 g/ kg seed prior sowing
T3- Recommended Practice-	S.T. with Carbendazim @ 2 g/ kg seed along with foliar spray of Copper oxychloride @ 3 g/ liter of water at the time of tillering and pre flowering.
Date of sowing:	
Date of harvesting:	
Source of technology:	TNAU, Coimbatore

Characteristics of technology:	Seed treatment and foliar spray respectively with Carbendazim and Copper oxychloride
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Seed treatment and foliar spray respectively with Carbendazim and Copper oxychloride effectively control the false smut of paddy.
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 (t)	q/ha				
T2 (Recommended Practice)	Yield (t)	q/ha				
T3 (Recommended Practice)	Yield (t)	q/ha				

Title of on-farm trial:	Assessment of Fungicide & Insecticide against Sheath Blight & insect pests of Rice.
Year/Season:	Kharif-2020
Farming situation:	Irrigated
Problem diagnosis:	Sheath blight & stem borer is one of the major problem in the district causing serious yield losses
Thematic area:	PLP
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-	Seed treatment by thiram
T2 –Recommended Practice-	ST by Carbendazim + Foliar spray of (Flubendamide 3.5% + Hexaconazole 5% WDG) Ready mixed formulation 400g/acre at active tillering & Panicle initiation stage
T3- Recommended Practice-	ST by Carbendazim + Foliar spray of Propiconazole 1ml/lit followed by Cartap Hydrochloride 50% SP 1.5gm/lit at active tillering & Panicle initiation stage
Date of sowing:	
Date of harvesting:	

Source of technology:	IGKV, Raipur 2012 & APRRI & Regional Agricultural Research Station, Maruteru
Characteristics of technology:	Management of Sheath blight & stem borer by mixed formulation of Fungicide & insecticide
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)	Yield (t)	q/ha				
T2 (Recommended Practice)	Yield (t)	q/ha				
T3 (Recommended Practice)	Yield (t)	q/ha				

Title of on-farm trial:	Assessment of micronutrients Zinc in transplanted rice (Rice-wheat cropping system).
Year/Season:	Kharif-2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield of rice due to physiological disorder khairf disease.
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 micronutrient
T2 –Recommended Practice-	Application of micronutrient Zinc – 25 kg/ha.
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IISS, Bhopal 2006
Characteristics of technology:	Application of Zinc sulphate on the basis of STV

Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Zinc sulphate fertilizer should be used in Paddy-Wheat cropping system.
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 Wheat crop residue management in soybean-wheat cropping system .
Year/Season:	Kharif-2020
Farming situation:	Irrigated
Problem diagnosis:	Declining soil fertility and crop productivity due to burning of wheat residue harvested by combine harvester
Thematic area:	Residue burning
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-	Residue burning
T2 –Recommended Practice-	Residue collection
T3- Recommended Practice-	Residue in-situ incorporation + spray of residue decomposer @ 375g/ha/2500 l water
Date of sowing:	
Date of harvesting:	-
Source of technology:	NCOF– 2015
Characteristics of technology:	Residue decomposer applied in farmer field
Name of Crop/Enterprises:	Soybean (Wheat straw)

Recommendations for Farmers	Wheat crop residual management through waste decomposer.
Recommendations for Deptt. Personnel	-
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter (Organic carbon % in Soil)		Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
	Before Sowing	After Post harvest					
T1 (Farmers Practice)							
T2 (Recommended Practice)							
T3 (Recommended Practice)							

Title of on-farm trial:	Assessment of HYV variety Arka Rakshak. of Tomato
Year/Season:	Kharif-2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield of Tomato due to Leaf Curl Virus and Early blight
Thematic area:	HOV-VE
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-	Local Variety
T2 –Recommended Practice-	Arka Samrat
T3- Recommended Practice-	Arka Rakshak
Date of sowing:	
Date of harvesting:	
Source of technology:	IIHR (2010)
Characteristics of technology:	HYV F1 ,triple disease resistance for leaf curl virus, Bacterial wilt and early blight.

Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	Use of disease resistant & high yielding varieties of tomato.
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)	Yield (q/ha)					

Title of on-farm trial:	Assessment of YMV resistant Okra variety Kashi Kranti
Year/Season:	Kharif-2020
Farming situation:	Irrigated
Problem diagnosis:	Incidence of YVM reduces the okra fruit yield by 30%
Thematic area:	HOV-VE
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 unsuitable variety Parbhani Kranti
T2 –Recommended Practice-	Use of tolerant variety Kashi Kranti (VRO-22)
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IIVR, 2011
Characteristics of technology:	YMV resistant & high yielding Okra variety Kashi Kranti (VRO-22)
Name of Crop/Enterprises:	Okra
Recommendations for Farmers	Use of disease resistant (YMV) & high yielding variety of Okra.

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 cultivation and feeding of Maize fodder (ATM) for milk production in dairy animals.
Year/Season:	Kharif-2020
Farming situation:	Irrigated
Problem diagnosis:	Low milk production in dairy animals.
Thematic area:	Feeding 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 cultivation for feeding dairy animals.
T2 –Recommended Practice-	Cultivation of maize green fodder & feeding @ 30 kg/animal/day
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	IGFRI, 2007
Characteristics of technology:	Green Fodder yield – 40 T/ha, DM%- 17.65, CP%- 9.8, Plant height- 302 cm, Leaf length- 81.3 cm, Stem thickness- 1.77 cm.
Name of Crop/Enterprises:	Maize fodder (ATM)
Recommendations for Farmers	Recommended to farmers in Kharif for better milk yield.

Recommendations for Deptt. Personnel	Department should distribute ATM seeds to dairy farmers
Feedback	

Result : (Economic Performance of OFT)

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

Rabi 2020

Title of on-farm trial:	Assessment of improved wheat varieties Pusa Mangal, Pusa Tejas under Irrigated condition.
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to sowing of old varieties
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-	GW-322
T2 –Recommended Practice-	Pusa Mangal high yielding variety, Yield potential 50-55 q/ha.
T3- Recommended Practice-	Pusa Tejas high yielding variety, Yield potential 55-60 q/ha.
Date of sowing:	-
Date of harvesting:	-
Source of technology:	IARI, 2017
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)	Result awaited	-	-	-	-	-
T2 (Recommended Practice)	-	-	-	-	-	-
T3 (Recommended Practice)	-	-	-	-	-	-

Title of on-farm trial:	Assessment of IPM in chick pea for the management of wilt disease and gram pod borer
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield of chick pea due to high incidence of wilt disease and infestation of gram pod borer
Thematic area:	PLP
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 & IPM.
T2 –Recommended Practice-	Seed treatment with carboxin + thiram @ 2 g/kg seed followed by biofertilizers (Rhizobium + PSB cultures) @ 5 g/kg seed
T3- Recommended Practice-	T2 + use of pheromone trap @ 10/ha and foliar spray of Profenophos @ 2 ml/liter of water.
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV Jabalpur
Characteristics of technology:	
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)						

Title of on-farm trial:	Assessment of Neem coated urea for enhancing -N use efficiency in wheat .
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Poor nitrogenous fertilizer use efficiency
Thematic area:	IPNM
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-	Nitrogen at the time of 20 DAS
T2 –Recommended Practice-	Neem Coated Urea @ 120 kg/ha (50% of N at the time of sowing +25 % at 20 DAS +25% at 40 DAS)
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	IISS, Bhopal
Characteristics of technology:	
Name of Crop/Enterprises:	Neem coated urea and time of application
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 nutrient management on STV basis in wheat under irrigated condition.
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to inadequate dose 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-	Use 75 kg DAP (18:46:0) , 250 kg urea /ha
T2 –Recommended Practice-	Use of NPK @ 140:70:35 kg/ha + 5 kg Zn through ZnSO ₄
T3- Recommended Practice-	Use of Biofertilizers + 75 % NPK @ 105:52.5:26.3kg/ha + 3.75 kg Zn through ZnSO ₄
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV and IISS (2000)/IARI, New Delhi
Characteristics of technology:	Balance nutrient management maintains soil fertility and raises crop production
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 high yielding tomato variety Kashi Aman tolerant to leaf curl virus
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to use of unsuitable / inappropriate varieties
Thematic area:	HOV-VE
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-	Farmer's local / inappropriate variety and no stacking
T2 –Recommended Practice-	High yielding tomato variety Kashi Aman (Fruits medium firm and oval shape, Resistant to leaf curl virus, Yield 550 q/ha)
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	IIVR, 2013
Characteristics of technology:	
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)						

Title of on-farm trial:	Assessment of HYV onion for good keeping quality
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Poor production and low keeping quality
Thematic area:	HOS
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-	Agrifound Light Red (ALR).
T2 –Recommended Practice-	Bhima Red
T3- Recommended Practice-	Bhima Shakti
Date of sowing:	
Date of harvesting:	
Source of technology:	DOGR 2013
Characteristics of technology:	Bulbs are globular/spherical in shape ,High yielding , good keeping quality, Resistance against thrips and fungal diseases Mature in 110-125 days
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)						

Title of on-farm trial:	Assessment of urea molasses mineral block (UMMB) for milk production in dairy animals.
Year/Season:	Rabi 2020
Farming situation:	-
Problem diagnosis:	Low milk yield due to lack of essential mineral, energy protein & salt rich diet.
Thematic area:	Feeding 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 UMMB in dairy animals.
T2 –Recommended Practice-	Use of UMMB @ 25 kg/10 day.
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	NDRI, Karnal 2008
Characteristics of technology:	UMMB either purchased from market or prepared on order. Composition of UMMB will be Wheat Bran 40 kg, Molasses 38 kg, urea 10 kg. Binding agent 10 kg mineral mixture powder, 1 kg salt, 1 kg vitamins blend 100 gms.
Name of Crop/Enterprises:	Urea Molasses Mineral Block (UMMB)
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 Azolla and Fodder production for feeding to dairy animals.
Year/Season:	Rabi 2020
Farming situation:	-
Problem diagnosis:	Low milk yield due to lack of protein rich fodder in dairy animal
Thematic area:	Feed 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 Azola
T2 –Recommended Practice-	Azolla 1.5 kg with green fodder per day per animal.
T3- Recommended Practice-	T2 + Dewormer- Alvomar.
Date of sowing:	
Date of harvesting:	
Source of technology:	NDRI 2004
Characteristics of technology:	
Name of Crop/Enterprises:	Azola
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	2020
Problem identified	Poor knowledge about SHC recommendation
Thematic Area	CBD
Farming situation	
Name of Technology under study	This study will be conducted in Grid zone of Madhya Pradesh. Panchyat of the district, 4 panchyat for each block will be selected randomly. Twenty five respondents from each panchyat well also be selected a random bases thus the data will be collected 600 farmers. In soil sample grid wise were tested by various department viz. department of farmer welfare and agriculture development, IFFCO, KRIBHCO and Krishi Vigyan Kendra and are one lac seventeen thouhand soil health card were issued the farmers. 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.
Farmers Practice	Farmers are not using fertilizers as per SHC Recommendation
No. of replication (Farmers)	150

Results / findings

Performance indicators/ parameters	Unit/ details

2.3. Information about Home Science OFT:

Title of on-farm trial:	Assessment of Nursery raising for livelihood security of farm women.
Year/Season:	Kharif-2020
Problem diagnosis:	Low income of farm women due to improper management of seedling
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-	Flat bed.
T2 –Recommended Practice-	Raised bed.
T3 –Recommended Practice-	Pro-Tray
Source of technology:	IIHR, Bengaluru, Karnataka.
Characteristics of technology:	
Name of Crop/Enterprises:	Vegetables
Farming situation:	Irrigated
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Title of on-farm trial:	Assessment of proper substrate for mushroom production.
Year/Season:	Kharif-2020
Problem diagnosis:	Non availability of quality mushroom.
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-	Non cultivation of mushroom.
T2 –Recommended Practice-	Oyster mushroom on Wheat straw.
T3 –Recommended Practice-	Oyster mushroom on Paddy straw.
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	-

Title of on-farm trial:	Assessment of vermi compost production unit for income generation.
Year/Season:	Rabi 2020
Problem diagnosis:	Low income of farm women due to improper management of bio-waste
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-	Traditional method of composting
T2 –Recommended Practice-	Vermicompost
Source of technology:	JNKVV 2004
Characteristics of technology:	-
Name of Crop/Enterprises:	Vermicompost
Farming situation:	-
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Title of on-farm trial:	Assessment of Pro Super Bag for storage of Wheat.
Year/Season:	Rabi 2020
Problem diagnosis:	Losses due to infestation of stored grain pest.
Thematic area:	IPM
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-	Gunny bag.
T2 –Recommended Practice-	Pro Super Bag
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)

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

KVK Name	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
CFLD under NFSM																		
Raisen	2020	Kharif	ICM	Demonstration on Integrated Crop Management in Soybean.	Oilseed	Soybean	JS 20-69		-	10/25	-	-	-	-	-	-	-	-
Raisen	2020	Kharif	ICM	Demonstration on Integrated Crop Management in	Pulses	Black gram	Pratap Urad-1		-	20/50	-	-	-	-	-	-	-	-

KVK Name	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
				Blackgram														
Raisen	2020	Kharif	ICM	Demonstration on Integrated Crop Management in Pigeonpea	Pulses	Pigeonpea	TJT-501		-	10/25	-	-	-	-	-	-	-	-
Raisen	2020	Rabi	ICM	Demonstration on Integrated Crop Management in Chickpea.	Pulses	Chickpea	JG-12		-	10/25	-	-	-	-	-	-	-	-
Raisen	2020	Rabi	ICM	Demonstration on Integrated Crop Management in Lentil.	Pulses	Lentil	IPL-316		-	10/25	-	-	-	-	-	-	-	-

KVK Name	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
Raisen	2020	Rabi	ICM	Demonstration on Integrated Crop Management in Linseed.	Oilseed	Linseed	JLS-67		-	20/50	-	-	-	-	-	-	-	-
FLD other than NFSM																		
Raisen	2020	Kharif	ICM	Demonstration on Weed management in Blackgram.	Pulses	Blackgram	Imazathapyre + Propaquizafop		-	2/5	-	-	-	-	-	-	-	-
Raisen	2020	Kharif	ICM	Demonstration on Weed management in Soybean.	Oilseed	Soybean	Diclosulam		-	2/5	-	-	-	-	-	-	-	-
Raisen	2020	Rabi	ICM	Demonstration on Weed management in Wheat.	Cereals	Wheat	Sulfosulfuron + Metsulfuron		-	2/5	-	-	-	-	-	-	-	-

KVK Name	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
Raisen	2020	Kharif	IDM	Demonstration of Integrated Disease Management Leaf Curl virus in Chilli.	Vegetable	Chilli	Spray of Acetamiprid 125 gm/ha + wettable sulphur 500 gm/ha.		-	1/5	-	-	-	-	-	-	-	-
Raisen	2020	Kharif	IDM	Management of Yellow mosaic in Blackgram (Imidacloprid 48 FS + Trizophos 40 EC)	Pulses	Blackgram	(Imidacloprid 48 FS + Trizophos 40 EC)		-	2/5	-	-	-	-	-	-	-	-
Raisen	2020	Kharif	INM	Demonstration of Sulphur Through Bentonite Sulphur in Soybean	Oilseed	Soybean	RDF 20:60:40 NPK + 20 kg/ha Bentonite Sulphur		-	2/5	-	-	-	-	-	-	-	-

KVK Name	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
Raisen	2020	Kharif	INM	Demonstration on leaf colour chart vis-à-vis split application of N in Rice-wheat cropping system	Cereals	Rice	20 kg N as basal + based on leaf colour chart observation at weekly reading (IISS)		-	2/5	-	-	-	-	-	-	-	-
Raisen	2020	Rabi	INM	Demonstration on Liquid biofertilizer in Chickpea	Pulses	Chickpea	Seed priming with Liquid Rhizobium, PSB and KMB (5 ml /kg seed).	-	-	2/5	-	-	-	-	-	-	-	-
Raisen	2020	Rabi	HOO	Demonstration of production technology of hybrid Marigold.	Flower	Marigold	High yielding variety African marigold double orange			0.5/10	-	-	-	-	-	-	-	-

KVK Name	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
Raisen	2020	Rabi	HOV	Demonstration of effective combination of herbicides for the control of narrow and broad leaf weeds in Onion.	Spices	Onion	The combined application of Oxyfluorfen 23.5 % EC @ 0.75ml/L + Propaquizafop 10% @ 1.5 ml/L at 20-25 days after transplanting (DAT).			1/5	-	-	-	-	-	-	-	-
Raisen	2020	Rabi	HOV	Demonstration on Broccoli production	Vegetable	Broccoli	Broccoli (Pusa Broccoli - KTS 1) production		-	1/10	-	-	-	-	-	-	-	-
Raisen	2020	Rabi	IPM	Integrated Pest Management in Onion	Spices	Onion	Seedling treatment with T-Virdi + sticky trap 50/ha +		-	1/5	-	-	-	-	-	-	-	-

KVK Name	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
							spinosad 100 ml/ha at 30-35 DSP.											
Raisen	2020	Kharif	NRM	Demonstration of direct sowing of Rice	Cereals	Rice	The rice crop 30 kg/ha are directly sown to well prepare main field by fertilizer cum seed drill at 20 cm distances with 3 cm depth and recommended fertilizer.	-	-	2/5	-	-	-	-	-	-	-	-

3.2 Economic Impact of Crop FLD

KVK Name	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

KVK Name	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
Raisen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.4 Economic Impact of Agriculture Engineering FLD

KVK Name	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)

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

Year	Season	The matic 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	Others	General	Total
2019	Kharif	AS	Demonstration of Mineral Salt lick in lactating Buffaloes	Livestock	-	Regular intake of mineral supplement improves milk production and Minerals salt enhance water uptake aids in digestion.	-	-	-/10	-	-	-	-	-	-	-	-
2019-20	Rabi	AS	Demonstration of Methochelated oral calcium supplementation on milk production in dairy buffaloes.	Livestock	-	Oral calcium @ 80-100 ml per animal per day for three month after calving + Albendazole @ 3gm	-	-	-/10	-	-	-	-	-	-	-	-

3.6 Economic Impact of Animal Science FLD

KVK Name	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

KVK Name	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

KVK Name	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)

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

KVK Name	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	Others	General	Total
Raisen	2019	Kharif	WOE	Demonstration of spiral seed grader in Arhar.	Arhar	Spiral Seed Grader	-	-	-	-	-	-	-	-	10
Raisen	2019-20	Rabi	WOE	Demonstration of Twin – wheel hoe in vegetable crops.	Vegetable crops	Twin –wheel hoe	-	-	-	-	-	-	-	-	5
Raisen	2019-20	Rabi	WOE	Demonstration of Nutrition kitchen garden for nutrition security.	Vegetable crops	Nutritional Kitchen garden	-	-	-	-	-	-	-	-	5

Economic Performance Home Science FLD: (Drudgery Reduction)

KVK name	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)

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

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

Economic Performance Home Science FLD: (For Nutritional security)

KVK name	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	T1	T2

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Raisen	Soybean	Field days	1	-	-
		Farmers Training	1	-	-
		Media coverage	1	-	-
		Training for extension functionaries	1	-	-
Raisen	Blackgram	Field days	1	-	-
		Farmers Training	1	-	-
		Media coverage	1	-	-
		Training for extension functionaries	1	-	-
Raisen	Pigeonpea	Field days	1	-	-
		Farmers Training	1	-	-
		Media coverage	1	-	-
		Training for extension functionaries	1	-	-

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Raisen	Chickpea	Field days	1	-	-
		Farmers Training	1	-	-
		Media coverage	1	-	-
		Training for extension functionaries	1	-	-
Raisen	Lentil	Field days	1	-	-
		Farmers Training	1	-	-
		Media coverage	1	-	-
		Training for extension functionaries	1	-	-
Raisen	Linseed	Field days	1	-	-
		Farmers Training	1	-	-
		Media coverage	1	-	-
		Training for extension functionaries	1	-	-

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	Raisen	-	-	-	-	-

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

Name of KVK	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
Raise n	FW	ONC	Crop Production	Resource Conservation Technologies	Resource conservation technology	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Crop Production	Crop Diversification	Crop Diversification	2	2	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Crop Production	Integrated Crop Management	Production technology of kharif crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Crop Production	Integrated Crop Management	Production technology of Rabi crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Crop Production	Weed Management	Weed management in Kharif crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Crop Production	Weed Management	Weed management in Rabi crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Crop Production	Nursery management	Nursery Management	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Horticulture (Vegetable Crops)	Production of low volume and high value crops	Production of low volume and high value crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Horticulture (Vegetable Crops)	Nursery raising	Nursery raising technology of vegetable crops	1	1	-	-	-	-	-	-	-	-

Name of KVK	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
Raise n	FW	ONC	Horticulture (Fruits)	Training and Pruning	Training and Pruning of fruit crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Horticulture (Fruits)	Micro irrigation systems of orchards	Micro irrigation systems of orchards	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Horticulture (Fruits)	Cultivation of Fruit	Cultivation of Fruit crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Horticulture (Ornamental Plants)	Nursery Management	Cultivation of flower crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Horticulture (Spices)	Production and Management technology	Production and Management technology of spice crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Soil Health and Fertility Management	Soil fertility management	Soil fertility management in Kharif crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Soil Health and Fertility Management	Balance Use of fertilizer	Balance Use of fertilizer in Paddy crop	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Soil Health and Fertility Management	Soil fertility management	Soil fertility management in Rabi crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated Nutrient Management in Kharif crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated Nutrient Management in Rabi crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Micro nutrient deficiency in kharif	1	1	-	-	-	-	-	-	-	-

Name of KVK	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										
Raise n	FW	OFC	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Micro nutrient deficiency in Rabi crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Soil Health and Fertility Management	Production and use of organic inputs	Production and use of organic inputs	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Livestock Production and Management	Dairy Management	Dairy Management	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Livestock Production and Management	Poultry Management	Poultry Management	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Livestock Production and Management	Disease Management	Disease Management	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Livestock Production and Management	Feed & fodder technologies	Feed & fodder technologies	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Livestock Production and Management	Dairy Management	Dairy Management	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Livestock Production and Management	Poultry Management	Poultry Management	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Livestock Production and Management	Disease Management	Disease Management	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Livestock Production and Management	Feed & fodder technologies	Feed & fodder technologies	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Household food security by kitchen gardening and nutrition gardening	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Home Science/Women empowerment	Minimization of nutrient loss in processing	Minimization of nutrient loss in processing	1	1	-	-	-	-	-	-	-	-

Name of KVK	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
Raise n	FW	ONC	Home Science/Women empowerment	Value addition	Value addition	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Home Science/Women empowerment	Women empowerment	Women empowerment	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Location specific drudgery reduction technologies	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques	Storage loss minimization techniques	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Household food security by kitchen gardening and nutrition gardening	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Home Science/Women empowerment	Value addition	Value addition	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Home Science/Women empowerment	Women and child care	Women and child care	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Plant Protection	Integrated Pest Management	Integrated Pest Management in Kharif crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Plant Protection	Integrated Pest Management	Integrated Pest Management in Rabi crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Plant Protection	Integrated Disease Management	Integrated Disease Management in Kharif crops	1	1	-	-	-	-	-	-	-	-
Raise	FW	ONC	Plant Protection	Production of bio	Integrated Disease	1	1	-	-	-	-	-	-	-	-

Name of KVK	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
n				control agents and bio pesticides	Management in Rabi crops										
Raise n	FW	ONC	Plant Protection	Bio-control of pests and diseases	Bio-control of pests and diseases	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Plant Protection	Integrated Pest Management	Integrated Pest Management in Kharif crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Plant Protection	Integrated Pest Management	Integrated Pest Management in Rabi crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Plant Protection	Integrated Disease Management	Integrated Disease Management in Kharif crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Plant Protection	Integrated Disease Management	Integrated Disease Management in Rabi crops	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Plant Protection	Bio-control of pests and diseases	Bio-control of pests and diseases	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Fisheries	Integrated fish farming	Integrated fish farming	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Fisheries	Carp fry and fingerling rearing	Carp fry and fingerling rearing	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Fisheries	Portable plastic carp hatchery	Portable plastic carp hatchery	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Fisheries	Composite fish culture	Composite fish culture	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Capacity Building and Group Dynamics	Leadership development	Leadership development	1	1	-	-	-	-	-	-	-	-

Name of KVK	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
Raise n	FW	ONC	Capacity Building and Group Dynamics	Group dynamics	Group dynamics	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Formation and Management of SHGs	1	1	-	-	-	-	-	-	-	-
Raise n	FW	ONC	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths	Entrepreneurial development of farmers/youths	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Capacity Building and Group Dynamics	Leadership development	Leadership development	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Capacity Building and Group Dynamics	Group dynamics	Group dynamics	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Formation and Management of SHGs	1	1	-	-	-	-	-	-	-	-
Raise n	FW	OFC	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths	Entrepreneurial development of farmers/youths	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
Raisen	RY	ONC	Seed Production	Seed production of Kharif crops	1	5	-	-	-	-	-	-	-	-
Raisen	RY	ONC	Seed Production	Seed production of Rabi crops	1	5	-	-	-	-	-	-	-	-
Raisen	RY	ONC	Planting material	Planting material production	1	5	-	-	-	-	-	-	-	-

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
			production											
Raisen	RY	ONC	Commercial fruit production	Commercial fruit production	1	5	-	-	-	-	-	-	-	-
Raisen	RY	ONC	Mushroom Production	Mushroom Production	1	5	-	-	-	-	-	-	-	-
Raisen	RY	ONC	Value addition	Value addition	1	5	-	-	-	-	-	-	-	-
Raisen	RY	ONC	Dairying	Dairying	1	5	-	-	-	-	-	-	-	-
Raisen	RY	ONC	Sheep and goat rearing	Goat rearing	1	5	-	-	-	-	-	-	-	-

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		6	7	8	9	10	11	12	13	14	15
Raisen	IS	OFC	Productivity enhancement in field crops	Productivity enhancement in field Kharif crops	1	1	-	-	-	-	-	-	-	-
Raisen	IS	OFC	Productivity enhancement in field crops	Productivity enhancement in field Rabi crops	1	1	-	-	-	-	-	-	-	-
Raisen	IS	OFC	Integrated Nutrient management	Integrated Nutrient management	1	1	-	-	-	-	-	-	-	-
Raisen	IS	ONC	Protected cultivation technology	Protected Cultivation of Vegetable crops.	1	1	-	-	-	-	-	-	-	-
Raisen	IS	OFC	Integrated Pest Management	Integrated Pest Management	1	1	-	-	-	-	-	-	-	-
Raisen	IS	OFC	Integrated Disease Management	Integrated Disease Management	1	1	-	-	-	-	-	-	-	-
Raisen	IS	ONC	Women and Child care	Women and child care	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
Raisen	IS	ONC	Household food security	Household food security	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 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													
Income generation activities	Production of bio-agents, bio-pesticides,													
Income generation activities	Bio-fertilizers etc.													

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
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

Na me of KVK	Client (F &FW/F W/ RY/ IS)	Tit le	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Spo nso ring Age ncy	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	Production and value													

Na me of KVK	Client (F &FW/F W/ RY/ IS)	Tit le	Thematic area	Sub-theme	Training Title	Durat ion (days)	No. of cour ses	No. of Participants								Spo nso ring Age ncy	Fund received for training (Rs.)
								Gen		Othe rs		SC		ST			
								M	F	M	F	M	F	M	F		
			management	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)													
			Livestock and fisheries	Livestock production and management													
			Livestock and fisheries	Animal Nutrition Management													

Name of KVK	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		
			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

Name of KVK	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		

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)

Name of KVK	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/Are a expanded (ha)

6. EXTENSION ACTIVITIES

Name of the KVK	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			
Raisen	Advisory Services	65	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Animal Health Camp	2	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Awareness programme	2	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Celebration of important days	3	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Diagnostic visits	8	-	-	-	-	-	-	-	-	-	-	-	-

Name of the KVK	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
Raisen	Exhibition	2	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Exposure visits	2	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Extension Literature	30	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Ex-trainees Sammelan	2	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Farm advisory Services	4	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Farm Science Club conveners meet	2	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Farmers Seminar/Workshop	6	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Farmers visit to KVK	300	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Field Day	4	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Film Show	10	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Group meetings	8	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Interface	-	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Kharif/Rabi Sammelan	1	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Kisan Ghosthi	4	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Kisan Mela	2	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Krishi Gyan Doot meet	-	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Krishi Mahotsav	-	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Lectures delivered as resource persons	10	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Mahila Mandals conveners meetings	-	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Method Demonstrations	2	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Newspaper coverage	40	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Popular articles	25	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Pradhanmantri phasal beema yojana	1	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Radio talks	12	-	-	-	-	-	-	-	-	-	-	-	-

Name of the KVK	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			
Raisen	Scientific visit to farmers field	30	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Self Help Group conveners meetings	2	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Soil health Camp	2	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Soil test campaigns	2	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Summer deep ploughing campaigning	1	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Technology Week Celebration	1	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	TV talks	12	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Workshop	2	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Other (Soil Health Day celebration)	1	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Other (International Women's Day celebration)	1	-	-	-	-	-	-	-	-	-	-	-	-
Raisen	Other (Farm Women's Day celebration)	1	-	-	-	-	-	-	-	-	-	-	-	-

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.)				

10. 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.)
Raisen	January to March 2020	Q1	1000		
Raisen	April to June 2020	Q2	1000		
Raisen	July to September 2020	Q3	1000		
Raisen	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)
	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

Name of KVK	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.)
Raisen	Cereals	-	-	200 q	-	-	-
Raisen	Pulses	-	-	100 q	-	-	-
Raisen	Oilseed	-	-	100 q	-	-	-

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.)
Raisen	Vegetables	Onion	-	10000	-	-	-
Raisen	Vegetables	Brinjal	-	10000	-	-	-
Raisen	Vegetables	Tomato	-	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					
	Azolla					
	Earthworms					
	Compost					
	Blue green algae					
	NADEP					
	Sanjeewani Khad					
	Acetobactor					
	Aspergillus					

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
	Azotobactor					
	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					
	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						
	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		By Department	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	Mini Soil Testing kit	Soil testing laboratory		By KVK	By Department			Through Mini Soil Testing kit	Through 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)
Raisen	-	-	-	-	-

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/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

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)

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	

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)
Raisen	-	-	-	-	-	-

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
Raisen	21/03/2018	01/05/2008	6	-	-

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*
Raisen			
Raisen			

*Attached separate file.

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)

KV K	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					

KV K	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	Any Other (Specify)					
			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					
			Vaccination & Disease management					

KV K	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)					
	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

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.

*Attached separate File

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*

*Attached separate File

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	
1	KVK- Bhopal	Improved Technology and farm implements			
2	KVK- Sagar	Improved variety of seeds			

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

Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020
Raisen	29/04/2011	http://kvkraisenzpdvii.org/	60	-

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Raisen	2020	-	-	-

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 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			

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	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
Raisen		

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
ICM in Soybean	Soybean	2	-	-	5
ICM in Pigeonpea	Pigeonpea	2	-	-	5
ICM in Blackgram	Blackgram	2	-	-	5
ICM in Lentil	Lentil	2	-	-	5
ICM in Gram	Gram	2	-	-	5

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Kisan Sangosthi	28	-	2	30
Group Discussion	28	-	2	30
Field Day	28	-	2	30

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Kharif production technology	25	10	2	37
Rabi production technology	25	10	2	37

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

Raisen District Basic Information

Common service center (CSC)	770
Input dealers	566
CHC	87
No. of WhatsApp group	04 (600)
KMA Farmers	56450
Input Dealer (Seed)	64
Input Dealer (Fertilizer)	157
Input Dealer (Insecticide)	345
Total	566
Seed Societies	20
Functional FPOs	04

Action Plan for Migrant Labourers

Block	No. of Migrant Labourers
Sanchi	4291
Gairatganj	2345
Begamganj	-
Silwani	333
Udaipura	-

Block	No. of Migrant Labourers
Badi	3501
Obedullaganj	3736
Total	14206

Strategies for Migrant Labourers

Short term	Medium term	Long term
MANREGA work	Demonstration of Kharif & Rabi crop.	Skill based training.
Digging of pits		Mushroom production.
Road work at village level		Beekeeping
Water conservation structure work		Vermicompost preparation.

Proposed activities for Migrant Labourers

Landless labour	Poultry production, Mushroom production.
Marginal farmer	Nursery raising, Vermi-composting, Value addition of cereals, Value addition of Pulses.

Commodity based FPO's & Involved migrant workers

Name of Commodity	Commodity details
Wheat	Seed production (Production, Processing, Grading, Branding & Marketing).
Paddy	Seed production (Production, Processing, Grading, Branding & Marketing).

7. KVK Ratlam

Summary of the activities

KVK Name	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	
Ratlam	OFTs	13	275			
Ratlam	FLDs – Oilseeds (activity in ha)	5	10			
Ratlam	FLDs – Pulses (activity in ha)	5	10			
Ratlam	FLDs – Cotton (activity in ha)	-	-			
Ratlam	FLDs – Other than Oilseed and pulse crops(activity in ha)	30	80			
Ratlam	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	2	20			
Ratlam	Training-Farmers and farm women	49	980			
Ratlam	Training-Rural youths	5	75			
Ratlam	Training- Extension functionaries	6	90			
Ratlam	Extension Activities	1192				
Ratlam	Seed Production (Number of activity as seeds in quintal)	95				
Ratlam	Planting material ((Number of activity as quantity of planting material in quintal)	9400				
Ratlam	Seedling Production (Number of activity as number of seedlings in numbers)	3500				
Ratlam	Sapling Production (Number of activity as number of sapling in numbers)	-				
Ratlam	Other Bio- products (No. of quantity)	-				
Ratlam	Live stock products	-				
Ratlam	Activities of Soil and Water Testing Laboratory	-				
Ratlam	Rainwater Harvesting System	2	40			
Ratlam	Kisan Mobile Advisory (KVK-KMA)	52	42680			
Ratlam	SAC Meeting (Date & no. of core/ official members)	2	40			
Ratlam	Literature to be Developed/Published	32				
Ratlam	Convergence programmes / Sponsored programmes	-				

KVK Name	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	
Ratlam	Utilization of Farmers Hostel	-				
Ratlam	Utilization of Staff Quarters	-	6			
Ratlam	Details of KVK Agro-technological Park	-				
Ratlam	Crop Cafeteria-	-				
Ratlam	Farm Innovators- list of 10 farm innovators from the District	-				
Ratlam	Status of Revolving Funds	-				
Ratlam	Awards and Recognitions	-				
Ratlam	Case study / Success Story to be developed	2				
Ratlam	KVK Progressive Farmers interaction	2				
Ratlam	Outreach of KVK in the District (No. of blocks, no. of villages)	-	70			
Ratlam	Technology Demonstration under Tribal Sub Plan	-				
Ratlam	KVK Ring	-				
Ratlam	Important visitors to KVK	-				
Ratlam	Status of KVK Website	-				
Ratlam	Status of RTI	-				
Ratlam	E-connectivity	-				
Ratlam	Details of Technology Week Celebrations	44				
Ratlam	Interventions on Drought Mitigation	-				
Ratlam	Sansad Adarsh Gram	-				
Ratlam	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
Ratlam	16	1	1	6	4	3	2	6	5	16	12

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Ratlam	Sr. Scientist & Head	Dr. Sarvesh Tripathy	Sr. Scientist and Head	Ph.D.	Agril. Extension	37400-67000 G.P. 9000	46400	19.09.18	Others
Ratlam	SMS/ Scientist 1	Dr. Barkha Sharma	SMS	Ph.D.	Home Science	15600-39100 G.D. Rs. 5400	21000	14.09.18	Others
Ratlam	SMS/ Scientist 2	Dr. C.R. Kantwa	SMS	Ph.D.	Agronomy	15600-39100 G.D. Rs. 5400	21000	14.09.18	Others
Ratlam	SMS/ Scientist 3	Dr. Ramdhan Ghaswa	SMS	Ph.D.	Agril. Extension	15600-39100 G.D. Rs. 5400	21000	14.09.18	Others
Ratlam	SMS/ Scientist 4	Dr. R.S. Bhadauria	SMS	Ph.D.	Horticulture	15600-39100 G.D. Rs. 5400	21000	26.09.18	Others
Ratlam	SMS/ Scientist 5	Vacant	-	-	-	-	-	-	-
Ratlam	SMS/ Scientist 6	Vacant	-	-	-	-	-	-	-
Ratlam	Programme Assistant	Vacant	-	-	-	-	-	-	-
Ratlam	Farm Manager	Dr. D.R. Pachauri	Farm Manager	Ph.D.	Animal Husbandry	9300-34800 G.D. Rs. 4200	14320	18.03.14	Others
Ratlam	Computer Programmer	Manoj Kumar Rajak	PA	M.Sc. & PGDCA	Computer	9300-34800 G.D. Rs. 4200	20030	16.05.05	OBC
Ratlam	Accountant / superintendent	Anil Upadhyay		M.Com	-	9300-34800 G.D. Rs. 4200	16540	11.02.10	Others
Ratlam	Stenographer	Vacant	-	-	-	-	-	-	-

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Ratlam	Driver	Mata Prasad Sharma		12 th	-	5200 – 20200 G.D. Rs. 2000	12730	07.02.00	Others
Ratlam	Driver	Ghyanshyam		8 th	-	5200 – 20200 G.D. Rs. 2000	11700	01.02.00	OBC
Ratlam	Supporting staff, if any	Niranjan Nath		12 th	-	4400-7440 G.D. 1300	10020	07.02.00	OBC
Ratlam	Supporting staff, if any	Mukesh		8 th	-	4400-7440 G.D. 1300	9230	16.08.95	OBC

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
Ratlam	Malwa Plateau	6	1072	1454483	68%	195046 & 376565	152763

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)
Harthal	2020	Bajana	72	3387	1153
Bherughat	2020	Sailana	46	548	61
Jaamthun	2020	Ratlam	53	763	76
Kalaliya	2020	Jaora	20	3514	653
Roopnagar	2020	Jaora	22	460	71
Borda	2020	Jaora	15	1919	421
Nawabganj	2020	Piploda	30	691	172
Kharwakhurd	2020	Alot	55	1485	315

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Ratlam	Crop diversification and climate resilient technology.
Ratlam	Promotion for soil and water conservation – recharging tube well & dug well
Ratlam	Integrated nutrient and soil health management
Ratlam	Awareness for micro irrigation system and fertigation.
Ratlam	Integrated pest & disease management and need based use of insecticide and fungicide for the management of insect pest and disease of different crops.
Ratlam	Awareness and promotion of organic farming

KVK Name	THRUST AREA
Ratlam	Promotion of spices, vegetable, fruits, medicinal and floriculture.
Ratlam	Cross breeding, grading and selective breeding of dairy cattle with feed management.
Ratlam	Promotion of quality fodder production and availability of greens all the year round.
Ratlam	Promotion of improved farm implements to reduce labour cost input
Ratlam	Promotion of post harvest management and effective marketing specially for horticulture crop produce.
Ratlam	Promotion of farmers organization through self help group and kisan club.
Ratlam	Women empowerment and drudgery reduction.
Ratlam	Integrated Farming System (IFS)

1.5. PROBLEM IDENTIFIED by KVK

Problem identified	Methods of problem identification	Location Name of Village & Block
Low yield due to use of local (home grain) untreated / ungraded seed	Farmers interview / Diagnostic visit / Group Discussion	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Imbalance use of fertilizer, no use of bio-fertilizer (culture)	Farmers group discussion	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low yield due to incidence of insect pest disease, injudicious use of pesticides	Crop Seasonal study, survey and group discussion	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Farmers grow crop in the same field every year and sole crop traditionally	Farmers discussion and interview	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low yield due to depletion of nutrient in soil, lack of harms and organic matter indiscriminate use of chemicals	By study of soil testing report and soil survey	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low yield due lack of knowledge for fruits and vegetable cultivation	Farmers group discussion and Field visit	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low production due to disease incidence and out break	Seasonality study, survey and group discussion	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low production due to imbalance of poor quality under feeding of live stock	PRA/ Farmers group discussion and Field visit	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Infertility, delayed estrous, long calving interval of repeat breeding	A.H. Camp, Group discussion & diagnostic visit	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low production due poor management in goats	Farmers group discussion and Field visit	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low production due to poor health and care management	A.H. Camp, Group discussion & diagnostic visit	Ratlam, Jaora, Piploda, Alot,

		Sailana, Bajana
lack of knowledge awareness regarding nutrient food, hygiene and health	Women's meeting, Group discussion & visit	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Lack of knowledge & awareness among farmers to work in group	Self Help Group Meeting / Group discussion	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana

2. On Farm Testing (OFT)

Thematic Areas for OFT/FLD

Thematic Areas for OFT/FLD	Parameters Name and unit
OFT/FLD on Crops	
Agro Forestry	Yield q/ha
Crop Diversification	insect population/plant
Integrated Crop Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod
Integrated Farming system	Rhizome wt/Plant(g)
Integrated Disease Management	Disease incidence (%)
Integrated Nutrient Management	No of effective tillers/hill
Integrated Weed Management	No of weeds/m ²
Varietal Evaluation	Plant Height(cm), No of pods/plant, No of Siliquae/plant, No. of Grain / pod, Fruit wt(g)
Integrated Pest Management	Insect Infestation (%), No. of Larvae or insect / meter row length
Integrated Plant Nutrient Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod Fruit Length(cm) , Fruit wt(g), No of nodules/plant
Feed and Fodder Production	Fruit Length(cm) ,
Resource conservation Technology	Plant Height(cm),
Soil Fertility Management	No of Cobs/plant
	No of Larvae/m ²
	No of Panicles/m ²
	No of Tillers/hills
	No of Bulb weight(g)
	No of Grains/panical
	No. of tubers/plant
	Weight of Curd/head (g/plant)

Thematic Areas for OFT/FLD	Parameters Name and unit
	No. of Siliquae or Capsule /plant
	Seedling Germination (%)
OFT/FLD on Agriculture Engineering	
Farm Mechanization	Yield (q/ha)
Resource Conservation Technology	Field Capacity (ha/hr)
Post-Harvest Management	Cleaning efficiency %
Storage loss minimization Technology	Cleaning Capacity q/hr
Small Farm Implements	weed population per m2
	tillers/plant
	water inefficiency
	irrigation efficiency
OFT/FLD on Animal Science	
Animal Feed / Fodder Management	Milk yield (Lit/day/animal)
Animal Disease Management	Change in body weight(kg)
Animal Nutrition Management	Egg Production/bird/year
Livestock production & management	% decrease in Worm
Animal breed evaluation	Parasite control (%)
Poultry Production and management	Body weight at 6 month (kg/goat)
	Parasite infestation (%)
	Live weight (kg/bird) at 3 Month
	Growth Rate (90 days)
	Yield q/ha (Fodder)
	Mortality %
	Feed intake(%)
	Disease infestation(%)
OFT/FLD on Fisheries	
Fingerling Production in Seasonal Ponds	Yield (q/ha)
Composite Fish Farming	Yield (q/ha), ABW (kg)
Fish Nutrition	Survival Rate (%)
Fish-cum-Duck Farming	Disease incidence (%)
Fish Production & Management	

Thematic Areas for OFT/FLD	Parameters Name and unit
Fish Breeding	
Fish Seed Production	
Spawn to fry production	
Integrated Farming System	

2.1 Information about OFT:

Information about OFT: 1

Title of on-farm trial:	Assessment of wheat variety HI-1605
Year/Season:	2020 / Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to limited irrigation
Thematic area:	Varietal Evaluation
No of trials:	07
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers practice (Lok-1)
T2 –Recommended Practice-	DBW-110 + RDF + seed treatment + culture + Need base pesticide
T3- Recommended Practice-	HI- 1605 + RDF + seed treatment + culture + Need base pesticide
Date of sowing:	
Date of harvesting:	
Source of technology:	ICAR – Wheat Regional Station, Indore
Characteristics of technology:	Limited irrigation with high yielding variety
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)
T ₁ (Farmers Practice)						
T ₂ (Recommended Practice)						
T ₃ (Recommended Practice)						

Information about OFT: 2

Title of on-farm trial:	Assessment of wheat production technology in soybean – wheat cropping system.
Year/Season:	2020 / Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of wheat due to use of local variety Lok-1
Thematic area:	Crop Production
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T ₁ – Farmers Practice-	FP Lok-1
T ₂ –Recommended Practice-	Variety Pusa Tejas [HI 8759]; Sowing With FIRB, RDF 120:60:30:5 (NPKZn), Seed treatment with azotobactor, PSB culture, weed management through mesosulfuron + iodosulfuron @ 14.4 g/ha or clodinofof + metsulfuron 64 g/ha, Harvesting through reaper cum binder.
T ₃ - Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	ICAR – Wheat Regional Station, Indore
Characteristics of technology:	High Yielding variety
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)
T ₁ (Farmers Practice)						
T ₂ (Recommended Practice)						
T ₃ (Recommended Practice)						

Information about OFT: 3

Title of on-farm trial:	Assessment of soybean variety JS 20-34
Year/Season:	2020/Kharif
Farming situation:	Rainfed
Problem diagnosis:	Low yield of soybean due to use of local variety
Thematic area:	Varietal Evaluation
No of trials:	07
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers practice (JS 95-60)
T2 –Recommended Practice-	Medium duration variety JS 20-98 + RDF + seed treatment + culture + Need base pesticide
T3- Recommended Practice-	short duration variety JS 20-34 + RDF + seed treatment + culture + Need base
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Short Duration High Yielding 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)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Information about OFT: 4

Title of on-farm trial:	Assessment of soybean production technology for higher productivity in soybean - chickpea cropping system
Year/Season:	2020/Kharif
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to old var. JS 9560 & aberrations in weather
Thematic area:	Cropping system
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 JS 95-60@ 80 kg/ha
T2 –Recommended Practice-	Soybean variety JS 20-69/RVS 2001-4: Sowing With FIRB, RDF 25:60:40:20 (NPKS), Seed treatment with rhizobium culture, PSB culture, Thiomethoxam 30 %FS @10ml/kg seed weed management through Diclosulam; Spray of rynaxypyr 100 ml /ha, Yellow stricky traps 20/ha + Spray Thiamethoxam 25%WG @100ml/ha
Date of sowing:	
Date of harvesting:	
Source of technology:	RVSKVV, Gwalior
Characteristics of technology:	High Yielding 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)						
T2(Recommended Practice)						

Information about OFT: 5

Title of on-farm trial:	Assessment of Fenugreek cv. A.Fg-5
Year/Season:	2020 / Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to use of old cv.
Thematic area:	Varietal Evaluation
No of trials:	7
No. of farmers involved	7
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Local unknown
T2 –Recommended Practice-	A.Fg. - 3
T3- Recommended Practice-	A.Fg. - 5
Date of sowing:	
Date of harvesting:	
Source of technology:	
Characteristics of technology:	High Yielding variety
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)						
T2(Recommended Practice)						
T3(Recommended Practice)						

Information about OFT: 6

Title of on-farm trial:	Assessment of onion variety NHRDF Red - 3
Year/Season:	2020 / Rabi
Farming situation:	Irrigated
Problem diagnosis:	Do not use to improved cv. Of onion
Thematic area:	Varietal Evaluation
No of trials:	7
No. of farmers involved	7
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Local
T2 –Recommended Practice-	AFLR
T3- Recommended Practice-	NHRDF – Red 3
Date of sowing:	
Date of harvesting:	
Source of technology:	
Characteristics of technology:	NHRDF Red 3 : Bulbs are light bronze in colour, globular round shape, thin neck and 5.5-6.0 cm in diameter. Bulb matures in 120-130 days after transplanting. Keeping quality is good. Total soluble solid (12-13%), dry matter (13-14%) and pyruvic acid 12.50 micro mole/g
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: 7

Title of on-farm trial:	Assessment of Tomato hybrid variety.
Year/Season:	2020 / Kharif
Farming situation:	Irrigated / Rainy
Problem diagnosis:	Low yield due to Local cultivar
Thematic area:	Varietal Evaluation
No of trials:	7
No. of farmers involved	7
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Local
T2 –Recommended Practice-	Arka Samrat
T3- Recommended Practice-	Arka Rakshak
Date of sowing:	
Date of harvesting:	
Source of technology:	
Characteristics of technology:	High Yielding variety
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: 8

Title of on-farm trial:	Assessment of onion variety (Bhima Super).
Year/Season:	2020 / Kharif
Farming situation:	Irrigated / Rainy
Problem diagnosis:	Low production due to use of local variety
Thematic area:	Varietal Evaluation
No of trials:	7
No. of farmers involved	7
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Local
T2 –Recommended Practice-	Bhima Dark Red
T3- Recommended Practice-	Bhima Super
Date of sowing:	
Date of harvesting:	
Source of technology:	
Characteristics of technology:	average yield of 20 - 22 t/ha in <i>kharif</i> and 40 - 45 t/ha in late <i>kharif</i> . Bulbs attain maturity within 100-105 days after transplanting (DAT) in <i>kharif</i> and 110 -120 DAT in late <i>kharif</i> . It produces mostly single centered bulbs.
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: 9

Title of on-farm trial:	Assessment of concentrate and Mineral Mixture for increasing milk
Year/Season:	2020 / Rabi
Farming situation:	-
Problem diagnosis:	Low yield due to farmer use only Green Fodder+ Dry Fodder + Cake (No mineral mixture)
Thematic area:	Livestock production & management
No of trials:	7
No. of farmers involved	7
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Green Fodder+ Dry Fodder + Cake (No mineral mixture)
T2 –Recommended Practice-	Green Fodder+ Dry Fodder + Mineral mixture + De-worming
T3- Recommended Practice-	Green Fodder+ Dry Fodder + Mineral mixture + De-worming + Concentrate as per milk production
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: 1

Title	Study on ICT tools – Social media (What's app) in Dissemination of Agricultural Messages
Season & Year	2020
Problem identified	• Lack of timely dissemination of agricultural messages • Lack of timely available solution of the problems • Unawareness about agricultural related news and events • Lack of interaction of farmers with agricultural scientists and experts.
Thematic Area	Capacity Building
Farming situation	
Name of Technology under study	Selection of the What's app Farmer's Through KMA, During KVK Visit, During Farmer's Field Visit
Farmers Practice	-
No. of replication (Farmers)	96

Results / findings

Performance indicators/ parameters	Unit/ details
• Knowledge level. • Extent of utilization. • Extent to dissemination & Timeliness	

Extension OFT: 2

Title	Study on Knowledge, adoption & constraints faced by farmers about Soil health card based fertilizer Application in Ratlam District.
Season & Year	2020
Problem identified	According to severity and importance following priorities of problems were taken out with consultation of farmers:

	• Lack of knowledge about STV based fertilizer application • Injudicious use of fertilizer • Low productivity of the district due to unawareness of soil testing. • Lack of interaction of farmers with agri. Scientists and experts.
Thematic Area	Capacity Building
Farming situation	
Name of Technology under study	• To study the knowledge level of the farmers towards soil health card based fertiliser application • To study the adoption level of the farmers towards soil health card based fertiliser application • To study the constraints faced by the farmers towards soil health card based fertiliser application
Farmers Practice	-
No. of replication (Farmers)	72

Results / findings

Performance indicators/ parameters	Unit/ details
• Knowledge level. • Adoption constraints.	

2.3. Information about Home Science OFT:

Title of on-farm trial:	Assessment of prevalence of Anemia Among rural adolescent girls.
Year/Season:	2020/ Rabi
Problem diagnosis:	(i) Low iron content in diet. (ii) Use of traditional diet. (iii) Lack of knowledge about nutritional foods (iv) Prevalence of infectious diseases (v) Poor socio economics conditions
Thematic area:	Nutritional Security
No of trials:	21
No. of farmers/farm women involved	21
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	existing dietary pattern

Title of on-farm trial:	Assessment of prevalence of Anemia Among rural adolescent girls.
T2 –Recommended Practice-	Iron tablet / day with existing dietary pattern
T3 -	Iron tablet / day + 50 gm roasted soybean + 100 gm rice flakes / day with existing dietary pattern
Source of technology:	
Characteristics of technology:	
Name of Crop/Enterprises:	Enterprises
Farming situation:	-
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Title of on-farm trial:	Assessment of Bio fortified wheat variety for Nutritional security
Year/Season:	2020/Rabi
Farming situation:	Irrigated
Problem diagnosis:	Malnutrition among farm families due to low nutrient diet.
Thematic area:	Nutritional security
No of trials:	07
No. of farmers involved	07
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Local variety
T2 –Recommended Practice-	Pusa Tejas
T3- Recommended Practice-	WB2
Date of sowing:	-
Date of harvesting:	-

Title of on-farm trial:	Assessment of Bio fortified wheat variety for Nutritional security
Source of technology:	ICAR-Indian Agricultural Research Institute (IARI), Regional Station, Indore, M.P ICAR-Indian Institute of Wheat and Barley Research, Karnal, Haryana.
Characteristics of technology:	Pusa Tejas(HI 8759)- Fe (42.1 ppm) and Zn (42.8 ppm) variety with 12% protein WB2- High Zn (42 ppm) and Fe (40 ppm) variety with 12.4% protein
Name of Crop/Enterprises:	Wheat
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)

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

KVK Name	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
Ratlam	2020	Rabi	Crop Production	HYV (JG-14)+ RDF + seed treatment + culture + Need base pesticide	Pulse	Chickpea	JG-14	Irrigated		5.0								10

KVK Name	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
Ratlam	2020	Rabi	Crop Production	HYV (GW - 451) + RDF + seed treatment + culture + Need base pesticide	Cereal	Wheat	GW - 451	Irrigated		5.0								10
Ratlam	2020	Rabi	Crop Production	Varietal Evaluation	Horticulture – Seed Spices	Nigella	A.N.-1	Irrigated		5.0								10
Ratlam	2020	Rabi	Crop Production	Varietal Evaluation	Horticulture – Seed Spices	Ajwain	A.A.-2	Irrigated		5.0								10
Ratlam	2020	Kharif	Crop Production	HYV (RVS 2001-4) + RDF + seed treatment + culture + Need base pesticide	Oilseed	Soybean	RVS 2001-04	Rainfed		5.0								10

KVK Name	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
Ratlam	2020	Kharif	Crop Production	HYV (DKC – 9133) + RDF + seed treatment + culture + Need base pesticide	Cereal	Maize	DKC-9133	Rainfed		5.0								10
Ratlam	2020	Kharif	Crop Production	Varietal Evaluation	Horticulture – Floriculture	Marigold	Pusa Bahar	Irrigated / Rainy		5.0								10
Ratlam	2020	Kharif	Crop Production	Varietal Evaluation	Horticulture – Seed Spices	Chilli	Kashi Anomol	Irrigated / Rainy		5.0								10

3.2 Economic Impact of Crop FLD

KVK Name	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

KVK Name	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

KVK Name	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)

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

KVK Name	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
Ratlam	2019	Rabi	Livestock Production	Naval treatment, Feeding	Enterprise	Goat	Local											10

KVK Name	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
			on Management	colostrum, De-worming, Vitamin & mineral supplement , Antibiotics / Cocidiostat, Timely Vaccination, Hygiene & Cleanness.														

3.6 Economic Impact of Animal Science FLD

KVK Name	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)
Ratlam													

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

KVK Name	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
Ratlam																		

3.8 Economic Impact of fishery FLD

KVK Name	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)

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

KVK Name	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	Others	General	Total
Ratlam	2020	Khari f	Nutritional Security	Bio fortified Variety	Maize	Pratap QPM-1	2.5								
Ratlam	2020	Khari f	Nutritional Security	Round the year fruit & vegetables production	Nutritional Garden	Mini kit of vegetables seeds									
Ratlam	2020	Rabi	Income generation	Balance feed+mineral mixture+vaccination+deworming	Enterprises	Goatry	10								

KVK Name	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	Others	General	Total
Ratlam	2020	Rabi	Nutritional Security	HYV (HI 86-63 Poshan) Naturally bio fortified food, Dual Purpose, β -carotene, high hectoliter weight, higher protein content and high level of micro nutrient.	Wheat	Wheat HI-8663 (POSHAN)	2.5								

Economic Performance Home Science FLD: (Drudgery Reduction)

KVK name	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)

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

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

Economic Performance Home Science FLD: (For Nutritional security)

KVK name	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
Ratlam																			

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Ratlam					

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	Ratlam					

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
Ratlam				

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Ratlam	

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)	Training Type (ON C/O FC)	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	OFF	Crop Production	Weed Management	Weed Management in kharif crops	1	2								
F&FW	OFF	Crop Production	Weed Management	Weed Management in Rabi crops	1	2								
		Crop Production	Resource Conservation											

Category (F & F W/ FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No . of Co urs es	Dur ati on (Da ys)	Participants							
							Ge n		SC		ST		Othe rs	
							M	F	M	F	M	F	M	F
			Technologies											
F&F W	On	Crop Production	Cropping Systems	Mustard Production Technology	1	3								
		Crop Production	Crop Diversification											
		Crop Production	Integrated Farming											
		Crop Production	Micro irrigation/irrigation											
F&F W	On	Crop Production	Seed production	Recommended varieties of kharif crops	2	6								
F&F W	On	Crop Production	Seed production	Seed production technology	1	3								
		Crop Production	Nursery management											
		Crop Production	Integrated Crop Management											
		Crop Production	Soil & water conservation											
		Crop Production	Integrated nutrient Management											
F&F W	OFF	Crop Production	Production of organic inputs	Training on organic farming	1	2								
F&F W	OFF	Crop Production	Production of organic inputs	Organic farming and its role in sustainable agriculture										
F&F W	OFF	Crop Production	Production of organic inputs	Organic farming	1	2								
F&F W	OFF	Crop Production	Others(Pl. Specify)	Post harvesting technologies of Rabi crps	4	8								
F&F	OFF	Horticulture	Production of low volume	HI-Tech production technology of vegetable crops	1	2								

Category (F & F W/ FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
W		(Vegetable Crops)	and high value crops	sweet peppers										
F&F W		Horticulture (Vegetable Crops)	Production of low volume and high value crops											
F&F W		Horticulture (Vegetable Crops)	Production of low volume and high value crops											
F&F W	Off	Horticulture (Vegetable Crops)	Production of low volume and high value crops	How to improve vegetable fruit quality in Ratlam district.	1	2								
F&F W	Off	Horticulture (Vegetable Crops)	Off season vegetables	Summer cultivation of cucurbits for more income	1	2								
		Horticulture (Vegetable Crops)	Nursery raising											
F&F W	On	Horticulture (Vegetable Crops)	Exotic vegetables	Winter cultivation of marigold flower	1	3								
		Horticulture (Vegetable Crops)	Export potential vegetables											
		Horticulture (Vegetable Crops)	Grading and standardization											
F&F W	On	Horticulture (Vegetable Crops)	Protective cultivation	Cultivation of cucumber in poly house	1	3								
		Horticulture (Vegetable Crops)	Others(Pl. Specify)											
F&F W	On	Horticulture (Fruits)	Training and Pruning	Suitable time and methods of pruning in ber plants	1	3								
F&F W	Off	Horticulture (Fruits)	Layout and Management of Orchards	How to layout plan for a new orchard for quality fruit production	1	2								
		Horticulture	Cultivation of Fruit											

Category (F & FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		(Fruits)												
		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	Others (Pl. Specify)											

Category (F & F W/ FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		(Ornamental Plants)												
		Horticulture(Plantation crops)	Production and Management technology											
F&F W	On	Horticulture(Plantation crops)	Processing and value addition	Processing Techniques on ginger crops	1	3								
F&F W	Off	Horticulture(Plantation crops)	Others (Pl. Specify)	How to save your fruits against to warm season	1	2								
		Horticulture(Tuber crops)	Production and Management technology											
		Horticulture(Tuber crops)	Processing and value addition											
		Horticulture(Tuber crops)	Others (Pl. Specify)											
F&F W	Off	Horticulture(Spices)	Production and Management technology	Quality improvement of onion and garlic	1	2								
		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											

Category (F & FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		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											
		Soil Health and Fertility Management	Micro nutrient deficiency in crops											
		Soil Health and Fertility	Nutrient Use Efficiency											

Category (F & F W/ FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Management												
		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)											
F&F W	On	Livestock Production and Management	Dairy Management	Training on Livestock Production and Management	1	3								
F&F W	Off	Livestock Production and Management	Dairy Management	Role of A.I. in breed improvement and heat detection in cross bed animals	1	2								
		Livestock Production and Management	Poultry Management											
		Livestock Production and Management	Piggery Management											
		Livestock	Rabbit Management											

Category (F & F W/ FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No . of Co urses	Dur ation (Da ys)	Participants							
							Gen		SC		ST		Othe rs	
							M	F	M	F	M	F	M	F
		Production and Management												
F&F W	On	Livestock Production and Management	Animal Nutrition Management	Azola culture production and feeding in live stocks for increasing production	1	3								
F&F W	Off	Livestock Production and Management	Disease Management	Significance of proper and timely vaccination, deworming and first aid treatment of diseases / disorder in farm animals	1	2								
F&F W	On	Livestock Production and Management	Feed & fodder technologies	Low cost balance feed ration preparation from local available agricultural bio products and residues.	1	3								
F&F W	Off	Livestock Production and Management	Feed & fodder technologies	All the year round green fodder production	1	2								
FW	Off	Livestock Production and Management	Production of quality animal products	Clean milking for quality milk production	1									
FW	Off	Livestock Production and Management	Production of quality animal products	Precautions during pre-parturition, parturition, post partition and calf management in dairy animals.	1									
F&F W	On	Livestock Production and Management	Others (Pl. Specify)	Different composting methods for proper utilization of cow dung, urine and straw waste.	1	3								
F&F W	Off	Livestock Production and	Others (Pl. Specify)	Goatry farming for economical and nutritional security in rural areas	1	2								

Category (F & FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Management												
FW	Off	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Cultivation of coloured vegetables and fruits for supplementing additional vitamin and minerals in daily diet.	1	2								
FW	Off	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Importance of Fruits and Vegetables in daily diet	1	2								
FW	Off	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening											
FW	On	Home Science/Women empowerment	Design and development of low/minimum cost diet	Design and development of low cost and high nutritive diet based on seasonal availability of food stuffs for farm family.	1	3								
FW	On	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Health care and balance diet for pre school childrens	1	3								
FW	On	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Nutritious diest for pregnant and lactating mothers	1	3								
FW	Off	Home Science/Women empowerment	Minimization of nutrient loss in processing											
FW	On	Home Science/Women empowerment	Processing & cooking											
		Home	Gender mainstreaming											

Category (F & F W/ FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No . of Co urses	Dur ation (Da ys)	Participants							
							Gen		SC		ST		Othe rs	
							M	F	M	F	M	F	M	F
		Science/Women empowerment	through SHGs											
FW	Off	Home Science/Women empowerment	Storage loss minimization techniques	Low cost technologies for minimizing storage losses	1	2								
FW	Off	Home Science/Women empowerment	Storage loss minimization techniques											
FW	On	Home Science/Women empowerment	Value addition	Value addition to cereals incorporating seasonal green leafy vegetables to develop low cost nutrient recipes	1	3								
FW	On	Home Science/Women empowerment	Value addition	Fruit preservation and value addition for seasonal fruits	1	3								
		Home Science/Women empowerment	Women empowerment											
FW	Off	Home Science/Women empowerment	Location specific drudgery reduction technologies	Use of time and energy saving equipment in agricultural works	1	2								
		Home Science/Women empowerment	Rural Crafts											
FW	Off	Home Science/Women empowerment	Women and child care	Personal, hygiene and health promotion tools for use in prevention of malnutrition	1	2								

Category (F & FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW	Off	Home Science/Women empowerment	Women and child care	Importance of vaccination and de-worming in childrens.	1	2								
FW	Off	Home Science/Women empowerment	Women and child care	Nutritional awareness to prevent anemia in adolescent girl/womens.										
		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 Pest Management											

Category (F & FW)	Training Type (ON C/O FC)	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	Integrated Disease Management											
		Plant Protection	Biocontrol of pests and diseases											
		Plant Protection	Production of bio control agents 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											

Category (F & FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		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											
		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 of Input at site	Production of Fish feed											
		Production of	Mushroom production											

Category (F & FW)	Training Type (ON C/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
		Input at site												
		Production of Input at site	Apiculture											
		Production of Input at site	Others (Pl. Specify)											
FW	Off	Capacity Building and Group Dynamics	Leadership development	Leadership its meaning and role for agriculture development.	1	2								
FW	Off	Capacity Building and Group Dynamics	Group dynamics	Role of PKVY	1	2								
FW	On	Capacity Building and Group Dynamics	Group dynamics	Different state centralized govt. scheme PMFBY	1	3								
FW	Off	Capacity Building and Group Dynamics	Formation and Management of SHGs	Role of Self help group CFIG (Farmers Club)	1	2								
FW	On	Capacity Building and Group Dynamics	Mobilization of social capital	Importance and use of different agricultural mobile apps for agricultural development	1	3								
FW	Off	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths	Different technological intervention and its importance for doubling income of the farmers.	1	2								
		Capacity Building and Group Dynamics	WTO and IPR issues											

Category (F & FW)	Training Type (ONC/OF)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW	Off	Capacity Building and Group Dynamics	Others (Pl. Specify)	Central Sponsored scheme like PMFBY, PSSY	1	2								
FW	Off	Capacity Building and Group Dynamics	Others (Pl. Specify)	Awareness about new innovation	1	2								
		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

Name of KVK	Category (RY)	Training Type (ONC/OF)	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
Ratlam	RY	ON	Nursery Management of Horticulture crops											
Ratlam	RY	ON	Nursery Management of Horticulture crops											
Ratlam	RY	ON	Training and pruning of orchards											
Ratlam	RY	ON	Protected cultivation of vegetable crops											

Name of KVK	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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ratlam	RY	ON	Commercial fruit production											
Ratlam	RY	ON	Integrated farming											
Ratlam	RY	ON	Seed production	Integrated farming system for higher sustainability and productivity	1	5								
Ratlam	RY	ON	Production of organic inputs											
Ratlam	RY	ON	Planting material production	Increase your income by healthy nursery sapling	1	6								
Ratlam	RY	ON	Vermi culture											
Ratlam	RY	ON	Mushroom Production											
Ratlam	RY	ON	Bee keeping											
Ratlam	RY	ON	Sericulture											
Ratla	RY	ON	Repair and maintenance of farm machinery and											

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
m			implements											
Ratlam	RY	ON	Value addition	Preparation of different value added product for fruit and vegetables.	1	5								
Ratlam	RY	ON	Small scale processing											
Ratlam	RY	ON	Post Harvest Technology											
Ratlam	RY	ON	Tailoring and Stitching											
Ratlam	RY	ON	Rural Crafts											
Ratlam	RY	ON	Production of quality animal products											
Ratlam	RY	ON	Dairying											
Ratlam	RY	ON	Sheep and goat rearing	Goat rearing and backyard poultry farming for income generation	1	7								
Ratlam	RY	ON	Quail farming											

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
Ratlam	RY	ON	Piggery											
Ratlam	RY	ON	Rabbit farming											
Ratlam	RY	ON	Poultry production											
Ratlam	RY	ON	Ornamental fisheries											
Ratlam	RY	ON	Composite fish culture											
Ratlam	RY	ON	Freshwater prawn culture											
Ratlam	RY	ON	Shrimp farming											
Ratlam	RY	ON	Pearl culture											
Ratlam	RY	ON	Cold water fisheries											
Ratlam	RY	ON	Fish harvest and processing technology											
Ratlam	RY	ON	Fry and fingerling rearing											
Ratlam	RY	ON	Others(Pl. Specify)	Entrepreneurs hip development for farmers	1	5								

Name of KVK	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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
				and rural youth in Rural development										

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

Category (IS)	Training Type (ONC/OF C)	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	ON	Productivity enhancement in field crops	Wheat Production Technology	1	2								
IS	ON	Productivity enhancement in field crops	Recommended variety , production technology of <i>Rabi</i> crops	1	2								
IS	ON	Productivity enhancement in field crops	Quality improvement in Onion and Garlic crops.	1	2								
IS	ON	Integrated Pest Management											
IS	ON	Integrated Nutrient management											
IS	ON	Rejuvenation of old orchards											
IS	ON	Protected cultivation technology											
IS	ON	Production and use of organic inputs											
IS	ON	Care and maintenance of farm machinery and implements											

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	ON	Gender mainstreaming through SHGs											
IS	ON	Formation and Management of SHGs											
IS	ON	Women and Child care	Use of locally available nutrition rich food resources for improving dietary diversity of farm families	1	2								
IS	ON	Low cost and nutrient efficient diet designing											
IS	ON	Group Dynamics and farmers organization											
IS	ON	Information networking among farmers											
IS	ON	Capacity building for ICT application	Entrepreneurship development through dairy farming for rural youth.	1	2								
IS	ON	Management in farm animals											
IS	ON	Livestock feed and fodder production	Preparation of UMMB for feeding during summer season when green is not available to sustain milk production.	1	2								
IS	ON	Household food security											
IS	ON	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 Thru st 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)	Integrated farming system for higher sustainability and productivity			1	5								
Post harvest technology and value addition	Value addition	Preparation of different value added product for fruit and vegetables.			1	5								
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	Goat rearing and backyard poultry farming for income generation	Goat ry		1	7								

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thru st 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	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													
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.	Increase your income by healthy nursery sapling			1	5								
Income generation	Tailoring, stitching,													

Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thru st Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
activities	embroidery, dying etc.													
Income generation activities	Agril. para0workers, para0vet training													
Income generation activities	Others(Pl. Specify)													
Agricultural Extension	Capacity building and group dynamics	Entrepreneurship development for farmers and rural youth in Rural development	Enterprise		1	6								
Agricultural Extension	Others(Pl. Specify)													

Table 5.5. Sponsored Training Programmes

Name of KVK	Client (F &FW/F W/ RY/ IS)	Tit le	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		
Ratlam			Crop production and management	Increasing production and productivity of crops													
Ratlam			Crop production and management	Commercial production of vegetables													
Ratlam			Crop production and management	Production and value addition													
Ratlam			Crop production and	Fruit Plants													

Name of KVK	Client (F &FW/F W/ RY/ IS)	Tit le	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		
			management														
Ratlam			Crop production and management	Ornamental plants													
Ratlam			Crop production and management	Spices crops													
Ratlam			Crop production and management	Soil health and fertility management													
Ratlam			Crop production and management	Production of Inputs at site													
Ratlam			Crop production and management	Methods of protective cultivation													
Ratlam			Crop production and management	Others(Pl. Specify)													
Ratlam			Post harvest technology and value addition	Processing and value addition													
Ratlam			Post harvest technology and value addition	Others(Pl. Specify)													
Ratlam			Farm machinery	Farm machinery, tools and implements													
Ratlam			Farm machinery	Others(Pl. Specify)													
Ratlam			Livestock and fisheries	Livestock production and management													
Ratlam			Livestock and fisheries	Animal Nutrition Management													

Name of KVK	Client (F &FW/F W/ RY/ IS)	Tit le	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		
Ratlam			Livestock and fisheries	Animal Disease Management													
Ratlam			Livestock and fisheries	Fisheries Nutrition													
Ratlam			Livestock and fisheries	Fisheries Management													
Ratlam			Livestock and fisheries	Others(Pl. Specify)													
Ratlam			Home Science	Household nutritional security													
Ratlam			Home Science	Economic empowerment of women													
Ratlam			Home Science	Drudgery reduction of women													
Ratlam			Home Science	Others(Pl. Specify)													
Ratlam			Agricultural Extension	Capacity Building and Group Dynamics													
Ratlam			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	
Ratlam					

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

Name of KVK	Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsori ng Agency	Fund received for training (Rs.)
							Gen		Other s		SC		ST			
							M	F	M	F	M	F	M	F		
Ratlam																

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-2019	
	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)

Name of KVK	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)
Ratlam											

6. EXTENSION ACTIVITIES

Name of the KVK	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			
Ratlam	Agri mobile clinic													
Ratlam	Animal Health Camp	4												
Ratlam	Awareness programme	1												
Ratlam	Celebration of important days	6												
Ratlam	Diagnostic visits	55												
Ratlam	Exhibition	1												
Ratlam	Exposure visits	1												
Ratlam	Ex-trainees Sammelan	4												
Ratlam	Farm advisory Services	1												
Ratlam	Farmers visit to KVK	850												

Name of the KVK	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			
Ratlam	Field Day	10												
Ratlam	Group meetings	4												
Ratlam	Kisan Ghosthi/Sammelan	1												
Ratlam	Kisan Mela	1												
Ratlam	Krishi Mahotsav	-												
Ratlam	Lectures delivered as resource persons	80												
Ratlam	Mahila Mandals conveners meetings	-												
Ratlam	Method Demonstrations	-												
Ratlam	Pradhanmantri phasal beema yojana	-												
Ratlam	Scientific visit to farmers field	60												
Ratlam	Self Help Group conveners meetings	2												
Ratlam	Soil health Camp	4												
Ratlam	Soil test campaigns	-												
Ratlam	Technology Week	2												
Ratlam	Radio talks	12												
Ratlam	Extension literature	25												
Ratlam	TV talks	18												
Ratlam	Newspaper coverage	25												
Ratlam	Film Show	20												
Ratlam	Others	5												

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.)				

11. 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.
Ratlam	January to March 2020	Q1	500	500	
Ratlam	April to June 2020	Q2	500	500	
Ratlam	July to September 2020	Q3	500	500	
Ratlam	October to December 2020	Q4	500	500	

7.2 Literature developed/published

KVK Name	Type	Number of copies (please don't give mass please fill number only)
Ratlam	Abstract	
Ratlam	Book	
Ratlam	Book Chapter	2
Ratlam	Booklet	
Ratlam	Leaflets/ Folder/ Pamphlet	15
Ratlam	Popular article	10
Ratlam	Technical Bulletin	
Ratlam	Training Manual	
Ratlam	Technical Report	
Ratlam	Year Planner	1
Ratlam	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

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.)
Ratlam	Cereals	Wheat	DBW-110	10			
Ratlam	Cereals	Wheat	HI-1605	20			
Ratlam	Cereals	Maize	DKC – 9133	10			
Ratlam	Pulses	Gram	JG-14	15			
Ratlam	Pulses	Gram	RV - 202	10			
Ratlam	Oilseed	Mustard	NRC DR – 2	10			
Ratlam	Oilseed	Soybean	RVS 2001-4	10			
Ratlam	Oilseed	Soybean	JS – 2029	10			

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.)
Ratlam	Spice	Onion	AFLR, Bhima Super, Bhima Subhra	1500	-	-	-
Ratlam	Vegetable	Tomato	Hybrid	1000	-	-	-
Ratlam	Spice	Chilli	Hybrid	1000	-	-	-
Ratlam	Fruit	Mango grafted	Langda, Dussheri, Amrapali, Kesar	100	-	-	-

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Ratlam	Fruit	Mango Desi	Desi	1000	-	-	-
Ratlam	Fruit	Lemon	Kagzi lemon	500	-	-	-
Ratlam	Fruit	Guava	Allhabadi Safeda	500	-	-	-
Ratlam	Fruit	Karonda	Desi	500	-	-	-
Ratlam	Fruit	Jackfruit	Desi	1000	-	-	-
Ratlam	Fruit	Aonla	Desi	100	-	-	-
Ratlam	Forestry	Ashok	Desi	750	-	-	-
Ratlam	Forestry	Tikoma	Desi	500	-	-	-
Ratlam	Forestry	Cassia sama	Desi	100	-	-	-
Ratlam	Forestry	Sesum	Desi	500	-	-	-
Ratlam	Forestry	Neem	Desi	500	-	-	-
Ratlam	Forestry	Bamboo	Desi	200	-	-	-
Ratlam	Forestry	Karanj	Desi	500	-	-	-
Ratlam	Forestry	Gulmohar	Desi	200	-	-	-
Ratlam	Ornamental	Duranta golden	Desi	1000	-	-	-
Ratlam	Ornamental	Duranta brown	Desi	1000	-	-	-
Ratlam	Ornamental	Rose cutting	Desi	50	-	-	-
Ratlam	Ornamental	Others - Meetha neem, Bouganvilia, Mogra, Paras peepple, Ornamental cutting	Desi	400	-	-	-

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

* Name of product should follow same pattern

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.), if applied
Ratlam	Bio Fertilizers	Non Symbiotic Azotobacter					
Ratlam		Vermicompost	4000	-	20000	20	10
Ratlam		Azolla	100	-	10000	50	-
Ratlam		Earthworms					
Ratlam		Compost					
Ratlam		Blue green algae					
Ratlam		NADEP					
Ratlam		Sanjeevani Khad					
Ratlam		Acetobacter					
Ratlam		Aspergillus					
Ratlam		Azotobacter					
Ratlam		Azospirillum					
Ratlam		Phosphate solubilizing Bacteria					
Ratlam		Rhizobium					
Ratlam		Other (pl. sp.)					
Ratlam	Bio-Food	Spirulina					
Ratlam		Honey					
Ratlam		Any Other (pl. sp.)					
Ratlam	Bio Pesticides	Neem extract					
Ratlam		Neem powder					
Ratlam		Tobacco extract					
Ratlam		Trichoderma viride					
Ratlam		Trichoderma harzianum					

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.), if applied
Ratlam		Trichogramma chilonis					
Ratlam		Beauveria bassiana					
Ratlam		Metarhizium anisopliae					
Ratlam		Pseudomonas fluorescens					
Ratlam		SINPV					
Ratlam		HaNPV					
Ratlam		GF1					
Ratlam		Baco Lures					
Ratlam		Heli Lures					
Ratlam		Leucin Lures					
Ratlam		Paecilomyces					
Ratlam		Panchagavya					
Ratlam		Verticillium					
Ratlam	Bio Agents (Tricho card)	Trichogramma chilonis					
Ratlam		Chrysoperla carnea					
Ratlam		Tricho card					
Ratlam		Any other (Pl. Specify)					
Ratlam	Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis					
Ratlam		Epiricania melanolauca					
Ratlam	Bio Agents(Worms)	Assinia foetida					
Ratlam		Eudrilus eugeniae					
Ratlam		Euclnia Uginae					
Ratlam		Eisenia foetida					
Ratlam		Earth worm	50	-	25000	20	-
Ratlam		Any other (pl. specify)					

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.), if applied
Ratlam	Others	Mushroom spawn					
Ratlam		Mineral Mixture					
Ratlam		Cow dung (dry)					
Ratlam		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. Cross Giri	-	3000	2	75000	
	Calves						
	Goats	Barbari and Sirohi	-	-	25	100000	
	Buffaloes						
	Sheep						
	Breeding bull						
	Other (pl specify)						
Poultry	Poultry	Kadakhnath	-	-	40	32000	
	Japanese quail						
	Japanese quail eggs						
	Ducks						
	Turkey						
	Other						
Piggery	Piglets						
	Boar						
	Sow						
	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.		
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 :

KVK Name	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			
Ratlam	Y and 2008	2	2	500							16		

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	
		PF	1									
		PF	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.)
Ratlam	2				

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	
Ratlam													

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)
Ratlam	12	2020	150			

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
Ratlam	2009	2011			

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*
Ratlam			

*Attached separate file.

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
Ratlam				

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

KV K	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
Ratl am	1	Crop Management	Crop Production Technology		9	42680		
			Integrated Farming		1	42680		
			Field Preparation					
			Any Other (Specify)		2	42680		
	2	Weather	Advisory					
			Change in variety					
			Change in Sowing technique					
			Climate forecast		2	42680		
			Any Other (Specify)					
	3	Soil Management	Soil Testing		2	42680		
			INM		2	42680		
			Fertilizer Application					
			Vermicomposting/ bio- waste recycling		1	42680		

KV K	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-fertilizer					
			Any Other (Specify)					
	4	Disease & Pest Management	Disease Management		4	42680		
			Pest Management		5	42680		
			Preventive Advisory Disease Management		1	42680		
			Preventive Advisory Pest Management		2	42680		
			Bio-pesticides					
			Any Other (Specify)					
	5	Nutrition Security & Women Empowerment	Nutrition Awareness					
			Kitchen garden		1	42680		
			Value Addition and Processing					
			Drudgery Reduction					
			Entrepreneurship & Income Generation					
			Advisory					
			Any Other (Specify)					
	6	Horticulture	Vegetable		2	42680		
			Fruit		2	42680		
			Hi Tech Horticulture					
			Any Other (Specify)		4	42680		
	7	Livestock	Feed and Fodder		2	42680		
			Dairy Management		3	42680		
			Fisheries					
			Poultry Management					

KV K	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		4	42680		
			Any Other(Specify)					
	8	Farm Mechanization						
	9	Extension						
	10	Organic Farming			2	42680		
	11	Marketing						
	12	Awareness			1	42680		
	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)
Ratlam						

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)	
Ratlam		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
Ratlam				

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
Ratlam					

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
1500 sq.m.	Rabi - Cereal crop	Wheat	HI 8777, GW 322, GW 366, GW 451, DBW 110, MP 3288, HD 2932, HD 2987, RAJ 4238, HI 8759, HI 8627, HI 1605, HI 8737, HI 8713, HI 8663, HI 8498, HI 1418, HI 1544 &MP 3382	GW 451, HI 8759, DBW 110, HI 1605
	Kharif - Cereal crop	Maize	Bio Seed 9682, Paras 6868, DKC 9133, DKC 7074, JM 216, Sweet corn, Baby corn, JM 1006, JM 12, HQPM1, Partap QPMH 1	DKC 9133, DKC 7074, HQPM 1
	Rabi – Pulse	Chickpea	J G – 14, J G – 6, J G K -3, PKV – 4, IPCK – 2004-29, GJG-3, RVKG-101, RVKG-201, RVG-202, RVG-203	JG-14, GJG – 3, RVG - 202
	Kharif – Pulse	Green Gram	IPM 2-3, IPM 2-14, IPM 410-3, IPM 99-125, Pusa Vishal, JM 721, IPM 205-7, HUM 1, TJM 3, Ganga- 8	IPM – 205-7, GM-721
	Kharif – Pulse	Black Gram	IPU 10-26, Shekhar 2, IPU- 11-02, IPU 94-1, PU 31, PU 35, IPU 13-01	IPU-94-1, IPU-13-01
	Kharif – Pulse	Pigeon pea	ICPL 88039, TJT 501	
	Rabi – Oilseed	Mustard	NRCRD 2, PS 30, GDM 4, RH 406, Pusa Tarak, Virat	NRCRD – 2, GDM - 4
	Kharif – Oilseed	Soybean	JS 9041, JS 335, NRC 86, IPU 13-01, RVS 2001-04, JS 9560, JS 9305, JS 2069, JS 2034, JS 2029	RVS 2001-4, JS -9560, JS-2034, JS-2029

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
500 sq.m.	Kharif - Vegetable	Tomato	Arka Rakshak, Arka Smrat	Arka Smrat
	Kharif – Vegetable	Onion	Bhima Super, Bhima Red	Bhima Red
	Kharif - Spice	Chilli	Kashi Anmol	Kashi Anmol
	Kharif – Flower	Marigold	Pusa Bahar	Pusa Bahar
	Rabi – Vegetable	Onion	NHRDF Red – 3, ALR	NHRDF Red – 3
	Rabi – Seed Spice	Fenugreek	Afg-3, Afg – 5, RMT – 1	Afg – 5
	Rabi – Spice / Medicinal	Kalungi	A.N. – 1, A.N.-2	A.N. – 1
	Rabi – Spice / Medicinal	Ajwain	A.A.-2, A.A.-93	A.A.-2

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	Ratlam				

*Attached separate File

23. KVK interaction with progressive farmers

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

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
Ratlam	6	1084	6	6	8	70

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 *
Ratlam							

*Attached separate File

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	
Ratlam	Mandsaur	• SAC Meeting • Exchange of seed, planting material & implements etc. • One common OFT in Each season.			
Ratlam	Neemuch	• SAC Meeting. • Training • Planting Material. • One common OFT in Each season.			

27. Important visitors to KVK

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

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	Ratlam	04-06 May 2011	www.kvkratlam.org.in	20	445

29. Status of Mobile Apps developed by KVK

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

30. Status of RTI

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

31. Status of Citizen Charter

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

32. Participation in HRD Programmes organized by ATARI

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

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
Ratlam				

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

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)
Ratlam					

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

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
Ratlam				

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Ratlam	Gosthies	1		
Ratlam	Lectures organized	18		
Ratlam	Exhibition			
Ratlam	Film show	5		
Ratlam	Fair			
Ratlam	Farm/ Field Visit	5		
Ratlam	Diagnostic Practical's			
Ratlam	Distribution of Literature (No.)	5		
Ratlam	Distribution of Seed (q)			
Ratlam	Distribution of Planting materials (No.)			
Ratlam	Bio Product distribution (Kg)			
Ratlam	Distribution of Bio Fertilizers (q)			
Ratlam	Distribution of fingerlings			
Ratlam	Distribution of Livestock specimen (No.)			
Ratlam	Total number of farmers visited the technology week	1		
Ratlam	Animal health camp			
Ratlam	Awareness programme			
Ratlam	Demonstration			
Ratlam	Exposure visit			
Ratlam	Ex-trainees Meet			
Ratlam	Farmer scientist interaction	1		
Ratlam	Farmers Training	5		
Ratlam	Gajarghans Unmulan Pakhwada	1		
Ratlam	Group Meeting	1		
Ratlam	Jai Kisan Jai Vigyan Sangoshthi	1		
Ratlam	Plant Protection Week			
Ratlam	Seed treatment campaign			
Ratlam	Self Help Group convener meet			
Ratlam	Soil health Camp			

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Ratlam	Swachha Bharat Abhiyan	2		
Ratlam	Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

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

Farmers-scientists interaction on livestock management

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

Animal health camps organized

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

Seed distribution in drought hit area

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

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Ratlam				
Saplings				
Ratlam				

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
Ratlam		

1. Technologies to be Demonstrated

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

2. Extension Activities

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

3. Training Programme

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

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	Ratlam	1	1

8. KVK Satna

Summary of the activities

KVK Name	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	
Satna	OFTs	19	220			
Satna	FLDs – Oilseeds (activity in ha)	19	38			
Satna	FLDs – Pulses (activity in ha)	19	38			
Satna	FLDs – Cotton (activity in ha)					
Satna	FLDs – Other than Oilseed and pulse crops(activity in ha)	8	70			
Satna	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	8	80			
Satna	Training-Farmers and farm women	77	1540			
Satna	Training-Rural youths	10	200			
Satna	Training- Extension functionaries	12	240			
Satna	Extension Activities	-	10662			
Satna	Seed Production (Number of activity as seeds in quintal)	99.65	380			
Satna	Planting material ((Number of activity as quantity of planting material in quintal)	7	360			
Satna	Seedling Production (Number of activity as number of seedlings in numbers)	255500	8850			
Satna	Sapling Production (Number of activity as number of sapling in numbers)	3000	-			
Satna	Other Bio- products (No. of quantity)	21	150			
Satna	Live stock products	11064	120			
Satna	Activities of Soil and Water Testing Laboratory	1000	3000			
Satna	Rainwater Harvesting System	4	180			
Satna	Kisan Mobile Advisory (KVK-KMA)	105	26000			
Satna	SAC Meeting (Date & no. of core/ official members)	1	12.09.20 (25)			

KVK Name	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	
Satna	Literature to be Developed/Published	10	Mass			
Satna	Convergence programmes / Sponsored programmes	9				
Satna	Utilization of Farmers Hostel	55	2500			
Satna	Utilization of Staff Quarters	12	12			
Satna	Details of KVK Agro-technological Park	4	1600			
Satna	Crop Cafeteria-	6	10000			
Satna	Farm Innovators- list of 10 farm innovators from the District	10	10			
Satna	Status of Revolving Funds	1	5741344			
Satna	Awards and Recognitions	1	-			
Satna	Case study / Success Story to be developed	6	-			
Satna	KVK Progressive Farmers interaction	8	250			
Satna	Outreach of KVK in the District (No. of blocks, no. of villages)	8 (78)	16000			
Satna	Technology Demonstration under Tribal Sub Plan	-	-			
Satna	KVK Ring	4	2			
Satna	Important visitors to KVK	10	-			
Satna	Status of KVK Website	-	-			
Satna	Status of RTI	-	-			
Satna	E-connectivity	-	-			
Satna	Details of Technology Week Celebrations	32	1600			
Satna	Interventions on Drought Mitigation	10	8000			
Satna	Sansad Adarsh Gram	3	5000			
Satna	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
Satna	1	1	6	4	3	2	6	9	16	16	16

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specilization	Pay scale	Present pay	Date of joining	Category
Satna	Programme Coordinator	Dr. R.S.Negi	Horticulture	Ph.D	Fruit Culture and Orchard Management	37000-67000+GP 9000	52250	01.10.2011	General
Satna	Subject Matter Specialist1	Dr. V. P. Singh	Extension	Ph.D	Watershed Management	15600-39100+GP 5400	37360	01.03.1993	General
Satna	Subject Matter Specialist2	Dr. R.P.Sharma	Animal Science	Ph.D	Animal Science	15600-39100+GP 5400	31350	13.05.1991	General
Satna	Subject Matter Specialist3	-	Home Science	Ph.D	-	-	-	-	-
Satna	Subject Matter Specialist4	Sh. Akhilesh Jagre	Plant Protection	M.Sc.	Plant Pathology	15600-39100+GP 5400	21000	08.02.2019	General
Satna	Subject Matter Specialist5	Dr. Ajay Chourasiya	Agronomy	Ph.D	Natural Resource Management	15600-39100+GP 5400	21000	15.02.2019	General
Satna	Subject Matter Specialist6	-	-	-	-	-	-	-	-
Satna	Programme Assistant	Sh. Ashok Sharma	Soil Science	M.Sc	Soil Science		14330	08.10.2016	General

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specilization	Pay scale	Present pay	Date of joining	Category
Satna	Farm Manager	-	-	-	-	-	-	-	-
Satna	Computer Programmer	-	-	-	-	-	-	-	-
Satna	Accountant / superintendent	Sh.R.P. Pandey		M.COM		9300-39100+ GP 4200	15210	01.06.2014	General
Satna	Stenographer	Sh.A.K.Singh		MA, PGDCA		5200-20200+GP 2400	16980	01.12.1993	OBC
Satna	Driver	-		-		-	-	-	-
Satna	Driver	-	-	-	-	-	-	-	-
Satna	Supporting staff	Sh.V.Singh		B.A, MSC		4440-7440+GP 1300	11520	01.05.1994	General
Satna	Supporting staff	Sh.K.Pathak	Animal Science	B.A		4440-7440+GP 1300	11180	01.04.1995	General
		Sh. R. L. Baheliya	Cook	5 th		4440-7440+GP 1300	11180	01.04.1996	ST
		Sh.B.G.Joshi	Horticulture	B.A		4440-7440+GP 1300	11360	25.08.1996	General
		Sh.Bansh Gopal	Watchman	Literate		4440-7440+GP 1300	10860	01.12.1993	OBC
		Smt. Rita Singh	Jr. Clerk	MA, B.Ed		5200-20200 +GP 2000	13020	07.09.1996	General

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
Satna	Kaymore Plateau and Satpura Hills	08	703	22.85 lacs	72.26 %	5.72 lacs	273813	1.27 ha.

Basic Information of Krishi Vigyan Kendra

Name and Address of the KVK	Krishi Vigyan Kendra, Post Office-Majhgawan, Distt.-Satna(MP)485331
Name of the KVK and District	Krishi Vigyan Kendra, Satna
Name of the Host Organization	Deendayal Research Institute, 7-E Swami Ramtirth Nagar, Rani Jhansi Marg, New Delhi - 110055 e-mail-dridelhi@chitrakoot.org
Telephone No.	07670 265353, 265623
Fax No.	07670 265510
Email	info@chitrakoot.org
Website	www.chitrakoot.org
Name of the Head of the Organization with designation	Sh. Abhay Mahajan, Organizing Secretary Deendayal Research Institute-Chitrakoot, Satna (M.P.) – 485331, Ph. 07670 265353, 265623 e-mail-drichitrakoot@chitrakoot.org
Name of Incharge of the KVK with designation	Dr.R.S.Negi, Programme Coordinator Krishi Vigyan Kendra, Deendayal Research Institute, Majhgawan, Satna (MP) 485331.Tel No. 07670-263297, e-mail: kvksatna@rediffmail.com
Letter No. and date by which KVK was sanctioned by ICAR	No.15(22)/92-Agril.Extn.I dated January,1993
Month and year of inception of KVK	March,1993
Geographical Location of KVK	23° 58' to 25° 12' N Latitude & 80° 20' to 81° 23' E Longitude

DISTRICT PROFILE

1.	Name of the District	Satna
2.	Agro ecological Sub Region (ICAR)	Zone VII, Semi arid Lava Plateau and Central Highlands
3.	Agro-climatic zone(Planning)	Central Plateau and Hill region

4.	Agro-climatic zone(Planning M.P.)	Kaymore Plateau and Satpura Hills
5.	Geographical Location	
	Latitude	23° 58' to 25° 12' N
	Longitude	80° 20' to 81° 23' E
	Altitude from MSL	317 m
6.	Geographical Boundry	
	North	Banda & Chitrakoot District
	South	Katni
	East	Rewa District of MP
	West	Panna
7.	Total Geographical Area	7, 42,432 ha.
	Soil Type	Mixed red and Black soils
	Climate	Sub humid climate
	Average Annual Rainfall	1100.30 mm
	Temperature	Maximum temp. - 48.3°C, Minimum temp. - 1.4°C.
	Relative Humidity	Maximum Average-99.42 (January), Minimum Average - 9.22 (May)
8.	Important Rivers	Mandakini, Tamas, Satna,
9.	Administrative	
	No. of Tehsil	09
	No. of Blocks	08
	No. of Panchayats	703
	No. of Villages	1816
10.	Average Literacy Percentage	72.26
	Male Literacy	81.37
	Female Literacy	62.45

11.	GDP of Satna District	4253 Crores
12.	Per Capita Income(INR)	24,709

Demographical Composition -2011 Census

S.No	Particulars	
1.	Total Population	2228935
	Male	1,157,495
	Female	1,071,440
2.	Rural population	1754517 (78.72%)
	A. Male	907904
	B. Female	846613
3.	Urban Population	474418 (21.28%)
4.	Literacy rate in Rural areas	69.40%
	Schedule Tribe	2.68 lakhs (14.33 %)
	Schedule Caste	3.04 lakhs (16.26%)

Blocks Details

Sr.No.	Name of the Block	Area in sq km	No. of Panchayats	No. of villages
01	Majhgawan	1584	96	295
02	Sohawal	772	93	235
03	Rampur Baghelan	874	97	215
04	Nagod	919	93	244
05	Uchehra	897	70	211
06	Amarpatan	652	74	169
07	Ram Nagar	601	59	207
08	Maihar	1125	121	240
	Total	7424	703	1816

Soils of the District- Mixed red and Black soils

Sl.No.	Soil type	Characteristics	(%)
1.	Coarse Red Soils	Poor water holding capacity, Soil pH ranges from 7.0-7.5 Organic carbon 0.20- 45%, Available nutrients status shows low nitrogen, very low to low phosphorus and medium potassium. Boron and zinc micronutrients deficient soils.	21.34
2.	Mixed Red and Black soils	Medium water holding capacity and optimum drainage Soil pH ranges from 7.2 to 7.8 organic carbon 0.40 – 0.60 %, available nutrients status shows low to medium nitrogen, low to medium phosphorus and medium to high potassium, boron and zinc micronutrients deficient soils	42.43
3.	Black soils	High water holding capacity, poor drainage capacity, Soil pH ranges from 7.1 to 8.2, organic carbon 0.45-0.65%, available nutrients status shows low to medium nitrogen, low phosphorus and very high potassium and also high in calcium and magnesium, boron and zinc micronutrients deficient soils	36.23

Sources of Irrigation

S.No.	Source of Irrigation	Number	Area (,000 ha)	% of total area
01	Canals	59	5.872	
02	Tanks/Ponds	85	3.666	
03	Open wells	16765	38.075	
04	Bore wells	17288	72.111	
05	Others (Reservoirs)	951	19.104	
	Total		138.828	29 .0

Enterprise - Animal Husbandry and Dairying -

S.No.	Animal	Population (no.)	Production (Litre /day)
1.	Buffalo	77853	1.5 - 2.0
2.	Cow	230627	0.75 - 1..25
3.	Goat	182334	0.25 - 0.5

Land utilization Pattern

	A. Total Geographical area	7, 42,432 ha.
	B. Actual cultivable area	360768 ha
	Total sown area	4,74,228 ha
	Kharif	254493 ha
	Rabi	286157 ha
	C. Total Irrigated area	347241 ha
	D. Forest area	203659 ha
	E. Other fallow land	26200 ha
	F. Agricultural waste land	40536 ha
	Cropping Intensity	166.91 %

Distribution of Land Holdings

Category	No.	(%)	Area in Hectares	(%)
Marginal (0-1 ha)	158548	57.90	68977	19.12
Small Farmers (1-2 ha)	62378	22.78	85659	23.74
Medium Small (2-4 ha)	36141	13.20	97280	26.96
Medium (4 10 ha)	15269	5.58	86754	24.05
Big (Above 10 ha)	1477	0.54	22098	6.13
Total	273813	100.00	360768	100.00

Input Suppliers

Block	Private suppliers	Govt. Deptt.	NGOs	Farmers Societies	Total
Seed					
Sohawal	37	1	0	28	66
Rampur Baghelan	8	0	0	28	36
Majhgawan	10	0	0	10	20
Nagod	10	0	0	6	16
Uchehra	6	0	0	15	21

Block	Private suppliers	Govt. Deptt.	NGOs	Farmers Societies	Total
Amarpatan	15	0	0	6	21
Maihar	18	0	0	8	26
Ramnagar	9	0	0	6	15
Total	104	1	0	101	221
Pesticides					
Sohawal	25	2	0	0	27
Rampur Baghelan	12	2	0	0	14
Majhgawan	6	2	0	0	8
Nagod	10	2	0	0	12
Uchehra	4	2	0	0	6
Amarpatan	6	2	0	0	8
Maihar	15	2	0	0	17
Ramnagar	1	2	0	0	3
Total	79	16	0	0	95
Fertilizers					
Sohawal	46	4	0	32	82
Rampur Baghelan	29	2	1	40	72
Majhgawan	37	0	0	0	37
Nagod	63	0	0	0	63
Uchehra	32	0	0	0	32
Amarpatan	41	0	0	0	41
Maihar	64	0	0	0	64
Ramnagar	55	4	0	32	91
Total	367	10	01	104	482

Fertilizers Consumption in Satna District (2010-11) Metric tons

Sr.No.	Name of Fertilizer	Kharif	Rabi
1	Urea	6140	19824
2	DAP	14351	15241
3	NPK (12:32:16)	0	664
4	SSP	294	203
5	MOP	133	370
	Others		
6	26:26	20	110
7	16:20	572	317
8	20:20	1900	1799
9	15:15:10	270	488
10	10:26:26	25	1013

Seed Replacement Rate (SRR) in Satna District (2010-11)

Sr.No.	Crop	Seed Replacement Rate(SRR) 2010-11
	Kharif	
	Cereals	
1	Paddy	16.60
2	Maize	6.50
3	Jowar	8.50
	Pulses	
4	Black gram	5.16
5	Green gram	3.45
6	Red gram	4.43
	Oilseeds	
7.	Soybean	25.58
8.	Sesame	8.00
	Rabi	
	Cereals	
9.	Wheat	10.67
	Pulses	

10	Chickpea	7.21
11	Pea	2.36
12	Lentil	4.15
	Oilseeds	
13	Mustard	25.0
14.	Linseed	0.20

- Source Agriculture Department ,2010-11

Area covered under Different crops (2015-16)

S.No.	Principal Crops	Area (in ha)	Productivity (kg/ha)
1	Cereals		
	Kharif		
	Paddy	110000	38.67
	Sorghum	3200	9.82
	Bajra	50	5.6
	Maize	2500	7.3
	Sanwa	66	3.3
	Kodon/kutki	1100	7.35
	Rabi	116916	
	Wheat irrigated	104942	26.9
	Wheat un irrigated	41000	24.5
	Barley	7613	23.8
	Total	153555	
	Total (Kharif + Rabi)	270471	
	Total	279994	
2	Oilseeds		
	Kharif		
	Soybean	70000	4.86
	Sesame	10000	4.45
	Total	80000	
	Rabi		

S.No.	Principal Crops	Area (in ha)	Productivity (kg/ha)
	Linseed	2200	6.6
	Mustard	3444	6.8
	Total	5644	
	Total (Kharif + Rabi)	85644	
3	Pulses		
	Kharif		
	Blackgram	35000	
	Moongbean	6000	
	Red gram	4000	
	Total	45000	
	Others	6050	450
	Total	205785	
4	Sugarcane	259	
5	Horticultural crops		
	Fruits		
	Mango	957.5	79.5
	Guava	481.5	106.2
	Karonda	45.1	46.5
	Jackfruit	71.5	81
	Jamun	58.5	30.6
	Aonla	782.5	90.4
	Lemon	205	66.2
	Papaya	447.3	175.2
	Water Chestnut	49	33.1
	Others	636	30.8
	Total	3733.9	
	Vegetables		
	Potato	2917	191.3
	Brinjal	1512	17.9
	Tomato	2719	159.5

S.No.	Principal Crops	Area (in ha)	Productivity (kg/ha)
	Peas	1483	81.67
	Cauliflower	1194	197.2
	Cabbage	793	211.3
	Bhindi	473	81.04
	Arbi	195.5	187.2
	Zimikand	63	147.2
	Bottle gourd	1256	211.8
	Pumpkin	431	234.1
	Cucumber	487.5	136.4
	Parwal	27.5	78.5
	Capsicum	33.4	73.8
	Bittergourd	2765	68.37
	Onion	7417	183.1
	Others(radish, spinach, methi, lal bhaji, carrot, turnip etc	706	113.5
	Total	24472.9	
	Spices		
	Coriander	583	8.93
	Turmeric	192	148.4
	Zinger	398	82.12
	Chillies	2984	82.13
	Fenugreek	161.5	17.82
	Garlic	859	69.31
	Others	134	8.89
	Total	5311.5	
	Flowers		132.3
	Marigold	45.6	80.7
	Rajnigandha	12.4	115.4

S.No.	Principal Crops	Area (in ha)	Productivity (kg/ha)
	Gladiolus	28.5	87.5
	Roses	79.5	45.3
	others	56	132.3
	Total	222	
	Chandersur	23.7	
	Aswaganda	16.4	
	Satawar	4	
	Safed musli	5.8	
	Kalmegh	3.7	
	Alovera	19	
	others	63.7	
	Total	136.3	
6	Fibre crops	84	
7	Green fodder	59	

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)
Satna	Shahpur	2020	Majhgawan	32	732	99
Satna	Barha-Nougawan	2020	Majhgawan	22	482	71
Satna	Gujuwa- Saleha	2020	Majhgawan	29	1326	132

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Satna	Enhancing the productivity and profitability of farming
	Water Conservation and Management
Satna	Seed replacement- use of high yielding varieties tolerant to biotic and abiotic factors
Satna	Promotion of Integrated farming system
Satna	Crop Diversification
Satna	Frost and Drought management

Satna	Promotion of Horticultural crops
Satna	Utilization of Kharif and Rabi fallow lands
Satna	Livestock up gradation and Management
Satna	Employment generation for rural youths through agri. enterprises
Satna	Strengthening of marketing network
Satna	Crop production
Satna	Seed replacement- use of high yielding tolerant to biotic and abiotic factors
Satna	Seed treatment
Satna	Sowing technique
Satna	Direct seeding in paddy
Satna	Alternate cropping system
Satna	Promotion of Integrated farming system
Satna	Seed production through group approach
Satna	Water Management in wheat
Satna	Frost and Drought management
Satna	Rain water harvesting for recycling and ground water recharge
Satna	In-situ moisture conservation through better agronomic practices
Satna	Weed Management in Kharif crops (Rice, Blackgram, Redgram and Soybean)
Satna	Nutrient management in Kharif crops (Rice, soybean, sesame, mustard, blackgram, and redgram)
Satna	Nutrient management in Rabi crops (Wheat, mustard, lentil and gram)
Satna	Drudgery reduction - Use of improved agriculture implements and tools
Satna	Wilt and Pod borer management in gram and redgram
Satna	Safe seed and grain storage
Satna	Diversification of crops
	Horticulture
Satna	Promotion of Horticultural crops
Satna	Improved varieties of vegetables and spices
Satna	Nursery Management in vegetables and fruit plants
Satna	Layout and planting technique in horticultural crops
Satna	Nutrients Management in onion
Satna	Wasteland Development through fruit culture
Satna	Disease and insect pest management in onion

Satna	Disease and insect pest management in cucurbits
Satna	Disease and insect pest management in tomato & chillies
Satna	Management of early shoot and fruit borer in tomato and brinjal
Satna	Protective cultivation
Satna	Water saving methods- use of sprinkler and drip irrigation
	Livestock
Satna	Livestock up gradation
Satna	Improvement of fat and milk production in cows
Satna	Introduction of new breeds in goat and poultry
Satna	Management of disease in cows and buffaloes
Satna	Control measures for ecto and endo parasites in cattle
	Extension
Satna	Strengthening of marketing network
Satna	Timely inputs, services and advisory to the farming community
Satna	Promotion of group organization
Satna	Linkage development
Satna	Employment generation for rural youths

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Satna	Low productivity of Rice due to • Use of long duration varieties • Imbalance use of fertilizers • Heavy weed infestation • High incidence of gundhi bug , leaf folder, hopper, blast • Moisture stress during crop growth period	PRA technique, Rapid Rural Appraisal (RRA) technique, Focal group discussion(FGD), conducted meeting of the villagers, semi-structured interview schedule the problems, issues and needs were also assessed through POINT techniques. The gaps in adoption of technologies have been analyzed through farming situation based extension (FSBE) tools	Shahpur, Saleha, Nougawan (Majhgawan)
Satna	Low productivity of Sesame due to • Unawareness about the improved varieties • Broadcasting sowing method		

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	● Imbalance use of fertilizers ● High incidence of phyllody and phytophthora blight		
Satna	Low productivity of Pigeon pea due to ● Unawareness about the short duration HYV's ● Use of long duration varieties susceptible to frost ● Improper sowing method ● Imbalance use of fertilizers ● Occurrence of moisture stress during critical growth stage ● High incidence of wilt disease, pod borer and pod fly ● Heavy infestation of weeds		
Satna	Low productivity of Blackgram/ greengram due to ● Unawareness about the short duration HYV's ● Use of varieties susceptible to MYMV ● Improper sowing method ● Little or imbalance use of fertilizers ● High incidence of blister beetle and Tobacco caterpillar ● Heavy infestation of weeds		
Satna	Low productivity of Wheat due to ● Use of high water requiring variety ● Improper sowing technique ● Little or imbalance use of fertilizers ● Heavy weed infestation ● Termite problem in light soils ● Moisture stress during crop growth period ● Attack of stem borer		

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Satna	Low productivity of Chickpea due to • Unawareness about the wilt tolerant varieties • Delayed sowing • Unavailability and non use culture • Little or imbalance use of fertilizers • Occurrence of moisture stress during critical growth stage • High incidence of root rot, wilt disease and pod borer		
Satna	Low productivity of Mustard due to • Unavailability of quality seed • Imbalance use of fertilizers • High incidence of aphid		
Satna	Low productivity of Onion due to • Unavailability of quality seed • Imbalance use of fertilizers • Incidence of Stemphylium blight, purple blotch and thrips		
Satna	Low productivity of Tomato due to • Unavailability of quality seed • Poor agronomic practices • TLCV disease • Early blight and fruit borer		
Satna	Low productivity of Chillies due to • Unavailability of quality seed • Leaf curl and leaf spot disease		
Satna	Poor horticultural development due to • Lack of commercial fruit orchard		

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	• Lack of quality planting material		
Satna	Live stock		
Satna	Low productivity of Cow due to • Low fat and low milk yield • Frequent outbreak of diseases, ecto and endo parasites, • Non-availability of green fodder in rain fed area		
Satna	Low productivity of Goat due to • Worm infestation • Frequent Outbreak of diseases, less twinning and weight gain		
Satna	Poultry • Low weight gain, less egg production, disease outbreaks in backyard poultry • High FCR and mortality		
Satna	General problems • Traditional agronomic practices • Lack of irrigation facilities • Soil erosion • Undulated topography • Non adoption of scientific method of cultivation • Lack of knowledge about the improved crop production techniques		

2. On Farm Testing (OFT)

Thematic Areas for OFT/FLD

Thematic Areas for OFT/FLD	Parameters Name and unit
OFT/FLD on Crops	
Agro Forestry	Yield q/ha
Crop Diversification	insect population/plant
Integrated Crop Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod
Integrated Farming system	Rhizome wt/Plant(g)
Integrated Disease Management	Disease incidence (%)
Integrated Nutrient Management	No of effective tillers/hill
Integrated Weed Management	No of weeds/m ²
Varietal Evaluation	Plant Height(cm), No of pods/plant, No of Siliquae/plant, No. of Grain / pod, Fruit wt(g)
Integrated Pest Management	Insect Infestation (%), No. of Larvae or insect / meter row length
Integrated Plant Nutrient Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod Fruit Length(cm) , Fruit wt(g), No of nodules/plant
Feed and Fodder Production	Fruit Length(cm) ,
Resource conservation Technology	Plant Height(cm),
Soil Fertility Management	No of Cobs/plant
	No of Larvae/m ²
	No of Panicles/m ²
	No of Tillers/hills
	No of Bulb weight(g)
	No of Grains/panical
	No. of tubers/plant
	Weight of Curd/head (g/plant)
	No. of Siliquae or Capsule /plant
	Seedling Germination (%)
OFT/FLD on Agriculture Engineering	
Farm Mechanization	Yield (q/ha)
Resource Conservation Technology	Field Capacity (ha/hr)

Thematic Areas for OFT/FLD	Parameters Name and unit
Post-Harvest Management	Cleaning efficiency %
Storage loss minimization Technology	Cleaning Capacity q/hr
Small Farm Implements	weed population per m2
	tillers/plant
	water inefficiency
	irrigation efficiency
OFT/FLD on Animal Science	
Animal Feed / Fodder Management	Milk yield (Lit/day/animal)
Animal Disease Management	Change in body weight(kg)
Animal Nutrition Management	Egg Production/bird/year
Livestock production & management	% decrease in Worm
Animal breed evaluation	Parasite control (%)
Poultry Production and management	Body weight at 6 month (kg/goat)
	Parasite infestation (%)
	Live weight (kg/bird) at 3 Month
	Growth Rate (90 days)
	Yield q/ha (Fodder)
	Mortality %
	Feed intake(%)
	Disease infestation(%)
OFT/FLD on Fisheries	
Fingerling Production in Seasonal Ponds	Yield (q/ha)
Composite Fish Farming	Yield (q/ha), ABW (kg)
Fish Nutrition	Survival Rate (%)
Fish-cum-Duck Farming	Disease incidence (%)
Fish Production & Management	
Fish Breeding	
Fish Seed Production	
Spawn to fry production	
Integrated Farming System	

2.1 Information about OFT:

2.1.1

Title of on-farm trial:	Assessment of improved bread wheat varieties (HI 1605 and HI 1612) under restricted irrigated condition in rice-wheat cropping sequence
Year/Season:	Rabi 2020-21
Problem diagnosis:	Low yield of Lok-1 under limited irrigation condition
Thematic area:	Varietal Evaluation
No of trials:	10
Category of technology (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Farmers generally grow Lok-1 wheat variety
T2 –Recommended Practice-	HI 1605 (Semi dwarf, resistance to black and brown rust, grains bold and bread wheat, yield 30-44 q/ha)
T3- Recommended Practice-	HI 1612 (Semi dwarf, resistance to yellow and brown rust, grain bold and bread wheat yield 37-55 q/ ha)
Date of sowing:	
Date of harvesting:	
Source of technology:	IARI-RS, Indore (2016 & 2018)
Characteristics of technology:	HI 1605 (Semi dwarf, resistance to black and brown rust, grains bold and excellent chapatti, high protein (~13%) , rich in micro-nutrients iron (43 ppm) and zinc (35 ppm) and yield 30-44 q/ha) HI 1612 (Semi dwarf, resistance to yellow and brown rust, grain bold and bread wheat yield 37-55 q/ ha)
Name of Crop/Enterprises:	Wheat
Farming situation:	Restricted irrigated condition
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	
Performance indicator/parameter	Plant height (cm), tillers/plant, ear heads/plant, Seed yield q/ha, B:C ratio

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)						

2.1.2

Title of on-farm trial:	Assessment of Rice- Mustard & Rice- Chickpea through conservation agricultural practices under Rice- Fallow cropping system
Year/Season:	Rabi 2020-21
Problem diagnosis:	Rice – Fallow land due to growing of longer duration variety of Rice by farmers affect timely sowing of rabi crop and land remains fallow due to inadequate moisture in field along with terminal heat stresses (about 14000 ha area)
Thematic area:	Cropping System
No of trials:	10
Category of technology (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Rice (variety with maturity above 125 days)
T2 –Recommended Practice-	Rice(MTU-1010)-Mustard(Pusa Mustard 28)
T3- Recommended Practice-	Rice(MTU-1010)-Chickpea(RVG-202)
Source of technology:	IARI-RS, Indore (2016 & 2018)
Characteristics of technology:	Direct seeding of short duration variety of Rice(MTU 1010) followed by zero tillage sowing of Mustard and Chickpea by utilizing the residual soil moisture of rice field JG 12- It is an early, brown and medium seed, semi spreading profuse branching, suitable for both irrigated and rain fed conditions of MP Pusa Mustard 28- It possesses high temperature tolerance at seedling and grain filling stage. It fits well in multiple cropping system. It's per day productivity is as very high (18.63 kg/day/ha) in comparison to all released varieties. Its seeds contain 41.5% oil. Being tolerant to high temperature, it is suitable for early sowing
Name of Crop/Enterprises:	Rice, mustard and chickpea

Farming situation:	Rainfed/ restricted irrigation
Performance indicator/parameter	Rice Equivalent yield(kg/ha), System productivity, system profitability, Net returns, B:C ratio

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)						

2.1.3

Title of on-farm trial:	Assessment of small millets based cropping system by utilizing kharif fallow and wastelands
Year/Season:	Kharif 2020
Problem diagnosis:	Higher percentage of kharif fallow lands in the district due to marginal soil fertility and moisture conditions (86314 ha)
Thematic area:	Resource management
No of trials:	10
Category of technology (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Kharif Fallow lands
T2 –Recommended Practice-	Kodon millet(DPS 9-1)- Linseed (JLS 66)
T3- Recommended Practice-	Finger millet (Indira Ragi 1)- Linseed (JLS 66)
Source of technology:	
Characteristics of technology:	Millets are hardy and grow well in rain-fed areas under marginal conditions of soil fertility and moisture. Unlike other crops, millets require many less inputs in terms of fertilizer and water. Millets are highly nutritious, non-glutinous and rich in fibre, they are easy to digest Kodon millet (DPS 9-1) - It matures in 95-100 days. Plants are 60 cm in height, compact ears, and grain brown. Moderately tolerant to shoot fly and grain smut. Moderately tolerant to drought. Yield potential is 27-30 q/ha Finger millet (Indira Ragi 1) - Suitable for upland rainfed, situations, lodging and shattering

	resistance, Potential yield is 25-26 q/ha Linseed (JLS 66) It matures in 107-114 days, short in height with white flowers and seed are light brown in colour. Moderately resistant to powdery mildew, alternaria blight, rust and major insect pests. Oil content 40.5% and yield potential is 22 q ha-1
Name of Crop/Enterprises:	Kodo millet, Finger millet
Farming situation:	Rain fed
Performance indicator/parameter	Plant height (cm), tillers/plant, ear heads/plant, Seed yield q/ha, B:C ratio

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)						

2.1.4

Title of on-farm trial:	Assessment of efficacy of microbial culture(Jeevamrit) preparations on growth and yield attributing characteristics of Blackgram
Year/Season:	2020
Farming situation:	Irrigated
Problem diagnosis:	Indiscriminate use of inorganic fertilizers has brought threat to soil health in respect of physical, chemical and biological properties of soil. Therefore, it is necessary to minimize the usage of inorganic fertilizers by substituting with organics
Thematic area:	Organic
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-	Recommended dose of fertilizer NPK @ 20:50:60 Kg/ha
T2 –Recommended Practice-	Seed treatment with Beejamrit @ 20 ml/kg seed & Soil Application of Jeevamrit @ 250 kg/ha + foliar application of liquid jeevamrit @ 30ml/litre of water at 15 days interval after 15 DAT.

T3- Recommended Practice-	
Source of technology:	University of Agricultural Sciences, Karnataka(2018)
Characteristics of technology:	Organic – based fermented fertilizers favour plant growth and regulation and adaptability to the surrounding environments in terms of yield and quality parameters in addition to enhanced tolerance to biotic and abiotic stresses.
Name of Crop/Enterprises:	Blackgram
Performance indicator/parameter	Plant height (cm), no. of branches/plant, no. of pods/plant, 1000 seed weight(g) seed yield((kg/ha), Net returns(Rs/ha), B:C ratio.

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)						

2.1.5

Title of on-farm trial:	Assessment of liquid organic manure (Jeevamrit) on growth and yield of Tomato.
Year/Season:	2020/
Farming situation:	Irrigated
Problem diagnosis:	The cost of inorganic fertilizers is Increasing enormously to the extent that they are out of reach of small and marginal farmers.
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-	Recommended dose of fertilizer NPK @ 120:80:60 Kg/ha
T2 –Recommended Practice-	Foliar application of Jeevamrit @ 30ml/litre of water at 15 days interval after 15 DAT
T3- Recommended Practice-	Recommended dose of fertilizer NPK @ 120:80:60 Kg/ha + Foliar application of Jeevamrit @ 30ml/litre of water at 15 days interval after 15 DAT.
Source of technology:	ITM university, Gwalior(2019)

Characteristics of technology:	Microbial preparation Jeevamrit promotes immense biological activity in soil and enhances nutrient availability and uptake by the crop besides improving soil health. Being rich in nutrients, auxins, gibberellins, and microbial load, acts as a tonic to in rich soil induced plant vigour with quality production. Application of Bio enhancer improves the production, productivity and quality of fruits.
Name of Crop/Enterprises:	Tomato
Performance indicator/parameter	Plant height(cm), no. of branches/plant, no. of flowers/plant, no. of fruits /plant, fruit size(cm ²), av. Fruit weight(g0 fruit yiel)(kg/ha0, days to first flower initiation, days to fruit setting after flowering, days to first harvest after flowering, Net returns(Rs/ha), B:C ratio.

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)						

2.1.6

Title of on-farm trial:	Assessment of vegetable intercropping (Cabbage +Pea, Cabbage+ Fenugreek) for ensuring higher returns under Okra- Cabbage- Onion cropping sequence.
Year/Season:	Rabi-2020
Farming situation:	Irrigated
OFT site	Light textured well drained soils, assured irrigation
Problem diagnosis:	Low returns due to market price fluctuations.
Thematic area:	Crop Diversification and intensification
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 Cabbage (60 X 60 cm)
T2 –Recommended Practice-	Cabbage+ Pea(1:1)
T3- Recommended Practice-	Cabbage + fenugreek(1:1)

Source of technology:	IIVR, Varanasi(2016)
Characteristics of technology:	Intercropping of leguminous crop(pea and fenugreek) with cabbage spaced at 60x 60 cm will improve the productivity of cabbage and profitability of farming and minimize the risk due to adverse climatic conditions and market price fluctuation.
Name of Crop/Enterprises:	Cabbage
Performance indicator/parameter	Yield of Cabbage Main crop Equivalent Yield of different intercrop, Increase in yield(q/ha) Increase in income/ha, Net return, Benefit cost ratio .

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)						

2.1.7

Title of on-farm trial:	Assessment of organic fertilizers (Jeevamrit) on growth and yield of Potato.
Year/Season:	Rabi 2020
Farming situation:	Irrigated
Problem diagnosis:	Indiscriminate use of inorganic fertilizers has brought threat to soil health in respect of physical, chemical and biological properties of soil. Therefore, it is necessary to minimize the usage of inorganic fertilizers by substituting with organics
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-	Recommended dose of fertilizer NPK @ 120:80:60 Kg/ha
T2 –Recommended Practice-	Seed treatment with Beejamrit @ 20 ml/kg seed & Soil Application of Jeevamrit @ 250 kg/ha + foliar application of liquid jeevamrit @ 30ml/litre of water at 15 days interval after 15 DAT.
T3- Recommended Practice-	--

Source of technology:	University of Agricultural Sciences, Karnataka(2018)
Characteristics of technology:	Organic – based fermented fertilizers favour plant growth and regulation and adaptability to the surrounding environments in terms of yield and quality parameters in addition to enhanced tolerance to biotic and abiotic stresses.
Name of Crop/Enterprises:	Potato
Performance indicator/parameter	Plant height(cm), no. of branches/plant, no. of tubers/plant, tuber size(cm ²), av. tuber weight(g) tuber yield((kg/ha), Net returns(Rs/ha), B:C ratio.

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)						

2.1.8

Title of on-farm trial:	Assessment of efficacy of <i>Brahmastra</i> bio pesticide against sucking pest in Okra
Year/Season:	2020
Farming situation:	Irrigated
Problem diagnosis:	Loss of crop up to 30% yield due to severe infestation of sucking pests(white fly, jassids and mites)
Thematic area:	Integrated pest 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-	Spray of systemic insecticides after the pest infestation
T2 –Recommended Practice-	Application of <i>Brahmastra</i> biopesticide @ 10 % at 25 and 40 DAS
T3- Recommended Practice-	Application of <i>Brahmastra</i> biopesticide @ 20 % at 25 and 40 DAS
Source of technology:	Tamil Nadu Agricultural university, Coimbatore(2017)
Characteristics of technology:	Spraying of <i>Brahmastra</i> @ 5 % effectively check whitefly, mite, jassids and even fruit borer in okra up to seventh day after application. Bio pestice application which are effective and

	biodegradable and do not leave any harmful effect on environment.
Name of Crop/Enterprises:	Okra
Performance indicator/parameter	No. of sucking pests per three terminal leaves, yield/ ha and B:C ratio

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)						

2.1.9

Title of on-farm trial:	Assessment of integrated module of <i>Fusarium</i> wilt management in chickpea
Year/Season:	2020-21
Farming situation:	Partial irrigated condition
Problem diagnosis:	Yield loss up to 40% due to severe infestation of wilt
Thematic area:	Integrated disease 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-	Seed treatment with Carbendazim + Mancozeb
T2 –Recommended Practice-	Integrated module- Deep ploughing + Soil application of <i>Trichoderma virde</i> @ 4 kg/ha + Seed treatment(FIR)+ Intercropping (Chickpea+ Coriander , 10:1or 2) and Marigold planting around the border + need based foliar application of tebuconazol @ 625 ml/ha at 25 and 45 DAS
T3- Recommended Practice-	-
Source of technology:	JNKVV, Jabalpur(2015)
Characteristics of technology:	Integrated module of wilt management is more effective in managing <i>Fusarium</i> wilt
Name of Crop/Enterprises:	Chickpea
Performance indicator/parameter	Disease incidence/sqm, No. of branches/plant, No. of pods/plant, yield(kg/ha), net returns(Rs/ha), B:C ratio

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)						

2.1.10

Title of on-farm trial:	Assessment of efficacy of bio pesticide against BPH, stem borer, leaf folder and gundhi bug pest in Rice
Year/Season:	2020
Farming situation:	Irrigated
Problem diagnosis:	Loss of crop yield due to different pests of rice up to 25-30 %. Several insecticides recommended for management of stem borer, leaf folder, brown plant hopper are showing resistance to insecticides
Thematic area:	Integrated pest 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-	Spray of thiomethoxam 10 % G insecticides after the pests infestation
T2 –Recommended Practice-	Application of Agniastra biopesticide @ 3 % at 35 and 45 DAS
T3- Recommended Practice-	Application of Neemastra biopesticide @ 3 % at 35 and 45 DAS
Source of technology:	University of Agriculture Sciences, Karnatka(2014)
Characteristics of technology:	Spraying of Agniastra or Neemastra @ 5 % effectively check BPH, stem borer, leaf folder and gundhi bug pest in rice. Bio-pesticide application which are effective and biodegradable and do not leave any harmful effect on environment.
Name of Crop/Enterprises:	Rice
Performance indicator/parameter	No. of insect pests per hill, grain yield/ ha and B:C ratio

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)						

2.1.11

Title of on-farm trial:	Assessment of <i>Trichoderma</i> species in management of Rice false smut.
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Loss of crop yield up to 20-25 % due to false smut in rice
Thematic area:	Integrated Disease 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-	Seed treatment with(Carbendazim + Mancozeb)
T2 –Recommended Practice-	Seed treatment with <i>pseudomonas fluorescens</i> @ 5 g /kg seed and foliar application of <i>pseudomonas fluorescens</i> @ 5 g/litre of water at before flowering stage
T3- Recommended Practice-	Seed treatment with <i>trichoderma harzianum</i> @ 5 g / kg seed
Source of technology:	Tamilnadu Agriculture University(2016)
Characteristics of technology:	Seed inoculation with trichoderma is reported to inhibit the growth of <i>Ustilaginoidea virens</i> .
Name of Crop/Enterprises:	Rice
Performance indicator/parameter	Disease incidence per m ² , yield (kg/ha) net returns(rs/ha), B:C ratio.

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)						

2.1.12

Title of on-farm trial:	Assessment of improved Berseem variety (HB 5) under -irrigated condition					
Year/Season:	Rabi 2020					
Problem diagnosis:	Poor fodder growth					
Thematic area:	Fodder Production					
No of trials:	10					
Category of technology (Assessment/ Refinement):	Assessment					
Details of technology selected for assessment:						
T1 – Farmers Practice-	Local variety					
T2 –Recommended Practice-	Improved variety HB 2					
T3- Recommended Practice-						
Source of technology:	CCS HAU (2014)					
Characteristics of technology:	Longer duration and resistant to stem rot disease					
Name of Crop/Enterprises:	Berseem					
Farming situation:	Irrigated condition					
Performance indicator/parameter	Fodder Yield (kg/ha) , Net returns (Rs/ha), B:C ratio					

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)						

2.1.13

Title of on-farm trial:	Assessment of temporary night shelter for backyard poultry
Year/Season:	2020
Problem diagnosis:	Birds damage from predators, High Mortality due to poor ventilation, uncontrolled temperature and unhygienic conditions in traditional dadhwa.
Thematic area:	Poultry farming
No of trials:	10
Category of technology (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Improper housing
T2 –Recommended Practice-	Temporary night shelter for backyard poultry
T3- Recommended Practice-	
Source of technology:	ICAR-DPR, Hyderabad
Characteristics of technology:	Safe secured and low cost portable housing for poultry. Shed for poultry to be constructed by iron and net by which sufficient space (1 square feet/bird), ventilation will be available. It is the safeguard from all type of predators and availability of hygienic conditions
Name of Crop/Enterprises:	Poultry
Farming situation:	Rainfed
Performance indicator/parameter	Body Weight at 40 days of age. Mortality percent till 40 days of age, B: C ratio

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)						

2.1.14

Title of on-farm trial:	Evaluation of poultry breed-Vanshree
Year/Season:	2020
Problem diagnosis:	Unavailability of quality poultry bird
Thematic area:	Poultry farming
No of trials:	10
Category of technology (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Local poultry birds
T2 –Recommended Practice-	Vanashree
T3- Recommended Practice-	
Source of technology:	ICAR-DPR, Hyderabad
Characteristics of technology:	Vanashree was evolved through selective breeding of Aseel, the egg production was 192.5 up to 71 weeks of age
Name of Crop/Enterprises:	Poultry
Farming situation:	Scavenging
Date of sowing:	
Performance indicator/parameter	Body Weight, eggs productivity and Mortality percent upto 12 months of age, B: C ratio

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)						

2.1.15

Title of on-farm trial:	Assessment of drugs Enflavet ointment on Mastitis in high lactating buffalo
Year/Season:	2020
Problem diagnosis:	Poor milk production due to Mastitis
Thematic area:	Animal Disease management
No of trials:	10
Category of technology (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Locally available drugs
T2 –Recommended Practice-	Application of Enflavet ointment (Ayurvedic preparation)
T3- Recommended Practice-	
Source of technology:	IVRI Bareilly
Characteristics of technology:	It is a cheaper and easily applicable
Name of Crop/Enterprises:	Dairy
Farming situation:	Stall feeding
Performance indicator/parameter	Milk productivity and success rate of teat cure, B: C ratio

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)						

2.1.16

Title of on-farm trial:	Assessment of soil test based application of sulphur and boron nutrition on plant growth, pod setting and yield of soybean under Soybean - wheat cropping system
Year/Season:	2020
Problem diagnosis:	Poor growth , pod setting and yield of soybean in sulphur and boron deficit soils
Thematic area:	Integrated Nutrient Management

No of trials:	10
Category of technology (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Application of DAP @ 50 Kg/ha
T2 –Recommended Practice-	Recommended dose of NPK (20:50:20 kg/ha)
T3- Recommended Practice-	Recommended dose of NPK +S @ 25 kg/ha + Boron (11.3%) @ 10 kg/ha
Source of technology:	Journal of Plant Nutrition (2017)
Characteristics of technology:	Sulphur and Boron application improves the nutrient uptake from the soil in Soybean .Soybean requires higher amount of S and B for optimum yield and quality . S also improves crops resistance against pests and diseases
Name of Crop/Enterprises:	Soybean
Farming situation:	Rainfed/Partial irrigated condition
Date of sowing:	
Date of harvesting:	
Performance indicator/parameter	Plant Height(cm),No. of pods/ plant, No. of seeds/pod, 1000 grain weight, Av. grain per plant(no.), Av. nodule per plant (no.) Yield (kg/ha) , Net returns (Rs/ha), B:C ratio

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 effectiveness of ICT tools– Mobile messaging, social media (Whatsapp) in dissemination of improved package of practices in Blackgram
Season & Year	2020/Kharif
Problem identified	Poor sharing of information amidst farming communities
Thematic Area	ICT
Farming situation	Rainfed

Name of Technology under study	Use of whatsapp in dissemination of technologies
Farmers Practice	Limited use of Whatsapp for information regarding blackgram production
No. of replication (Farmers)	50

Results / findings

Performance indicators/ parameters	Unit/ details

2.3. Information about Home Science OFT:

2.3.1

Title of on-farm trial:	Assessment of sprouted cowpea feeding on height and weight gain of malnourished children.
Year/Season:	Kharif ,2020
Farming situation:	Irrigated
Problem diagnosis:	Malnutrition in children below age of 5 years
Thematic area:	Nutritional Security
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-	General diet
T2 –Recommended Practice-	General diet+ sprouted cowpea 40 g/day for one month
T3- Recommended Practice-	
Source of technology:	PAU, Ludhiana,2015
Characteristics of technology:	Cowpea is a good source of energy, protein, vitamins and dietary fibre. Sprouting of cowpea increases the protein by 9-12 %, vitamins by 20-38 times and protein digestibility by 8-20 %, enhances the digestibility of nutrients. Sprouted cowpea feeding will enrich the energy, protein and nutrient level in malnourished children
Name of Crop/Enterprises:	Cowpea
Performance indicator/parameter	Body weight gain(kg), increase in height(cm)

2.3.2

Title of on-farm trial:	Assessment of value addition of aonla on tribal farm family income
Year/Season:	Rabi ,2020
Farming situation:	Rain fed
Problem diagnosis:	Poor socio economic condition of tribal farm families dependent on forest produce
Thematic area:	Income generation
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-	Collection and selling of fresh aonla fruit in the market
T2 –Recommended Practice-	Selling of dried aonla (Amlethi) in the market
T3- Recommended Practice-	Selling of Aonla powder in the market
Source of technology:	CISH, Lucknow,2018
Characteristics of technology:	Technology comprises of washing, cleaning and boiling of aonla for 10 minutes, followed by removal of stones and drying of aonla flakes in sun for 2-3 days and grinding the dried flakes into powder
Name of Crop/Enterprises:	Aonla
Performance indicator/parameter	Increase in Income of tribal farm family(Rs), Recovery of dried aonla/powder per quintal of fresh fruit, B:C ratio, Employment generation(MD)

(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 : -Value addition of Aonla

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)	Selling of fresh fruit in the market					
T ₂ (Recommended Practices)	Selling of dried aonla (Amlethi) in the market					
T ₃ (Recommended Practices)	Selling of Aonla powder in the market					

(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: -Sprouted Cowpea

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)	General diet								
T ₂ (Recommended Practices)	General diet + sprouted cowpea feeding	40 g/day							
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

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

KVK Name	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
Satna	2020	Khari f	Integrated Crop Management	Demonstration on dry seeding technology in Rice	Cereals	Rice	MTU 1010	Rain fed		5								
Satna	2020	Khari f	Integrated Crop Management	Demonstration of raised bed sowing technique of Blackgram	Pulses	Black gram	Pratap Urd 1	Rain fed		5								
Satna	2020	Khari f	Integrated Crop Management	Demonstration on improved production technology of Sesame under upland	Oilseed	Sesame	TKG 21 /TKG 308	Rain fed		5								

KVK Name	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
				shallow soil conditions														
Satna	2020	Khari f	Resource Management	Demonstration of pigeon pea based intercropping system (Pigeon pea + Balckgram) under rain fed farming situation in pigeon pea-fallow cropping sequence	Pulses	Pigeon pea and Black gram	Pigeon pea (TJT 501) + Black gram (PU 31)	Rain fed		5								
Satna	2020	Khari f	Integrated Crop Management	Demonstration of high yielding	Vegetables	Tomato	Kashi Aman	Irrigated		1								

KVK Name	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
				tomato variety Kashi Aman on raised bed, plastic mulching and stacking under Cowpea-tomato-onion cropping system for marginal farmers														
Satna	2020-21	Khari f	Crop Diversification and intensification	Demonstration of vegetable intercropping (Brinjal +Coriander) for	Vegetables	Brinjal and Coriander	Brinjal (Kashi Taru), Coriander (Pant Hariti	Rainfed		2								

KVK Name	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
				ensuring higher returns and minimizing loss due to shoot and fruit borer under brinjal – onion cropping sequence.			ma)											
Satna	2020-21	Khari f	Crop Diversification-inclusion of high valued crops	Demonstration of production technology of Cauliflower during rainy season for ensuring higher income to	Vegetables	Cauliflower	Deepa	Irrigated		2								

KVK Name	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
				small landholders farmers.														
Satna	2020-21	Khari f	Integrated Pest Management	Demonstration on efficacy of myco pesticide Beauveria bassiana with botanical insecticide neem against pod fly and pod borer on Pigeon pea	Pulses	Pigeon pea	-	Rain fed		4								
Satna	2020-21	Khari f	Integrated Disease Management	Demonstration of efficacy of Carboxin 37.5% + Thirum	Cereals	Rice	-	Rain fed		4								

KVK Name	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
				37.5%) for Seed treatment and foliar spray of Pyraclostrobin 10CS for the control of Blast Disease in Rice.														
Satna	2020	Khari f	Integrated Disease Management	Demonstration on Phytophthora blight disease management in Sesame	Oilseed	Sesame	-	-		4								
Satna	2020-21	Rabi	Varietal Evaluation	Demonstration of Zero tillage technology of wheat	Cereals	Varietal Evaluation	JW 3288	Semi irrigated		5								

KVK Name	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
				(JW 3288) under semi-irrigated condition in rice-wheat cropping sequence														
Satna	2020-21	Rabi	Nutrient Management	Demonstration of foliar application of micronutrients in mustard on yield and economic returns	Oilseeds	Mustard	PM 28	Semi irrigated		10								
Satna	2020-21	Rabi	Climate Resilient Technology	Demonstration of late sown wilt resistant variety	Pulses	Chickpea	RVG 202	Semi irrigated		5								

KVK Name	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
				(RVG 202) in rice-chickpea cropping system														
Satna	2020	Rabi	Nutrient Management	Demonstration of foliar application of water soluble fertilizers NPK (18:18:18) and micronutrients Zn and Boron on yield and quality of tomato.	Vegetables	Tomato	Kashi Aman	Irrigated		1								
Satna	2020	Rabi	Income Generation	Demonstration of production technology	Vegetables	Mushroom	Oyster	-		10								

KVK Name	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
				y of oyster mushroom for income generation in marginalized group of farmers														

3.2 Economic Impact of Crop FLD

KVK Name	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)
Satna	Demonstration on dry seeding technology in Rice	Rice	Yield(kg/ha)										

KVK Name	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)
Satna	Demonstration of raised bed sowing technique of Blackgram	Blackgram	Yield(kg/ha)										
Satna	Demonstration on improved production technology of Sesame under upland shallow soil conditions	Sesame	Yield(kg/ha)										
Satna	Demonstration of pigeon pea based intercropping system (Pigeon pea + Balckgram) under rain fed farming situation in pigeon pea-fallow cropping sequence	Pigeon pea and Blackgram	Yield(kg/ha)										

KVK Name	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)
Satna	Demonstration of high yielding tomato variety Kashi Aman on raised bed, plastic mulching and stacking under Cowpea-tomato-onion cropping system for marginal farmers	Tomato	Yield(kg/ha)										

KVK Name	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)
Satna	Demonstration of vegetable intercropping (Brinjal +Coriander) for ensuring higher returns and minimizing loss due to shoot and fruit borer under brinjal – onion cropping sequence.	Brinjal and Coriander	Yield(kg/ha)										
Satna	Demonstration of production technology of Cauliflower during rainy season for ensuring higher income to small landholders farmers.	Cauliflower	Yield(kg/ha)										

KVK Name	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)
Satna	Demonstration on efficacy of myco pesticide Beauveria bassiana with botanical insecticide neem against pod fly and pod borer on Pigeon pea	Pigeon pea	Yield(kg/ha)										
Satna	Demonstration of efficacy of Carboxin 37.5% + Thirum 37.5%) for Seed treatment and foliar spray of Pyraclostrobin 10CS for the control of Blast Disease in Rice.	Rice	Yield(kg/ha)										

KVK Name	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)
Satna	Demonstration on Phytophthora blight disease management in Sesame	Sesame	Yield(kg/ha)										
Satna	Demonstration of Zero tillage technology of wheat (JW 3288) under semi-irrigated condition in rice-wheat cropping sequence	Varietal Evaluation	Yield(kg/ha)										
Satna	Demonstration of foliar application of micronutrients in mustard on yield and economic returns	Mustard	Yield(kg/ha)										

KVK Name	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)
Satna	Demonstration of late sown wilt resistant variety (RVG 202) in rice-chickpea cropping system	Chickpea	Yield(kg/ha)										
	Demonstration of foliar application of water soluble fertilizers NPK (18:18:18) and micronutrients Zn and Boron on yield and quality of tomato.	Tomato	Yield(kg/ha)										

KVK Name	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 production technology of oyster mushroom for income generation in marginalized group of farmers	Mushroom	Yield(kg/bag)										

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

KVK Name	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

3.4 Economic Impact of Agriculture Engineering FLD

KVK Name	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)

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

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop/ Enterprise	Name of Variety /Technology/ Enterprise	Farmin g 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
Satna	2020	-	Breed Evaluation	Demonstration of improved poultry birds in back yard system	Poultry farming	Poultry	Kadaknath	Rainfed		10								
Satna	2020	-	Animal Health Management	Demonstration on management of ecto-parasite	Live stock	buffalo	-	-		10								

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farmer 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
			gement	infestation in buffalo														
Satna	2020	-	Farm Waste Management	Demonstration on Jai Gopal (Perionyx ceylanesis) species of Worms against Eisinia foetida for decomposition of farm waste	Composting	Vermis	Jai Gopal (Perionyx ceylanesis)	-		10								
Satna	2020	-	LPM	Demonstration on up gradation of goat	Livestock	Goat	-	-		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 improved poultry birds in back yard system	Poultry	Body weight gain(kg)										
Demonstration on management of ecto-parasite infestation in buffalo	Buffalo	Increase in milk yield (kg/animal)										
Demonstration on Jai Gopal (Perionyx ceylanesis) species of Worms against Eisinia foetida for decomposition of farm waste	vermicompost	Yield of Vermicompost(kg /bed)										
Demonstration on up gradation of goat	Goat	No. of kids And weight of kids										

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

KVK Name	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

KVK Name	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)

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

KVK Name	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	Others	General	Total
Satna	2020	Kharif	Drudgery reduction	Demonstration of improved serrated sickles for harvesting of rice	Rice	Improved Serrated sickle	10								
Satna	2020	Rabi	Income Generation	Demonstration of low cost backyard poultry farming among tribal farm women		Keg Golden	10								
Satna	2020	Rabi	Income Generation	Demonstration of solar low cost drying technique of aonla		Desi Aonla	10								
Satna	2020	Kharif	Nutritional Security	Establishment of model nutritional Kitchen garden		Fruits/Vegetables/Spices	2.0								

Economic Performance Home Science FLD: (Drudgery Reduction)

KVK name	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
Satna	Demonstration of serrated sickles for harvesting of rice														

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

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
Satna	Demonstration of low cost backyard poultry farming among tribal farm women										

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
	Demonstration of solar low cost drying technique of aonla												

Economic Performance Home Science FLD: (For Nutritional security)

KVK name	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		
Satna	Establishment of model nutritional Kitchen garden																				

3.16 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Satna	Rice	Field days	01	50	
		Farmers Training	03	90	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Green Gram	Field days	01	50	
		Farmers Training	02	70	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Blackgram	Field days	01	50	
		Farmers Training	03	60	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Pigeonpea	Field days	01	50	
		Farmers Training	03	90	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Satna	Soybean	Field days	01	50	
		Farmers Training	03	90	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Cauliflower	Field days	01	50	
		Farmers Training	02	30	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Wheat	Field days	01	50	
		Farmers Training	03	90	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Chickpea	Field days	01	50	
		Farmers Training	03	90	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Onion	Field days	01	50	
		Farmers Training	02	30	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Mushroom	Field days	01	50	
		Farmers Training	03	90	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Mustard	Field days	01	50	
		Farmers Training	02	30	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Buffalo	Field days	01	50	
		Farmers Training	02	30	
		Media coverage	01	Mass	

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
		Training for extension functionaries	01	40	
Satna	Goat	Field days	03	90	
		Farmers Training	01	Mass	
		Media coverage	01	40	
		Training for extension functionaries	01	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.

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

Name of KVK	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
Satna	FW	ONC	Crop Production	Weed Management	Integrated weed management in Kharif Crops	01	02								
Satna	FW	OFC	Crop Production	Weed Management	Integrated weed management in wheat	01	02								
Satna	FW	OFC	Crop Production	Resource Conservation Technologies	Improved methods of sowing and cultural operations for enhancing productivity of kharif pulses and oilseed crops	1	02								
Satna	FW	OFC	Crop Production	Resource Conservation Technologies	Improved methods of sowing Kharif pulses and oilseed crops	01	02								
Satna	FW	ONC	Crop Production	Resource Conservation Technologies	Dry sowing technology of wheat	01	02								
Satna	FW	ONC	Crop Production	Resource Conservation Technologies	Zero tillage sowing technique in Wheat	01	02								
Satna	FW	ONC	Crop Production	Cropping Systems	Efficient and profitable cropping pattern for rain fed and limited irrigation farming situation	01	02								
Satna	FW	ONC	Crop Production	Crop Diversification	Diversification of Cereals based cropping system to Pulse and Oilseeds based	01	02								
Satna	FW	ONC	Crop Production	Integrated	Integrated farming system module for	1	1								

Name of KVK	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
				Farming	improving nutritional and economic security of small and marginal farmers.										
Satna			Crop Production	Micro irrigation/irrigation											
Satna			Crop Production	Seed production											
Satna			Crop Production	Nursery management											
Satna	FW	ONC	Crop Production	Integrated Crop Management	Summer cultivation of Greengram and Blackgram										
Satna	FW	ONC	Crop Production	Integrated Crop Management	Integrated Crop Management Practices in Mustard	01	02								
Satna			Crop Production	Soil & water conservation											
Satna	FW	OFC	Crop Production	Integrated nutrient Management	Foliar application of water soluble fertilizers in Rabi crops										
Satna	FW	OFC	Crop Production	Production of organic inputs											
Satna			Crop Production	Others(Pl. Specify)											
Satna	FW	OFC	Horticulture (Vegetable Crops)	Production of low volume and high value crops	Layout and Planning for year round production of vegetables	01	01								
Satna	FW	OFC			Foliar application of water soluble fertilizers in vegetables	1	01								

Name of KVK	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
Satna	FW	ONC			Improved production and management practices in cucurbits cultivation	01	02								
Satna	FW	ONC			Improved production technology for Leafy coriander and radish	01	02								
Satna	FW	OFC			Improved production technology of cauliflower during rainy season	01	01								
Satna	FW	ONC			Profitable vegetable based cropping patterns for marginal farmers under irrigated conditions	01	01								
Satna			Horticulture (Vegetable Crops)	Off season vegetables											
Satna	FW	OFC	Horticulture (Vegetable Crops)	Nursery raising	Nursery raising technique of cucurbitaceous vegetables in poly bags	01	25								
Satna	FW	OFC			Nursery raising techniques for Kharif season vegetables.	01	02								
Satna	FW	ONC	Horticulture (Vegetable Crops)	Exotic vegetables	Production technology of rare vegetables	01	02								
Satna			Horticulture (Vegetable Crops)	Export potential vegetables											
Satna			Horticulture (Vegetable Crops)	Grading and standardization											

Name of KVK	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
Satna			Horticulture (Vegetable Crops)	Protective cultivation											
Satna			Horticulture (Vegetable Crops)	Others(Pl. Specify)											
Satna	FW		Horticulture (Fruits)	Training and Pruning											
Satna			Horticulture (Fruits)	Layout and Management of Orchards	Layout, planting technique and moisture conservation methods for planting fruit trees in and around homestead	01	01								
Satna			Horticulture (Fruits)	Cultivation of Fruit											
Satna			Horticulture (Fruits)	Management of young plants/orchards											
Satna			Horticulture (Fruits)	Rejuvenation of old orchards											
Satna			Horticulture (Fruits)	Export potential fruits											
Satna			Horticulture (Fruits)	Micro irrigation systems of orchards											
Satna			Horticulture (Fruits)	Plant propagation techniques											
Satna			Horticulture (Fruits)	Others (Pl. Specify)											

Name of KVK	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
Satna			Horticulture (Ornamental Plants)	Nursery Management											
Satna			Horticulture (Ornamental Plants)	Management of potted plants											
Satna			Horticulture (Ornamental Plants)	Export potential of ornamental plants											
Satna			Horticulture (Ornamental Plants)	Propagation techniques of Ornamental Plants											
Satna			Horticulture (Ornamental Plants)	Others (Pl. Specify)											
Satna			Horticulture(Platnation crops)	Production and Management technology											
Satna			Horticulture(Platnation crops)	Processing and value addition											
Satna			Horticulture(Platnation crops)	Others (Pl. Specify)											
Satna			Horticulture(Tuber crops)	Production and Management technology											
Satna			Horticulture(Tuber crops)	Processing and value addition											
Satna			Horticulture(Tuber crops)	Others (Pl. Specify)											

Name of KVK	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
			er crops)												
Satna	FW	OFC	Horticulture(Spices)	Production and Management technology	Foliar application of water soluble nutrients in onion and garlic	1	01								
Satna	FW	OFC			Improved production and management practices in Zinger and Turmeric.	01	01								
Satna	FW	ONC			Improved cultivation technology for garlic and onion.	01	02								
Satna			Horticulture(Spices)	Processing and value addition											
Satna			Horticulture(Spices)	Others (Pl. Specify)											
Satna			Horticulture(Medicinal and Aromatic Plants)	Nursery management											
Satna			Horticulture(Medicinal and Aromatic Plants)	Production and management technology											
Satna			Horticulture(Medicinal and Aromatic Plants)	Post harvest technology and value addition											
Satna			Horticulture(Medicinal and Aromatic Plants)	Others (Pl. Specify)											
Satna	FW	ONC	Soil Health and Fertility Management	Soil fertility management	Techniques of improving fertility status of soil	01	02								

Name of KVK	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
Satna	FW	OFC	Soil Health and Fertility Management	Integrated water management	Water management in late sown wheat	1	01								
Satna	FW	OFC	Soil Health and Fertility Management	Integrated Nutrient Management	Foliar application of nutrients in field crops	1	01								
Satna	FW	ONC	Soil Health and Fertility Management	Production and use of organic inputs	Different techniques of composting	01	02								
Satna		OFC	Soil Health and Fertility Management	Management of Problematic soils	Reclamation of problematic soils	01	01								
Satna			Soil Health and Fertility Management	Micro nutrient deficiency in crops											
Satna			Soil Health and Fertility Management	Nutrient Use Efficiency											
Satna			Soil Health and Fertility Management	Balance Use of fertilizer											
Satna	FW	OFC	Soil Health and Fertility Management	Soil & water testing	Technique of collecting oil sample for testing	01	01								
Satna			Soil Health and Fertility Management	Organic Farming											
Satna			Soil Health and	Others (Pl. Specify)											

Name of KVK	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
			Fertility Management												
Satna			Livestock Production and Management	Dairy Management											
Satna			Livestock Production and Management	Poultry Management											
Satna			Livestock Production and Management	Piggery Management											
Satna			Livestock Production and Management	Rabbit Management											
Satna	FW	OFC	Livestock Production and Management	Animal Nutrition Management	Feeding management of pregnant goat	1	01								
Satna	FW	ONC	Livestock Production and Management	Animal Nutrition Management	Feed and mineral mixture management through locally available ingredients for poultry.	1	02								
Satna	FW	ONC	Livestock Production and Management	Animal Nutrition Management	Low cost housing for goat to minimise adverse effect of climate.	1	02								
Satna	FW	OFC	Livestock Production and Management	Animal Nutrition Management	Nutrient supplementation in poultry feeding.	1	01								
Satna	FW	OFC	Livestock Production and	Disease Management	Integrated management of infectious diseases in small animals	1	01								

Name of KVK	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												
Satna	FW	OFC	Livestock Production and Management	Disease Management	Disease management of dairy animals	1	01								
Satna	FW	OFC	Livestock Production and Management	Feed & fodder technologies	Production technology of berseem	1	01								
Satna	FW	OFC	Livestock Production and Management	Feed & fodder technologies	Forage management in lean period	1	01								
Satna	FW	OFC	Livestock Production and Management	Feed & fodder technologies	Care and feeding of upgraded progeny of Goat.	1	01								
Satna	FW	OFC	Livestock Production and Management	Feed & fodder technologies	Feeding of pregnant goat	1	01								
Satna	FW	OFC	Livestock Production and Management	Feed & fodder technologies	Forage management in lean period for buffalo.	1	01								
Satna			Livestock Production and Management	Production of quality animal products											
Satna	FW	OFC	Livestock Production and Management	Animal Health Care	Care and management of newly borne calves in winter season	1	01								
Satna	FW	OFC	Livestock Production and Management	Animal Health Care	Importance of de- worming and vaccination in goat.	1	01								

Name of KVK	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
Satna	FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nursery raising technique for cucurbitaceous vegetables in polybag	1	01								
Satna	FW	ONC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Household food security by Kitchen gardening and nutrition gardening	1	02								
Satna	FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Water saving techniques at household level and disposal of kitchen waste	1	01								
Satna	FW	ONC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Preparation of balanced diet for farm family through seasonally available local foods	1	02								
Satna	FW	OFC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Design and development of low/minimum cost diet	1	01								
Satna	FW	ONC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Preparation of weaning food from locally available seasonal foods	1	02								

Name of KVK	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
Satna	FW	OFC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Design and layout of nutritional Kitchen garden	1	01								
Satna			Home Science/Women empowerment	Designing and development for high nutrient efficiency diet											
Satna			Home Science/Women empowerment	Minimization of nutrient loss in processing											
Satna			Home Science/Women empowerment	Processing & cooking											
Satna			Home Science/Women empowerment	Gender mainstreaming through SHGs											
Satna	FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques	Safe storage of food grains	1	01								
Satna	FW	ONC	Home Science/Women empowerment	Value addition	Value addition of ber	1	02								
Satna	FW	OFC	Home Science/Women empowerment	Value addition	Preparation of value added low cost nutrition recipes from cereals and pulses.	1	01								
Satna	FW	ONC	Home Science/Women	Value addition	Preservation of aonla i.e. murrabba, chutney pickle, powder	1	02								

Name of KVK	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												
Satna			Home Science/Women empowerment	Women empowerment											
Satna			Home Science/Women empowerment	Location specific drudgery reduction technologies											
Satna			Home Science/Women empowerment	Rural Crafts											
Satna	FW	OFC	Home Science/Women empowerment	Women and child care	Techniques of storing safe drinking water	1	02								
Satna			Home Science/Women empowerment	Others (Pl. Specify)											
Satna			Agril. Engineering	Farm machinery & its maintenance											
Satna			Agril. Engineering	Installation and maintenance of micro irrigation systems											
Satna			Agril. Engineering	Use of Plastics in farming practices											
Satna			Agril. Engineering	Production of small tools and implements											

Name of KVK	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
Satna			Agril. Engineering	Repair and maintenance of farm machinery and implements											
Satna			Agril. Engineering	Small scale processing and value addition											
Satna			Agril. Engineering	Post Harvest Technology											
Satna			Agril. Engineering	Others (Pl. Specify)											
Satna	FW	ONC	Plant Protection	Integrated Pest Management	Aphid management in Mustard	1	02								
Satna	FW	OFC	Plant Protection	Integrated Pest Management	Integrated insect pest and disease management in winter vegetables crops	1	01								
Satna	FW	OFC	Plant Protection	Integrated Pest Management	Management of bacterial wilt, red pumpkin beetle and fruit fly in cucurbits	1	01								
Satna	FW	OFC	Plant Protection	Integrated Pest Management	Integrated Pest management in Okra	01	01								
Satna	FW	OFC	Plant Protection	Integrated Pest Management	Plant Protection measures in summer vegetables	01	01								
Satna	FW	ONC	Plant Protection	Integrated Pest Management	Integrated pest management in Kharif pulses and oilseed crops	01	01								
Satna	FW	ONC	Plant Protection	Integrated Pest Management	Integrated pest management in Rice	01	02								

Name of KVK	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
Satna	FW	OFC	Plant Protection	Integrated Disease Management	Integrated Disease management in kharif pulse crops	01	02								
Satna	FW	OFC	Plant Protection	Integrated Disease Management	Management of Bacterial Leaf blight Disease in Rice.	01	01								
Satna	FW	OFC	Plant Protection	Integrated Disease Management	Management of false smut disease in Rice crop	01	01								
Satna	FW	OFC	Plant Protection	Integrated Disease Management	Method of seed treatment in crop disease management	01	01								
Satna			Plant Protection	Biocontrol of pests and diseases											
Satna		ONC	Plant Protection	Production of bio control agents and bio pesticides	Preparation technology of eco friendly bio- pesticides i.e. NSKE and NPV	01	02								
Satna			Plant Protection	Others (Pl. Specify)											
Satna			Fisheries	Integrated fish farming											
Satna			Fisheries	Carp breeding and hatchery management											
Satna			Fisheries	Carp fry and fingerling rearing											
Satna			Fisheries	Composite fish culture											
Satna			Fisheries	Hatchery management and culture of freshwater prawn											

Name of KVK	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
Satna			Fisheries	Breeding and culture of ornamental fishes											
Satna			Fisheries	Portable plastic carp hatchery											
Satna			Fisheries	Pen culture of fish and prawn											
Satna			Fisheries	Shrimp farming											
Satna			Fisheries	Edible oyster farming											
Satna			Fisheries	Pearl culture											
Satna			Fisheries	Fish processing and value addition											
Satna			Fisheries	Others (Pl. Specify)											
Satna			Production of Input at site	Seed Production											
Satna			Production of Input at site	Planting material production											
Satna			Production of Input at site	Bio0agents production											
Satna			Production of Input at site	Bio0pesticides production											
Satna			Production of Input at site	Bio0fertilizer production											
Satna			Production of Input at site	Vermi0compost production											
Satna			Production of	Organic manures											

Name of KVK	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
			Input at site	production											
Satna			Production of Input at site	Production of fry and fingerlings											
Satna			Production of Input at site	Production of Bee0colonies and wax sheets											
Satna			Production of Input at site	Small tools and implements											
Satna			Production of Input at site	Production of livestock feed and fodder											
Satna			Production of Input at site	Production of Fish feed											
Satna			Production of Input at site	Mushroom production											
Satna			Production of Input at site	Apiculture											
Satna			Production of Input at site	Others (Pl. Specify)											
Satna	FW	ONC	Capacity Building and Group Dynamics	Leadership development	Functions and Importance of leadership in seed production	01	02								
Satna	FW	ONC	Capacity Building and Group Dynamics	Leadership development	Leadership development in Krishi Gyan Doot (KGDs)	01	02								
Satna	FW	ONC	Capacity Building and Group Dynamics	Leadership development	Knowledge up gradation of Input Supplier/Agriculture Service Provider	01	02								

Name of KVK	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
Satna	FW	OFC	Capacity Building and Group Dynamics	Group dynamics	Application of water soluble fertilizers in Rabi crops through FIGs	1	01								
Satna	FW	ONC	Capacity Building and Group Dynamics	Group dynamics	Agricultural Technology application through Panchayat Raj Institutions (PRI)	01	02								
Satna	FW	OFC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Formation and strengthening of SHGs	01	02								
Satna	FW	ONC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Rice seed production through Farmers Interest Groups (FIGs)	01	02								
Satna	FW	ONC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Lentil seed production through FIGs	01	02								
Satna			Capacity Building and Group Dynamics	Mobilization of social capital											
Satna			Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths											
Satna			Capacity Building and Group Dynamics	WTO and IPR issues											
Satna	FW	ONC	Capacity Building and Group Dynamics	Soil & Water Conservation	Soil & Water Conservation techniques in sloppy lands	01	02								

Name of KVK	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
Satna	FW	ONC	Capacity Building and Group Dynamics	Soil & Water Conservation	Raising of deferent type of barriers to control gully formation	01	02								
Satna	FW	ONC	Capacity Building and Group Dynamics	Soil & Water Conservation	Construction of small structures for conservation of rain water on hillocks	01	02								
Satna			Agro forestry	Production technologies											
Satna			Agro forestry	Nursery management											
Satna			Agro forestry	Integrated Farming Systems											
Satna			Agro forestry	Others (Pl. Specify)											

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
Satna	RY	ONC	Nursery Management of Horticulture crops	Off Season Cultivation of vegetables	01	05								
Satna	RY		Training and pruning of orchards											
Satna	RY		Protected cultivation of vegetable crops											
Satna	RY		Commercial fruit production											
Satna	RY		Integrated farming											

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
Satna	RY	ONC	Seed production	Seed production techniques of Greengram and Blackgram	01	5								
Satna				Seed production techniques of Chickpea	1	5								
Satna	RY	ONC	Production of organic inputs	Preparation and use of organic inputs	01	20								
Satna		ONC		Bioagent production	01	20								
Satna	RY	ONC	Planting material production	Various propagation techniques involved in raising nursery of fruit plants	01	10								
Satna	RY		Vermi culture											
Satna	RY	ONC	Mushroom Production	Mushroom Production	01	20								
Satna	RY		Bee keeping											
Satna	RY		Sericulture											
Satna	RY		Repair and maintenance of farm machinery and implements											
Satna	RY		Value addition											
Satna	RY		Small scale processing											
Satna	RY		Post Harvest Technology											
Satna	RY	OFC	Tailoring and Stitching	Tailoring and Stitching	1	30								
Satna	RY		Rural Crafts											
Satna	RY		Production of quality animal products											
Satna	RY	ONC	Dairying	Dairy management	1	10								
Satna	RY		Sheep and goat rearing											
Satna	RY		Quail farming											

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
Satna	RY		Piggery											
Satna	RY		Rabbit farming											
Satna	RY		Poultry production											
Satna	RY		Ornamental fisheries											
Satna	RY		Composite fish culture											
Satna	RY		Freshwater prawn culture											
Satna	RY		Shrimp farming											
Satna	RY		Pearl culture											
Satna	RY		Cold water fisheries											
Satna	RY		Fish harvest and processing technology											
Satna	RY		Fry and fingerling rearing											
Satna	RY		Others(Pl. Specify)											
Satna	RY	ONC	Soil testing	Soil testing through Mirda Parikshak	01	5								

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
Satna	IS	ONC	Productivity enhancement in field crops	Optimum crop combinations and planting geometry for intercropping of pulses and oilseeds	01	02								
Satna		ONC		Resource Conservation technologies for rain fed farming system	01	02								

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
Satna	IS	ONC	Integrated Pest Management	Identification, diagnosis & pest management in Kharif crops	01	02								
Satna		ONC		Identification, diagnosis & integrated pest management in Rabi crops	01	02								
Satna	IS	ONC	Integrated Nutrient management	Diagnosis of nutrient deficiencies in Rabi pulse and oilseeds crops and their remedial measures	01	02								
Satna	IS		Rejuvenation of old orchards											
Satna	IS		Protected cultivation technology											
Satna														
Satna	IS		Production and use of organic inputs											
Satna	IS		Care and maintenance of farm machinery and implements											
Satna	IS		Gender mainstreaming through SHGs											
Satna	IS		Formation and Management of SHGs											
Satna	IS	ONC	Women and Child care	Nutritional Diet for Pregnant and Lactating Women	1	02								
Satna	IS	ONC	Low cost and nutrient	Nutrient rich locally	1	02								

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
			efficient diet designing	available foods for pre school children										
Satna	IS		Group Dynamics and farmers organization											
Satna	IS		Information networking among farmers											
Satna	IS	OFC	Capacity building for ICT application	Role of ICT for Soil and water conservation	01	02								
Satna		OFC		Use of ICT tools in dissemination of agricultural technologies	01	02								
Satna	IS	ONC	Management in farm animals	Integrated management of infectious diseases in dairy animals	1	3								
Satna	IS		Livestock feed and fodder production											
Satna	IS		Household food security											
Satna	IS		Others(Horticulture)											
Satna	IS	ONC	Income Generation	Recent technologies in high valued horticultural crops for enhancing farmers income.	01	02								
Satna	IS	ONC	Income Generation	Multi storied cropping and intercropping system in Horticultural crops	01	02								

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

Name of KVK	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
Satna	Crop production and management	Commercial floriculture	-	-	-	-									
Satna	Crop production and management	Commercial fruit production	-	-	-	-									
Satna	Crop production and management	Commercial vegetable production	Off season Vegetable Production	Vegetables	Employment generation for rural youths	05									
Satna	Crop production and management	Integrated crop management													
Satna	Crop production and management	Organic farming	Organic grower	Organic farming	Employment generation for rural youths	1									
Satna	Crop production and management	Others(Pl. Specify)													
Satna	Post harvest technology and value addition	Value addition	Value addition of Aonla	Aonla	Employment generation for rural youths										
Satna	Post harvest technology	Others(Pl. Specify)													

Name of KVK	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
	and value addition														
Satna	Livestock and fisheries	Dairy farming													
Satna	Livestock and fisheries	Composite fish culture													
Satna	Livestock and fisheries	Sheep and goat rearing													
Satna	Livestock and fisheries	Piggery													
Satna	Livestock and fisheries	Poultry farming	Poultry farming	Livestock	Employment generation for rural youths	1	10								
Satna	Livestock and fisheries	Others(Pl. Specify)													
Satna	Income generation activities	Vermi-composting	Vermi Compost Production	Livestock	Employment generation for rural youths	1	10								
Satna	Income generation activities	Production of bio-agents, bio-pesticides,													
Satna	Income generation activities	Bio-fertilizers etc.													
Satna	Income generation activities	Repair and maintenance of farm machinery & implements													
Satna	Income generation activities	Rural Crafts													
Satna	Income generation	Seed production	Pulses	Employment	1	35									

Name of KVK	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			t generation for rural youths											
Satna	Income generation activities	Sericulture													
Satna	Income generation activities	Mushroom cultivation	Mushroom Production	Mushroom	Employment generation for rural youths	1	50								
Satna	Income generation activities	Nursery, grafting etc.	Various propagation techniques involved in raising nursery of fruit plants	Nursery	Employment generation for rural youths	1	10								
Satna	Income generation activities	Tailoring, stitching, embroidery, dying etc.	Stitching Training	Women Empowerment	Employment generation for rural youths	1	30								
Satna	Income generation activities	Agril. para0workers, para0vet training	Paravet	Livestock	Employment generation for rural	1	30								

Name of KVK	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
					youths										
Satna	Income generation activities	Others(Pl. Specify)	Bee Keeping	Bee Keeping	Employment generation for rural youths	1	10								
Satna	Agricultural Extension	Capacity building and group dynamics													
Satna	Agricultural Extension	Others(Pl. Specify)													

Table 5.5. Sponsored Training Programmes

Client (F &FW/FW/ RY/ IS)	Tit le	Thematic area	Sub-theme	Training Title	Durati on (days)	No. of cour ses	No. of Participants								Spon sorin g Agen cy	Fund received for training (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	Contingent crop planning during drought situation	01	02										
FW		Crop production and management	Commercial production of vegetables	Production technology of low volume high value rainy season vegetable crops	01	02										
FW		Crop production and management	Production and value addition													

Client (F &FW/F W/ RY/ IS)	Tit le	Thematic area	Sub-theme	Training Title	Durati on (days)	No. of cour ses	No. of Participants								Spon sorin g Agen cy	Fund received for training (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
FW		Crop production and management	Fruit Plants													
FW		Crop production and management	Ornamental plants													
FW		Crop production and management	Spices crops	Best management practices in Ginger and turmeric cultivation	01	02										
FW		Crop production and management	Soil health and fertility management	Soil test based fertilizer (STFR) application in kharif pulses												
FW		Crop production and management	Production of Inputs at site	Vermicomposting and biodynamic preparations												
FW		Crop production and management	Methods of protective cultivation	Nursery raising techniques for vegetables in poly/insect proof net tunnels												
FW		Crop production and management	Others(Pl. Specify)													
FW		Post harvest technology and value addition	Processing and value addition	Value addition of Aonla	1	40										
FW		Post harvest technology	Others(Pl. Specify)													

Client (F &FW/F W/ RY/ IS)	Tit le	Thematic area	Sub-theme	Training Title	Durati on (days)	No. of cour ses	No. of Participants								Spon sorin g Agen cy	Fund received for training (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
		and value addition														
FW		Farm machinery	Farm machinery, tools and implements	Care and maintenance of farm implements	01	20										
FW		Farm machinery	Others(Pl. Specify)													
FW		Livestock and fisheries	Livestock production and management	Protecting goats from heat stress	01	25										
FW		Livestock and fisheries	Animal Nutrition Management	Micronutrient supplementation of Animal feed	01	30										
FW		Livestock and fisheries	Animal Disease Management	Management of Mestritis and FMD	01	30										
FW		Livestock and fisheries	Fisheries Nutrition													
FW		Livestock and fisheries	Fisheries Management													
FW		Livestock and fisheries	Others(Pl. Specify)													
FW		Home Science	Household nutritional security	Layout and establishment of nutritional kitchen garden	01	30										
FW		Home Science	Economic empowerment of women	Mushroom production	01	45										
FW		Home Science	Drudgery reduction of women	Use of wheel hoe and serrated sickles in farm operations	01	30										
FW		Home Science	Others(Pl. Specify)													

Client (F &FW/F W/ RY/ IS)	Tit le	Thematic area	Sub-theme	Training Title	Durati on (days)	No. of cour ses	No. of Participants								Spon sorin g Agen cy	Fund received for training (Rs.)
							Gen		Othe rs		SC		ST			
							M	F	M	F	M	F	M	F		
FW		Agricultural Extension	Capacity Building and Group Dynamics	Formation , management and empowerment of SHGs/FIGs	01	25										
FW		Agricultural Extension	Others(Pl. Specify)	Use of ICT tools in technology dissemination	01											

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	
Satna	Goat farming				
Satna	Backyard Poultry farming				
Satna	Mushroom farming				
Satna	Backyard vegetable 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		
Basic skills and group works for leadership development	CBD	Leadership Development	FW	02	01										

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		
Techniques of soil and water conservation	SWC	Soil and Water conservation	FW	02	01										
Participatory Rural Appraisal technique	CBD	PRA	IS	02	01										

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	01	20
Design and development of low/minimum cost diet	01	25
Designing and development for high nutrient efficiency diet	01	30
Minimization of nutrient loss in processing	01	20
Processing and cooking	01	20
Gender mainstreaming through SHGs	01	20
Storage loss minimization techniques	01	20
Value addition	01	25
Women empowerment	01	30
Location specific drudgery reduction technologies	01	20
Rural Crafts	01	25
Women and child care	01	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-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Crop Production		

Area of Training	Jan-Dec-2019	
	Courses	Participants
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)
Layout, planting technique and moisture conservation methods for planting fruit trees in and around homestead										
Improved production and management practices in Bitter gourd cultivation										
Profitable vegetable based cropping patterns for marginal farmers under irrigated conditions										

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		
Nursery raising techniques for Kharif season vegetables.										
Improved production and management practices in Zinger and Turmeric.										
Improved production technology for Leafy coriander and radish .										
Various propagation techniques involved in raising nursery of fruit plants										
Improved cultivation technology for garlic and onion.										
Nursery raising technique of cucurbitaceous vegetables in poly bags.										
Foliar application of water soluble nutrients in onion and garlic										

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		
Off Season Cultivation of vegetables										
Improved methods of sowing Kharif pulses and oilseed crops										
Integrated weed management in Kharif Crops										
Integrated Crop Management Practices in Mustard										
Dry sowing technology of wheat										
Zero tillage sowing technique in Wheat										
Integrated weed management in wheat										
Resource Conservation technologies for rain fed farming system										
Techniques of protecting crops against frost injury										

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		
Foliar application of water soluble fertilizers in Rabi crops										
Summer cultivation of Greengram and Blackgram										
Rice seed production through Farmers Interest Groups (FIGs)										
Improved seed production techniques of Rice through organized Farm Women										
Functions and Importance of leadership in seed production										
Formation and strengthening of SHGs										
Lentil seed production through FIGs										

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		
Leadership development in Krishi Gyan Doot (KGDs)										
Application of water soluble fertilizers in Rabi crops through FIGs										
Preparation and use of organic inputs										
Water management in late sown wheat										
Integrated Pest management in Okra										
Integrated Disease management in kharif pulse crops										
Plant Protection measures in summer vegetables										
Integrated pest management in Kharif pulses and oilseed crops										
Integrated pest management in Rice										

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		
Identification, diagnosis & pest management in Kharif crops										
Management of Bacterial Leaf blight Disease in Rice.										
Management of false smut disease in Rice crop										
Method of seed treatment in crop disease management										
Mushroom Production										
Preparation technology of eco friendly bio-pesticides i.e. NSKE and NPV										
Integrated pest management of Mustard										
Integrated insect pest and disease management in vegetables crops										

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		
Management of bacterial wilt, red pumpkin beetle and fruit fly in cucurbits										
Feed and mineral mixture management for improving milk production in buffaloes.										
Preparation of balance feed through locally available ingredients for heifers.										
Importance of de-worming and vaccination.										
Feeding management of newly borne (up to first three months of age)calves										
Care and feeding of upgraded progeny of Goat.										

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		
Integrated management of infectious diseases in dairy animals										
Integrated management of infectious diseases in small animals										
Anthelmintic drug management in controlling fascioliasis in sheep										
Importance of deworming and vaccination in goat.										
Forage management in lean period										
Dairy management										
Feeding of pregnant goat										
Forage management in lean period for buffalo.										
Safe storage of food grains										

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		
Nutritional Diet for Pregnant and Lactating Women										
Preparation of balanced diet for farm family through seasonally available local foods										
Design and development of low/minimum cost diet										
Tailoring and Stitching										
Techniques of storing safe drinking water										
Preparation of weaning food from locally available seasonal foods										
Nutrient rich locally available foods for pre school children										
Design and layout of nutritional Kitchen garden										

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		
Nursery raising technique for cucurbitaceous vegetables in polybag										
Preparation of value added low cost nutrition recipes from cereals and pulses.										
Different techniques of composting										
Diagnosis of nutrient deficiencies in Rabi pulse and oilseeds crops and their remedial measures										
Foliar application of nutrients in field crops										
Foliar application of water soluble fertilizers in vegetables										

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpos e	Topics	Crop Stages
				M	F	M	F	M	F	M	F			
Satna	Agri mobile clinic	-												
Satna	Animal Health Camp	4												
Satna	Awareness programme	4												
Satna	Celebration of important days	12												
Satna	Diagnostic visits	96												
Satna	Exhibition	6												
Satna	Exposure visits	2												
Satna	Ex-trainees Sammelan	1												
Satna	Farm advisory Services	200												
Satna	Farmers visit to KVK	10000												
Satna	Field Day	20												
Satna	Group meetings	10												
Satna	Kisan Ghosthi/Sammelán	30												
Satna	Kisan Mela	2												
Satna	Krishi Mahotsav	1												
Satna	Lectures delivered as resource persons	24												
Satna	Mahila Mandals conveners meetings	1												
Satna	Method Demonstrations	24												
Satna	Pradhanmantri phasal beema yojana	1												
Satna	Scientific visit to farmers field	96												
Satna	Self Help Group conveners meetings	2												
Satna	Soil health Camp	4												
Satna	Soil test campaigns	2												

Name of the KVK	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
Satna	Technology Week	1												
Satna	Radio talks	5												
Satna	Extension literature	20												
Satna	TV talks	-												
Satna	Newspaper coverage	40												
Satna	Film Show	60												
Satna	Others	2												

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	0			
Newspaper coverage	40			
Internet (Youtube)	12			
Social media (Whats App, Facebook, Instagram, Twitter etc.)	48			

12. 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.
Satna	January to March 2020	Q1	500		
Satna	April to June 2020	Q2	500		
Satna	July to September 2020	Q3	500		
Satna	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)
Satna	Abstract	8
Satna	Book	0
Satna	Book Chapter	2
Satna	Booklet	0
Satna	Leaflets/ Folder/ Pamphlet	20 (10000)
Satna	Popular article	20
Satna	Technical Bulletin	4 (2000)
Satna	Training Manual	4 (800)
Satna	Technical Report	6 (30)
Satna	Year Planner	1 (10)
Satna	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
Satna					
Satna					

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Satna	CD	Production Technology of Rice	200
Satna	CD	Production Technology of Kharif Tomato	200
Satna	CD	Production Technology of Chillies	200
Satna	CD	Seed Production Technology of gram	200
Satna	CD	Seed Production Technology of Wheat	200
Satna	CD	Transplanted Pigeon pea Technology	200
Satna	CD	Disease Management in Pulse crops	200
Satna	CD	Disease Management in oilseed crops crops	200

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.)
Satna	Cereals	Rice	JR-767	6.90			
Satna		Rice	Swarna shreya	3.50			
Satna		Rice	JRB-1	2.40			
Satna		Rice	MTU-1010	12.30			
Satna		Rice	JR 81	10.5			
Satna		Rice	Pant sungandh -27	2.5			
Satna		Wheat	HD-3226	6.00			
Satna		Wheat	JW 3382	3.00			
Satna		Wheat	JW 3288	2.50			
Satna		Wheat	HI 8777	2.60			
Satna		Wheat	HI 8759	8.00			
Satna		Wheat	HI 1605	4.90			
Satna		Wheat	HI 1612	5.70			
Satna		Kodo millet	--	3.20			
Satna	Pulses	Black gram	Pratap urd 1	3.50			
Satna			PU-40	1.50			
Satna		Chickpea	JG-12	6.00			
Satna			RVG 202	2.00			
Satna	Oilseed	Sesame	RT-351	1.60			
Satna			TKG-308	1.4			
Satna		Niger	JN 30	0.90			
Satna		Mustard	Giriraj	3.90			
Satna			Pusa Mustard- 28	2.10			

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Satna			Pusa Mustard- 30	0.80			
Satna	Spices	Chillies	Kashi Anmol 2, Pusa Sada Bahar	0.05			
Satna		Zinger	Suprabha	1.00			
Satna		Turmeric	Pant Pitambh	4.00			
Satna		Coriander	Pant Haritima	0.20			
Satna		Fenugreek	PEB, Kasuri methi	0.10			
Satna		Garlic	G 282, G 313	2.00			
Satna	Floriculture	Marigold	Pusa Basanti & Pusa Narangi	0.01			
Satna	Vegetables	Tomato	Kashi Anmol, Arka rakshak	0.02			
Satna		Brinjal	NB 2	0.02			
Satna		Okra	Kashi Pragati,	0.50			
Satna		Cowpea	Kashi Kanchan, Kashi Sukomal	0.20			
Satna		Spinach	All green	0.20			
Satna		Radish	Japanese white/VRR-1	0.20			
Satna		Onion	Agri Found Light Red	0.40			
Satna		Pumpkin	Azad Harit	0.01			
Satna		Sponge gourd	S-1	0.02			
Satna		Bottlegourd	Pusa naveen/Smridhi/ N arendra Shivani	0.02			

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.)
Satna	Forest species	Eucalyptus		1000			
Satna		Teek		250			
Satna		Shisham		250			
Satna	Fruits	Mango Seedling	Seedling	200			
Satna		Aonla Budded	NA-7 & NA-6	200			
Satna		Aonla seedling	Seedling	2000			
Satna		Karounda seedling	Pant Manohar, Pant Swarna	2500			
Satna		Lemon Budded	Sweet Lime	200			
Satna		Lemon seedling	Kagzi	1000			
Satna		Papaya ssedling	Coorg Honey Dew	1000			
Satna		Guava seedlings	Apple colour and Allahabadi Safeda	1500			
Satna		Pomegrannate	Bhaguwa	50			
Satna		Custard Apple	Dharur-6	300			
Satna		Jack fruit	Khwaja	500			
Satna	Ornamental crops	Manokamani		450			
Satna		Chandani		345			
Satna		Chameli		380			
Satna		Gulmohar		250			
Satna		Croton		450			
Satna		Bottle palm		100			
Satna		Rose		50			
Satna	Vegetables	Tomato	Kashi Aman, T-5, T-6	80000			
Satna		Brinjal	Kashi Taru, NB-2	10000			
Satna		Chillies	Kashi Anmol, Azad-1	40000			
Satna		Cabbage	Golden Acre, Mukta	10000			
Satna		Cauliflower	Pusa Shubra, Snowball-16	10500			
Satna		Broccoli	Fiasta	3500			

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Satna		Red Cabbage	Primro	2500			
Satna		Onion	Agri Found Light Red	150000			
Satna		Capsicum	California wonder	1000			

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

* Name of product should follow same pattern

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.), if applied
Satna	Bio Fertilizers	Non Symbiotic Azotobacter	-	-			
Satna		Vermicompost	1000				
Satna		Azolla	200				
Satna		Earthworms	100				
Satna		Compost	500				
Satna		Blue green algae	-				
Satna		NADEP	100				
Satna		Sanjeevani Khad	500				
Satna		Acetobacter	-				
Satna		Aspergillus	-				
Satna		Azotobacter	-				
Satna		Azospirillum	-				
Satna		Phosphate solubilizing Bacteria	20				
Satna		Rhizobium	20				
Satna		Other (pl. sp.)	-				

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.), if applied
Satna	Bio-Food	Spirulina	-				
Satna		Honey	200				
Satna		Any Other (pl. sp.)	-				
Satna	Bio Pesticides	Neem extract	100				
Satna		Neem powder	50				
Satna		Tobacco extract	0				
Satna		Trichoderma viride	50				
Satna		Trichoderma harjinum	50				
Satna		Trichogramma chilonis	0				
Satna		Beauveria bassiana	50				
Satna		Metarhizium anisopliae	0				
Satna		Pseudomonas fluorescens	0				
Satna		SINPV	10				
Satna		HaNPV	10				
Satna		GF1	-				
Satna		Baco Lures	-				
Satna		Heli Lures	-				
Satna		Leucin Lures	-				
Satna		Paecilomyces	-				
Satna		Panchagavya	-				
Satna		Verticillium	-				
Satna	Bio Agents (Tricho card)	Trichogramma chilonis	-				
Satna		Chrysoperla carnea	-				
Satna		Tricho card	-				
Satna		Any other (Pl. Specify)					

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.), if applied
Satna	Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis	-				
Satna		Epiricania melanolauca	-				
Satna	Bio Agents(Worms)	Assinia foetida	-				
Satna		Eudrilus eugeniae	20				
Satna		Euclnia Uginiae	-				
Satna		Eisenia foetida	50				
Satna		Earth worm	50				
Satna		Any other (pl. specify)					
Satna							
Satna	Others	Mushroom spawn	200				
Satna		Mineral Mixture					
Satna		Cow dung (dry)	1000				
Satna		Any other (pl. specify)					

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.		
Satna	Dairy animals	Cow	Sahiwal	Milk	Litre	4500		
Satna		Calves	Sahiwal		No.	5		
Satna		Goats	-					
Satna		Buffaloes	Murrah	Milk	Litre	4500		
Satna		Sheep						
Satna		Breeding bull	Sahiwal			01		
Satna		Other (pl specify)						

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.		
Satna	Poultry	Poultry	Van Shree/ Keg Golden	Chicks	No.	2000		
Satna		Japanese quail	-	-	-	-		
Satna		Japanese quail eggs	-	-	-	-		
Satna		Ducks	-	-	-	-		
Satna		Turkey			No.	08		
Satna		Other	-	-	-	-		
Satna	Piggery	Piglets	-	-	-	-		
		Boar	-	-	-	-		
		Sow		-	-	-		
		Other (pl specify)	-	-	-	-		
	Fisheries	Indian carp			kg	50		
		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				
	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					
													Sanctioned	Procured
Y	01	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)
Satna	1000	3000	240		

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	
	Techniques of soil and water conservation	PF	03									
	Raising of vegetative barier to control gully formation	PF	01									
	Moisture conservation techniques on sloppy land.	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 Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Satna	4	4		180	

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	
Satna		Use of rain gun for irrigation in wheat and chickpea	FW	05									

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	
Satna		Use of sprinklers in vegetable crops											
Satna		Use of drip irrigation in Fruit crops											
Satna		Use of rain pipe in vegetable nursery											
Satna		Use of rain pipe in Rice nursery											

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)
Satna						

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
Satna	2004	2006	12		

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*
Satna	12.09.2020		

*Attached separate file.

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
Satna	8000	120	22	

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

KVK	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
Satna	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					

KVK	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						
	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)
Satna	ATMA	Central				
Satna	Zila Panchyat	State				
Satna	NHM	Central				
Satna	RKVY	Central				
Satna	DRDA	State				
Satna	Climate Change	Central				
Satna	ARYA	Central				
Satna	VATICA	Central				
Satna	GEF	Central				
Satna	Others (Plz. Specify)					

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)	
Satna		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	21892817349	50,716,767	57,41,344	

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
Satna	Zonal Best KVK award				

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
400	Cereals	Rice, Wheat, Small Millets		
400	Pulses	Blackgram, Greengram, Pigeonpea, Chickpea, Lentil		
400	Oilseeds	Mustard, Sesame		
400	Vegetables	Tomato, Brinjal, Okra, Chillies		

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.

*Attached separate File

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
	11.10.2020	

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
Satna	08	1816	02	08	06	78

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*

*Attached separate File

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	
Satna	KVK,Rewa	04	06	06	

27. Important visitors to KVK

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

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
Satna	Satna				

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Satna	2020			

30. Status of RTI

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

31. Status of Citizen Charter

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

32. Participation in HRD Programmes organized by ATARI

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

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Satna	05	05

33. Participation in HRD Programmes organized by DES

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

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Satna	05	05

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)
Satna					

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Satna	5	10

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
Satna	Drought			
	Insect pest infestation			

36. Details of technology week celebrations

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Satna	Gosthies	08		
Satna	Lectures organized	16		
Satna	Exhibition	04		
Satna	Film show	12		
Satna	Fair	01		
Satna	Farm/ Field Visit	10		
Satna	Diagnostic Practical's	06		
Satna	Distribution of Literature (No.)	500		
Satna	Distribution of Seed (q)	50		
Satna	Distribution of Planting materials (No.)	1500		
Satna	Bio Product distribution (Kg)	-		
Satna	Distribution of Bio Fertilizers (q)	0.5		
Satna	Distribution of fingerlings	-		
Satna	Distribution of Livestock specimen (No.)	-		
Satna	Total number of farmers visited the technology week	1000		
Satna	Animal health camp	04		
Satna	Awareness programme	04		
Satna	Demonstration	08		
Satna	Exposure visit	01		
Satna	Ex-trainees Meet	01		
Satna	Farmer scientist interaction	04		
Satna	Farmers Training	06		
Satna	Gajarghans Unmulan Pakhwada	01		
Satna	Group Meeting	02		
Satna	Jai Kisan Jai Vigyan Sangoshthi	01		
Satna	Plant Protection Week	01		
Satna	Seed treatment campaign	01		
Satna	Self Help Group convener meet	01		
Satna	Soil health Camp	02		

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Satna	Swachha Bharat Abhiyan	01		
Satna	Krishi Gyan Doot Workshop	01		
Satna	Progressive farmers Workshop	01		

37. Interventions on drought mitigation

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Satna	Greengram (IPM 2-3)	10		
Satna	Blackgram(PU-40)	25		
Satna	Sesame(TKG22)	40		
Satna	Kodon Millet	05		

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants
Satna	Breed Upgradation- AI	02	
Satna	Health Management	02	
Satna	Feed & Fodder management	02	
Satna	Poultry management	02	

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Satna	04		

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Satna	Blackgram	4.5		
Satna	Greengram	1.2		
Satna	Sesame	2.5		
Satna	Kodon Millet	0.50		

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Satna	Tomato	50000	50000	
Satna	Brinjal	20000	20000	
Satna	Chillies	20000	20000	
Satna	Cabbage	6000	6000	
Satna	Cauliflower	6000	6000	
Satna	Broccoli	2000	2000	
Satna	Red Cabbage	1500	1500	
Satna	Onion	150000	150000	
			255500	
Saplings				
Satna	Guava	500		
Satna	Aonla	500		
Satna	Karonda	1000		
Satna	Drumsticks	500		
Satna	Custard apple	500		

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Satna	<i>Trichoderma viridae</i>	0.5		

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Satna	Rizobium	50		
Satna	PSB	50		

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Satna	<i>Icenea foetida</i>	0.5		

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Satna	Direct Seeding Technology in Rice				
Satna	Zero tillage in Wheat				
Satna	Raised Bed Planting of Vegetables				
Satna	Ridge and Furrow				

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
Satna	02		04		02		01		04		12	

38. Activities for Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village
Satna	Maihar	Itma

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Direct Seeding of Rice	Rice	2.0			
Zero tillage in Wheat	Wheat	2.0			
Improved Production technology of tomato	Tomato	2.0			
Improved production technology of onion	Onion	2.0			
Foliar application of water soluble nutrients in vegetables	Bittertongourd	2.0			
Soil Health Card					
Vermi Composting	Vermicompost				
Ridge and Furrow Sowing	Greengram & Backgram	2.0			
Introduction of low water requiring crop	Mustard	2.0			
Intercropping	Pegionpea + greengram	2.0			
Intercropping	Wheat + Mustard	2.0			

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Mushroom Cultivation		20 no			
Nutritional Kitchen garden		20 no			

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Exposure visit of farmers to KVK				
Field Day				
Farmers Scientist interaction				
Exhibition				
Farmers Workshop				
Animal camps and Vaccination				

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Resource conservation technologies for rain fed farming				
Weed Management in Kharif crops				
Improved sowing technique for rain fed areas viz Ridge and furrow, Raised bed technique				
Organic manure and bio pesticide preparation techniques				
Sowing technique of Rabi crops				
Improved agronomic practices in vegetable production				
Foliar application of water soluble nutrients on vegetable crops				
Safe storage of food grains and seed				

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
01	Satna	05	02

9. KVK Sehore

Summary of the activities

KVK Name	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	
SEHORE	OFTs	38	410			
SEHORE	FLDs – Oilseeds (activity in ha)	3 (12 ha)	30			
SEHORE	FLDs – Pulses (activity in ha)	2 (6 ha)	15			
SEHORE	FLDs – Cotton (activity in ha)	-	-			
SEHORE	FLDs – Other than Oilseed and pulse crops(activity in ha)	22	145			
SEHORE	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	11	95			
SEHORE	Training-Farmers and farm women	63	1555			
SEHORE	Training-Rural youths	19	475			
SEHORE	Training- Extension functionaries	15	375			
SEHORE	Extension Activities	439	7462			
SEHORE	Seed Production (Number of activity as seeds in quintal)	110	325			
SEHORE	Planting material ((Number of activity as quantity of planting material in quintal)	400	100			
SEHORE	Seedling Production (Number of activity as number of seedlings in numbers)	35000	250			
SEHORE	Sapling Production (Number of activity as number of sapling in numbers)	5600	300			
SEHORE	Other Bio- products (No. of quantity)	70000	250			
SEHORE	Live stock products	10	10			
SEHORE	Activities of Soil and Water Testing Laboratory	250	250			
SEHORE	Rainwater Harvesting System	-	-			
SEHORE	Kisan Mobile Advisory (KVK-KMA)	48	45760			

KVK Name	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	
SEHORE	SAC Meeting (Date & no. of core/ official members)	02	60			
SEHORE	Literature to be Developed/Published	25	Mass			
SEHORE	Convergence programmes / Sponsored programmes	04	-			
SEHORE	Utilization of Farmers Hostel	100	400			
SEHORE	Utilization of Staff Quarters	06	05			
SEHORE	Details of KVK Agro-technological Park	Enclosed	Enclosed			
SEHORE	Crop Cafeteria-	Enclosed	Enclosed			
SEHORE	Farm Innovators- list of 10 farm innovators from the District	Enclosed	Enclosed			
SEHORE	Status of Revolving Funds	Enclosed	Enclosed			
SEHORE	Awards and Recognitions	04	04			
SEHORE	Case study / Success Story to be developed	12	-			
SEHORE	KVK Progressive Farmers interaction	02	100			
SEHORE	Outreach of KVK in the District (No. of blocks, no. of villages)	05	925			
SEHORE	Technology Demonstration under Tribal Sub Plan	-	-			
SEHORE	KVK Ring	02	02			
SEHORE	Important visitors to KVK	10	10			
SEHORE	Status of KVK Website	Updated	Updated			
SEHORE	Status of RTI	-	-			
SEHORE	E-connectivity	-	-			
SEHORE	Details of Technology Week Celebrations	01	30			
SEHORE	Interventions on Drought Mitigation	-	-			
SEHORE	Sansad Adarsh Gram	-	-			
SEHORE	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-SEHORE	16	01	0	06	06	03	02	06	06	16	14

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
SEHORE	Sr. Scientist & Head	Vacant	-	-	-	-	-	-	-
SEHORE	SMS/ Scientist 1	Mr. J. K. Kanaujia	Horticulture	M.Sc.	Vegetable	15600 - 5400- 39100	91,301	09/07/2005	OBC
SEHORE	SMS/ Scientist 2	Mr. Sandeep Todwal	Soil Science	M.Sc.	Soil Science & Agri Chemistry	15600 - 5400- 39100	76,586	16/12/2010	OBC
SEHORE	SMS/ Scientist 3	Mr. Devendra Patil	Agronomy	M.Sc.	Agronomy	15600 - 5400- 39100	65,271	26/12/2018	OBC
SEHORE	SMS/ Scientist 4	Mr. Deepak Kushwaha	Plant Protection	M.Sc.	Entomology	15600 - 5400- 39100	65,271	01/01/2019	OBC
SEHORE	SMS/ Scientist 5	Mr. Dharmendra	Agri. Extn.	M.sc.	Agri. Extension	15600 - 5400- 39100	63,490	11/03/2019	OBC
SEHORE	SMS/ Scientist 6	Dr. Vimlesh Kumar	Animal Husbandry	M.V.sc.	Animal Husbandry	15600 - 5400- 39100	61,327	25/03/2019	OBC
SEHORE	Programme Assistant	Miss Kusum Shukhwal	Home Science	M.Sc.	Home Science	9300-4200- 34800	41,376	05/02/2019	GEN
SEHORE	Farm Manager	Vacant	-	-	-	-	-	-	-
SEHORE	Computer Programmer	Mr. Akshay Kalkar	MCA	MCA	Computer Application	9300-4200- 34800	41,376	01/01/2019	GEN
SEHORE	Accountant / superintendent	Mr Shashikant Harde	Commerce	M.Com	Commerce	9300-4200- 34800	46,281	01/08/2013	SC
SEHORE	Stenographer	Mr. Bhanu Pal Singh	Science	B.Sc.	Steno	5200 -	39,458	25/01/2008	GEN

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
						2400- 20200			
SEHORE	Driver	Mr. Pradip Singh Rajput	-	10 th	-	5200 - 2000- 20200	32,163	18/08/2003	GEN
SEHORE	Driver	Mr. Satish Upadhyay	-	12 th	-	5200 – 2000-20200	24,077	04/03/2019	GEN
SEHORE	Supporting staff, if any	Mr. Ravishanker Raikwar	-	10 th	-	4400 - 1300- 7440	27,218	01/03/01	OBC
SEHORE	Supporting staff, if any	Mr. Nirmal Kumar	-	8 th	-	4400 - 1300- 7440	23,551	25/08/06	ST

Name of the Tehsil	Population				SC		ST		General		Total	
	M	F	CH*	Total	No. of household	No. of Members	No. of household	No. of Members	No. of household	No. of Members	No. of household	No. of Members
Sehore	143539	131539	38501	275078	9646	48229	2226	11128	41227	215721	53098	275078
Ashta	131462	122000	36869	253462	13680	68399	1161	5806	35597	179257	50438	253462
Ichhawar	84198	78109	26299	162307	6801	34006	6677	33384	18628	94917	32106	162307
Nasrullaganj	91834	84429	28487	176263	5352	26760	9726	48630	17909	100873	32987	176263
Budni	48652	43254	12768	91906	2907	14535	2659	13296	13450	64075	19016	91906
Shyampur	80246	72108	24099	152354	5802	29008	452	2262	23870	121084	30124	152354
Jawar	56142	52319	16139	108461	8022	40109	1229	6147	12953	62205	22204	108461
Rehti	47670	43831	14267	91501	2047	10235	4972	24859	10319	56407	17338	91501
Total	683743	627589	197429	1311332	54256	271281	29102	145512	173952	894539	257311	1311332

(Source : Census -2011)

Agro Climate Zone	Agro- ecological situation	Block covered	Area in '000 Ha.	Soil Type
Vindhyan Plateau	Vindhyan Plateau (AES- I)	Sehore, Asta and Ichhawar	409.494	Medium Black
	Central Narmada Valley	Budani & Nasrullaganj	246.874	Medium Black & Alluvial Soil
Total Area	-	-	656.368	-

S.No.	Blocks	Year wise rainfall (mm)					Average
		2015 -16	2016-17	2017-18	2018-19	2019	
1	Sehore	1012.0	1555.7	815.0	1075.2	1820.8	1255.74
2	Asta	1059.0	1120.5	692.0	789.65	1607.8	1053.79
3	Ichhawar	993.8	1556.7	933.2	931.0	1740.0	1230.94
4	Budani	1234.0	1613.2	1016.75	926.6	1729.8	1304.07
5	Nasrullaganj	1352.0	1414.0	948.0	603.2	1937.0	1250.84
Average		972.08	1130.16	1452.02	889.6	1749.3	1219.07

(Dept. of FW&AD, Sehore)

Land Use Pattern :-

S. No.	Particulars	Details
01	Total geographical area (ha)	656368
02	Net sown area (ha)	398894
03	Area sown more than once in the year (ha)	363044
04	Gross cropped area (ha)	761938
05	Forest land (ha)	164039
06	Waste land (ha)	9605
07	Land under other uses (ha)	83830

(Source: Land record)

Type of Farmers	No.	Percentage	Area in (ha.)	Percentage
Marginal Farmers (Less than 1 ha.)	52313	26.0	25221	6.3
Small Farmers (1-2 ha.)	67430	34.0	82299	20.6
Semi Medium Farmers (2-4 ha.)	54987	27.0	114015	28.5
Medium Farmers (4-10 ha.)	23435	12.0	136461	34.2
Large Farmers (More than 10 ha.)	1898	0.9	40898	10.2
Total	200063	-	398894	-

Source- DPO, Sehore

Irrigation potential of district: -

S No	Sources	Area (ha)	%
A	Surface Irrigation		
1	Canal Based	69607	17.86
2	Tanks/Ponds/ Reservoirs	13365.7	3.43
	Total	82972.7	21.28
B	Ground Water		
1	Tube wells	124824	38.41
2	Open Wells	97755	34.57
	Total	222579	72.99
C	Other Sources - Traditional WHS	22136	5.73
Grand Total (A+B+C)		327687.73	100

Present status of major crops in Sehore

Year	Soybean			Paddy			Pigeon pea			Wheat			Chickpea			Green Gram		
	A	P	Y	A	P	Y	A	P	Y	A	P	Y	A	P	Y	A	P	Y
2014-15	272.0	366.7	1348.0	35.0	176.5	5042.0	10.7	64.8	606.0	241.6	850.9	3522.0	97.0	122.5	1263.0	27022	27022	1000
2015-16	296.0	438.0	1296.6	23.6	82.56	3500.0	9.76	87.84	900.00	230.1	805.3	3500.0	91.84	116.6	1270.0	26700	26166	980
2016-17	269.91	329.29	1220.0	29.8	125.6	4200.0	9.05	11.95	1320.0	248.95	871.3	3500.0	81.93	110.61	1350.0	25900	28490	1100
2017-18	275.16	335.70	1220.0	31.87	133.84	4200.0	5.45	7.19	1320.0	244.50	904.64	3700.0	96.42	164.79	1709.0	33581	37274	1110
2018-19	290.0	390.63	1347.0	32.90	118.44	3600.0	6.60	9.11	1380.0	245.0	882.0	3600.0	107.80	199.43	1850.0	13385	13117	980
Average	280.614	372.064	1286.32	30.634	127.388	4108.4	8.312	36.178	1105.2	242.03	862.828	3564.4	94.998	142.786	1488.4	25317.6	26413.8	1034

A = Area (000ha)

P = Production (000 Ton)

Y = Productivity (kg/ha.)

Block wise Area and Production of Horticultural Crops Year 2013-14
(Area in ha, production in MT)

S.No.	Block	Fruit		Vegetable		Spices		Flowers		Medicinal	
		Area (ha.)	Production	Area	Production	Area	Production	Area	Production	Area	Production
1	Sehore	750	16500	1986	31776	1426	109802	50	2050	1.31	6.79
2	Asta	683	15026	1775	28400	1195	92015	35	1435	-	-
3	Ichhawar	1057	23254	1885	30160	1055	81235	38	1558	0.5	2.59
4	Budani	211	4642	1660	26560	698	53746	106	4346	-	-
5	Nas, ganj	578	12716	1450	23200	868	66836	80	3288	-	-
Total		3279	72138	8756	140096	5242	38563	309	12677	1.81	9.38

(Source: Department of Horticulture, Sehore)
Details of Horticulture Nursery available in the district.

S.No.	Name of Block	Location	Area (ha)	Current Status
1	Sehore	Mahuakheda	7.63	Mango, Aonla, Citrus, Guava
2	Asta	Asta	2.00	Guava, Citrus, Ratanjot
		Gadrakhedi	5.00	-
3	Ichhawar	Jamli	16.00	Guava, Citrus, Neem, Ratanjot
4	Budni	Peelikarar	5.00	Guava, Citrus, Neem, Ratanjot
5	Nasrullganj	Satrana	5.00	Guava, Citrus, Neem, Ratanjot

Block	Small animals					Large animals		
	Poultry	Ducks	Pigs	Goat	Sheep	Cow	Buffalo	Draught animal
Sehore	242585	0	326	20472	0	60245	46498	5051
Ashta	21258	0	384	31535	90	70905	59560	0
Ichawar	18650	0	276	25427	0	82479	37612	0
Nasrullaganj	15310	0	443	17908	0	59771	37211	0
Budhni	5824	0	0	9793	0	34868	14205	5023
Total	303627	0	1429	105135	90	308268	195086	10074

(Source: Dept. of Animal Husbandry and Veterinary Services)

Production of Animal produces in the District

S.No.	Product	Production
01	Milk	155 Lakh Lit.
02	Meat	407.3 MT
03	Eggs	106.46 Lakh No.

(Source: Dept. of Animal Husbandry and Veterinary Services)

Water body	Area (ha.)	Production (Qtl.)	Productivity (Qtl./ha.)
Ponds (self)	4844.40	89621.4	18.5
Ponds (Irrigation Department)	3520.26	5984.442	1.7
Total	8364.66	95605.84	10.1

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (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)
Golukhedi	2014	Ichhawar	30 Km	2576	238
Kothara Pipalya	2016	Nasrullaganj	68 Km.	1486	355
Bijlon	2017	Sehore	50 Km	2141	424
NarsinghKheda	2018	Ichhawar	25 Km.	2008	407
Gawakheda	2019	Ashta	29 Km.	2255	217

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
SEHORE	Soil Health Management, Crop management Practices (CMP)
SEHORE	Horticulture & Végétales Corps (H & VC)
SEHORE	Animal Science (A S)
SEHORE	Integrated Plant Protection Techniques (IPPT)
SEHORE	Women in Agriculture. (W A)
SEHORE	Implements & Farm Machinery (I & FM)
SEHORE	Natural Resource Management (NRM)
SEHORE	Livelihood & Nutritional Security
SEHORE	Doubling Farmers income by 2021-22

1.5. PROBLEM IDENTIFIED by KVK

Problem identified	Methods of problem identification	Location Name of Village & Block
Soil health High Soil erosion due to undulation & non bunding of farms Deterioration in Soil health due to adoption of Soybean – Wheat , Paddy – Wheat, Soybean- Chickpea cropping system Deterioration in soil health due to imbalance use of plant nutrient Lack of knowledge about bio fertilizer & its application	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
Unavailability of high yielding varieties/ hybrids in field crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, Interface, Extrainees meet etc.	Problem are common in entire district
Low seed replacement rate in major Crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
Lack of awareness about seed treatment	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
Weed infestation in Crops	Field visit, Individual contact	Bayan
Low yield due to Old varieties, No use of Recommended Package of Practices	PRA, Field visit, Individual contact	Golukhedi, Bichhia, Kothra Pipalya
Low water use efficiency	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
Low fertilizer use efficiency due to imbalance use of fertilizer	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
Heavy infestation of insect & disease	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
Slow crop diversification in Horticultural crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface,	Problem are common in entire district

Problem identified	Methods of problem identification	Location Name of Village & Block
	Extranees meet etc.	
Slow adoption of farm mechanization	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district
High post harvest losses in grain, vegetable & Fruits crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district
Poor adoption of technology by Farmers	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district
Weed infestation of crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district
Water stress in critical stages of plant growth	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district

2. On Farm Testing (OFT)

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Name of Technology/Variety used			The matrix Area	No. of Trials	No. of Farmers involved	Farmer Situations	Date of Sowing	Date of Harvesting	Source of technology	Characteristic of technology	Name of Crop/Enterprises	Recommendation of farmers	Recommendation of Deptt. Personal	Results (q./ha)		
					T1	T2	T3												FP (T ₁)	RP (T ₂)	T3
2019 - 20	Rabi	Low yield of wheat	Assessment of Wheat	Assessment	Farmers Pra	Wheat Var. HI 8737	Wheat var. HI	CM P	05	05	Irrigated	14 Nov, 20	-	IARI, Indore	Having a High level of rust resistance.	Wheat	In Progress				

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Name of Technology/Variety used			Thematic Area	No. of Trials	No. of Farmers involved	Farming Situations	Date of Sowing	Date of Harvesting	Source of technology	Characteristic of technology	Name of Crop/Enterprises	Recommendation of farmers	Recommendation of Deptt. Personal	Results (q./ha)		
					T1	T2	T3												FP (T ₁)	RP (T ₂)	T3
2019-20	Rabi	Low yield & poor quality of cabbage and cauliflower	Assessment of Integrated Management of Diamond Black	Assessment	Farmers Practice (No	Chemical Control (Use of che	Integrated Management	H & Vc (IPM)	01	05	Irrigated	October, 2019	Feb, 2020	IIHR Bangalore	Use of mustard as a Trap crop, use of neem oil Pheromane trap and reduce in chemical	Vegetable	In Progress				
2019-20	Khari, Rabi, Zaid	Low income of small and medium farmers.	Assessment of Integrated Farming System	Assessment	Farmers Practice (Existi	Integrated Farming System	-	Income Generation	05	05	Irrigated	May, 2019	March, 2020	Modipuram, Meerut (U.P.)	Increase in source of income employment generation and net income	Vegetable	In Progress				

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Name of Technology/Variety used			The matrix Area	No. of Trials	No. of Farmers involved	Farming Situations	Date of Sowing	Date of Harvesting	Source of technology	Characteristic of technology	Name of Crop/Enterprises	Recommendation of farmers	Recommendation of Deptt. Personal	Results (q./ha)		
					T1	T2	T3												FP (T ₁)	RP (T ₂)	T3
2019	Kharif	Low yield due to Imbalance use of Plant Nutrient in	Assessment of Integrated Nutrient Management	Assessment	Imbalance use of Fertilizer	2 t/ha FYM and 100% RDF in	-	INM	10	10	Irrigated	June, 2019	March, 2020	IIS, Bhopal	Balance use of Plant Nutrient through INM in Soybean Chickpea	Soybean-Chickpea		In Progress			
2019-20		Low yield of Garlic crop due to no use of micronutrient	Assessment of Micronutrients on yield and	Assessment	Farmers Practice (No	Foliar application of Zinc Sulphate	Foliar application of vegetable	SFM	10	10	Irrigated	October, 2019	March, 2020	IHR, 2017	- Foliar spray of Zinc Sulphate and vegetable micronutrient	Garlic		In Progress			

Year	Season	Problem diagnosis	Title of OFT	Category of technology (Assessment / Refinement)	Name of Technology/Variety used			Thematic Area	No. of Trials	No. of Farmers involved	Farming Situations	Date of Sowing	Date of Harvesting	Source of technology	Characteristic of technology	Name of Crop/Enterprises	Recommendation of farmers	Recommendation of Deptt. Personal	Results (q./ha)		
					T1	T2	T3												FP (T ₁)	RP (T ₂)	T3
2019-20		- Low yield of onion due to imbalance use of plant nutrient	Assessment of Nutrient Management in onion	Assessment	Farmers Practice Imbalance	RDF as per STV + 40 Kg/ha sulphur	DF as per STV + 40 Kg/ha	SFM	05	05	Irrigated	Nov, 2019	March, 2020	NHRDF	Integration with Chemical fertilizer, organic and use of Water soluble fertilizer	Onion		In Progress			
2019-20		Low yield of chickpea due to imbalance use of plant nutrient	Assessment of INM in Chickpea	Assessment	Farmers Practice (Imbalance)	RDF as per STV (20:60:20 NPK kg/ha)	STCR (Targeted yield 20q/ha)	INM	05	05	Irrigated	Oct, 2019	Feb, 2020	IIS, Bhopal	Integration with Chemical Fertilizer, organic manual and Bio Fertilizer, is...	Chickpea		In Progress			

Year	Season	Problem diagnosis	Title of OFT	Category of technology (Assessment / Refinement)	Name of Technology/Variety used			The matrix Area	No. of Trials	No. of Farmers involved	Farming Situations	Date of Sowing	Date of Harvesting	Source of technology	Characteristic of technology	Name of Crop/Enterprises	Recommendation of farmers	Recommendation of Deptt. Personal	Results (q./ha)		
					T1	T2	T3												FP (T ₁)	RP (T ₂)	T3
2019-20	Rabi	Low yield of Garlic due to incidence of temphylium blight and purple blotch	Assessment of IDM Module for the management of	Assessment	Application of Fungicide	Foliar application of Mancozeb @ 0.25% at 30, 60	Soil app. Of Pseudomonas fluorescens	PLP	05	05	Irrigated	25 Oct. 2019	-	ICAR-IIHR Bangalore	Reduce disease incidence	Garlic			In Progress		
2019-20	Rabi	Low yield of chickpea due to infestation of gram pod borer. Average yield	Assessment of IPM module for the management of	Assessment	Application of	SDP+resistance variety +opti	SDP+Resistance variety	Integrated Pest Management	05	05	Irrigated	Oct, 2019	March, 2020	ICAR-NCIPM, New Delhi	Reduce insect infestation	Chick pea			In Progress		

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Name of Technology/Variety used			The matrix Area	No. of Trials	No. of Farmers involved	Farming Situations	Date of Sowing	Date of Harvesting	Source of technology	Characteristic of technology	Name of Crop/Enterprises	Recommendation of farmers	Recommendation of Deptt. Personal	Results (q./ha)		
					T1	T2	T3												FP (T ₁)	RP (T ₂)	T3
2020	Rabi	Low yield of Onion & Garlic due to poor inform	Assessment of effective use of different inform	Assessment	Use of traditional information	Use of Printed literature of Onion &	Use of what's app for Onion	Information and Communication	01	60		Oct, 2020	March, 2020	ICAR, New Delhi	Reduce production cost and timely management practices	Onion & Garlic			In Progress		
2019-20		Low milk yield	Assessment of	Assessment	Farmers Practice	50 g. plain milk	30 g. Cheese	Animal nutrition	10	10	-	Oct, 2019	Jan, 2020	NDRI, Karnal	Increase minerals of efficiency	Dairy			In Progress		
2019-20		Low return from	Assessment of	Assessment	Farmers Practice	Round the year	Round the	Animal Feed	10	10	-	June, 2019	May, 2020	IGFRI, Jhansi	Increase return & generate employment	Dairy			In Progress		
2020		Low Level of haemoglobin in	Assessment of Drumst	Assessment	Intake low	Iron Rich Diet +		Nutritional Sec	01	10	-	Start-July,	End-Dec	IARI, Delhi	-	Enterprises			In Progress		
2020	Kharif	Low yield of soybean due to infestation	Assessment of Soybean	Assessment	Farmers Practice	Soybean variety JS	Soybean	CM P	05	05	Restricted Irrigation	June, 2020	Oct, 2020	RVSKVV, RA	Early maturing, Resistance to YMV,	Soybean					

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Name of Technology/Variety used			The matrix Area	No. of Trials	No. of Farmers involved	Farming Situations	Date of Sowing	Date of Harvesting	Source of technology	Characteristic of technology	Name of Crop/Enterprises	Recommendation of farmers	Recommendation of Deptt. Personal	Results (q./ha)		
					T1	T2	T3												FP (T ₁)	RP (T ₂)	T3
2020	Khariif	Low yield of soybean due to heavy	Assessment of Pre emerg	Assessment	Farmers Pra	Pre emergence	pre emerg	CM P	10	10	Restricted Irri	June, 2020	October, 2020	Indian Ins tit	effective control of Monocot and dicot	Soybean					
2020	Rabi	Low yield of wheat due to use of old	Assessment of Wheat	Assessment	Farmers Pra	Wheat Var. HI	heat var.	CM P	05	05	Irrigated	Nov, 2020	March, 2021	IAR I, In do re	Having a High level of rust resistance	Wheat					
2020	Rabi	Low yield of lentil due to use of old	Assessment of lentil	Assessment	Farmers Pra	Lentil Var. JLS-1	RVL 11-6	CM P	05	05	Rainfed	Oct, 2020	February, 2020	RV SK VV, RA	Bold seed, drought tolerance, duration	Lentil					
2020	Zaid	Low yield of cowpea due to infestation of disease	Assessment of cowpea	Assessment	Farmers Pra	Improved variety – Kashi	-	H & VSc	01	05	Irrigated	January, 2020	June, 2020			Cowpea					
2020	Khariif, Rabi	Low income of small and medium farmers.	Assessment of Integrated	Assessment	Farmers Pra	Integrated Farming		Income Generation	01	05	Irrigated	May, 2020	October, 2020	Modipuram, Me	Increase in Source of Income employment	Cereals					

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Name of Technology/Variety used			The matrix Area	No. of Trials	No. of Farmers involved	Farming Situations	Date of Sowing	Date of Harvesting	Source of technology	Characteristic of technology	Name of Crop/Enterprises	Recommendation of farmers	Recommendation of Deptt. Personal	Results (q./ha)		
					T1	T2	T3												FP (T ₁)	RP (T ₂)	T3
2020	Khari f	Low yield of Kharif onion due	Assessment of IWM Technol	Assessment	Farm	Pre emergence	re emergence	H & VSc	01	05	Irrigated	May, 2020	October, 202	-	Pre & Post Emergence weedicide	Onion					
2019-20	Rabi	Low yield & poor quality of cabbage	Assessment of Integrated	Assessment	Farmers Pra	Chemical Cont	Integrated	H & Vc (IPM)	01	05	Irrigated	October, 20	February, 2020	IIHR Bangl	Use of mustard as a Trap crop, use	Vegetable					
2020	Khari f	Low yield due to Imbalance use	Assessment of Integra	Assessment	Imbalance use	2 t/ha FYM and 10% RDF in	-	INM	10	10	Irrigated	June	October	IIS, Bhop	Balance use of Plant Nutrient through INM in	Soybean-Chick pea					
2020	Khari f	Deteriorating soil organic carbon	Assessment of Bio-waste decom	Assessment	Dumping the	Bio-waste decomposer.	-	NRM	10	10		July	December	National Centre	composting for quality manure and time	Enterprises					
2020	Rabi	Low yield of Garlic crop	Assessment of Micron	Assessment	Farmers Pra	Foliar application of Zinc	Foliar application of	SFM	10	10	Irrigated	October, 20	March, 2021	IIHR, 2017	Foliar spray of Zinc Sulphate	Garlic					

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Name of Technology/Variety used			The matrix Area	No. of Trials	No. of Farmers involved	Farming Situations	Date of Sowing	Date of Harvesting	Source of technology	Characteristic of technology	Name of Crop/Enterprises	Recommendation of farmers	Recommendation of Deptt. Personal	Results (q./ha)		
					T1	T2	T3												FP (T ₁)	RP (T ₂)	T ₃
2020	Rabi	Low yield of chick pea due to imbalance use of plant	Assessment of INM in Chickpea	Assessment	Farmers Practice	RDF as per STV (20:60:20 NPK)	STCR (Targeted yield)	INM	10	10	Irrigated	October, 2020	February, 2021	IIS, Bhopal	Integration with Chemical fertilizer Organic manual and Bio	Chick pea					
2020	Zaid	Low yield green gram due to incidence of yellow	Assessment of IDM module for the	Assessment	Use of insecticide	SDP+ Removal of infected	SDP+ improved Vari	IDM	10	10	Irrigated	March, 2020	May, 2020	JNKV, Jabalpur	Reduce Incidence of Disease	Green Gram					
2020	Khari	Low yield maize due to infestation	Assessment of IPM module for the	Assessment	Low yield	SDP+ Recommended seed	SDP+ Recommended	Integrated Pest Ma	05	05	Irrigated	June, 2020	October, 2020	ICAR-NIPH, H	Reduce insect infestation	Maize					

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Name of Technology/Variety used			The matrix Area	No. of Trials	No. of Farmers involved	Farming Situations	Date of Sowing	Date of Harvesting	Source of technology	Characteristic of technology	Name of Crop/Enterprises	Recommendation of farmers	Recommendation of Deptt. Personal	Results (q./ha)		
					T1	T2	T3												FP (T ₁)	RP (T ₂)	T3
2019-20	Rabi	Low yield of Garlic due to incidence of stemphylium blight and purple blotch in Garlic	Assessment of IDM Module for the management of Stemphylium blight	Assessment	Application of Fungicides	Foliar application of Mancozeb @ 0.25% at 30, 60 and 90 DAP	Soil app. of Pseudomonas fluorescens @ 5 kg/ha + foliar	PLP	05	05	Irrigated	25 Oct. 2019	-	ICAR-IIHR Bangalore	Reduce disease incidence	Garlic					
2020-21	Rabi	Low yield of chickpea due to	Assessment of IPM module	Assessment	Application	SDP+resistance	SDP+Resistance	Integrated Pest	05	05	Irrigated	Oct, 2020	March, 2021	ICAR-NCIP	Reduce insect infestation	Chickpea					
2020	Rabi	Low yield of Onion	Assessment of effect	Assessment	Use of traditional	Use of Printed literature	Use of WhatsApp	Information and	01	60		Oct, 2020	March, 2020	ICAR, New	Reduce production cost and timely	Onion & Garlic					
2020	Khari	Lack of Adoption of Soil	Assessment of	Assessment	Non use	General Soil	Soil Health	Soil Health	01	60		May, 2020	Oct, 2020	-	Production enhancement	Enterprises					

Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Name of Technology/Variety used			The matrix Area	No. of Trials	No. of Farmers involved	Farming Situations	Date of Sowing	Date of Harvesting	Source of technology	Characteristic of technology	Name of Crop/Enterprises	Recommendation of farmers	Recommendation of Deptt. Personal	Results (q./ha)		
					T1	T2	T3												FP (T ₁)	RP (T ₂)	T ₃
2020		Loss of income due to risk involved	Assessment of farmer	Assessment	No insurance	Insurance crop	-	Crop insurance	02	60		May, 2020	Oct, 2020	-	Minimize the risk due to Standing of	Soybean					
2020	Summer	Low body weight & less egg production	Assessment of electrolytes to	Assessment	Farmer Practice	Amla powder @2g.	Electrolytes	Poultry Production	05	05	-	April, 2020	July, 2020	CARI, Izzatnagar	Reduce heat stress	Poultry					
2020	Rainy &	Low daily body weight gain and	Assessment of	Assessment	Farmer Practice	Dry fodder	T2 + 24	Animal Nutrition	05	05	-	June, 2020	Dec, 2020	NDRI, Karnal	Augment growth.	Dairy					
2020	Rainy &	Low milk yield from	Assessment of	Assessment	Farmer Practice	50 g. plain mineral	30 g. Chelate	Animal Nutrition	10	10	-	Sept, 2020	Dec, 2020	NDRI, Karnal	Increase minerals use efficiency	Dairy					
2020-21		Low return from milch	Assessment of Round the	Assessment	Farmer Practice	Round the year	Round the year	Animal Feed	10	10	-	June, 2020	May, 2021	IGFRI, Jhansi	Increase return & generate employe	Dairy					
2020		Low Level of haemoglobin	Assessment of	Assessment	Intake	Iron Rich Diet		Nutritional	01	10	-	Start-Jul	End-Dec	IARI, Delhi	-	Enterprises					

Year	Season	Problem diagnosis	Title of OFT	Category of technology (Assessment / Refinement)	Name of Technology/Variety used			Thematic Area	No. of Trials	No. of Farmers involved	Farming Situations	Date of Sowing	Date of Harvesting	Source of technology	Characteristic of technology	Name of Crop/Enterprises	Recommendation of farmers	Recommendation of Deptt. Personal	Results (q./ha)		
					T1	T2	T3												FP (T ₁)	RP (T ₂)	T ₃
2020	Rabi	Women had pain in various parts of body	Assessment on use of	Assessment	Local Practice	Drudgery reduction		Drudgery Reduction	01	10	-	Start-Sept	End-Dec		-	Enterprises					

2.1 Information about OFT:

OFT 1 (Agronomy): In Progress

Title of on-farm trial:	Assessment of Wheat variety HI 8759 (Pusa Tejus) in irrigated Condition.
Year/Season:	2019-20/Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of wheat due to use of old varieties (Malavshakti)
Thematic area:	CMP
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 – Wheat var Malavshakti
T2 –Recommended Practice-	Wheat Var. HI 8737 (Anmol).
T3- Recommended Practice-	Wheat var. HI 8759 (Pusa Tejus)
Date of sowing:	Nov, 2019
Date of harvesting:	Mar, 2020
Source of technology:	IARI,Indore

Characteristics of technology:	Having a High level of rust resistance It is a high durum wheat variety with an average yield of 57 q/ha and potential yield of 76 q/ha
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Wheat variety HI 8759 (Pusa Tejus) in irrigated Condition.	No. of Effective Tillers/plant	In Progress														
	Test Weight (g)															
	Yield (qtl/ha)															

OFT 2 (Agronomy)

Title of on-farm trial:	Assessment of Soybean variety RVS 2001- 18
Year/Season:	2019-20/ Kharif
Farming situation:	Restricted Irrigation
Problem diagnosis:	Low yield of soybean due to infestation of insect and diseases
Thematic area:	CMP
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 – JS 9305

T2 –Recommended Practice-	Soybean variety JS 9560
T3- Recommended Practice-	Soybean variety RVS 2001- 18
Date of sowing:	Jun, 2020
Date of harvesting:	Oct, 2020
Source of technology:	RVSKVV, RAK, CoA. Sehore
Characteristics of technology:	Early maturing, Resistance to YMV, chorcol rot
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Soybean variety RVS 2001- 18	No. of Pods/plant															
	Test Weight (g)															
	Yield (qtl/ha)															

OFT 3 (Agronomy)

Title of on-farm trial:	Assessment of Pre emergence herbicide Diclosulam 84 % WDG @ 26 g/ha in soybean
Year/Season:	2019-20/ Kharif
Farming situation:	Restricted Irrigation
Problem diagnosis:	Low yield of soybean due to heavy infestation of weeds in early stage
Thematic area:	CMP
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 – Apply Post Emergence herbicide
T2 –Recommended Practice-	Pre emergence herbicide Pendimethalin 30 EC@ 3.25.liter / ha
T3- Recommended Practice-	Ppre emergence herbicide Diclosulam 84 % WDG @ 26 g/ha
Date of sowing:	Jun, 2020
Date of harvesting:	Oct, 2020
Source of technology:	Indian Institute of Soybean Research, Indore
Characteristics of technology:	effective control of Monocot and dicot weeds in soybean
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Pre emergence herbicide Diclosulam 84 % WDG @ 26 g/ha in soybean	No. of Weed density/m ²															
	No. of Pods/plant															
	Yield (qtl/ha)															

OFT 4 (Agronomy)

Title of on-farm trial:	Assessment of Wheat variety HI 8759 (Pusa Tejus) in irrigated Condition.
Year/Season:	2020/Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of wheat due to use of old varieties (Malavshakti)
Thematic area:	CMP
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 – Wheat var Malavshakti
T2 –Recommended Practice-	Wheat Var. HI 8737 (Anmol).
T3- Recommended Practice-	Wheat var. HI 8759 (Pusa Tejus)
Date of sowing:	Nov, 2020
Date of harvesting:	Mar, 2021
Source of technology:	IARI,Indore
Characteristics of technology:	Having a High level of rust resistance It is a high durum wheat variety with an average yield of 57 q/ha and potential yield of 76 q/ha
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Wheat variety HI	No. of Effective Tillers/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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
8759 (Pusa Tejus) in irrigated Condition.																
	Test Weight (g)															
	Yield (qtl/ha)															

OFT 5(Agronomy)

Title of on-farm trial:	Assessment of lentil variety RVL 11-6
Year/Season:	2020/Rabi
Farming situation:	Rainfed
Problem diagnosis:	Low yield of lentil due to use of old varieties
Thematic area:	CMP
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 – Lentil var Local
T2 –Recommended Practice-	Lentil Var. JLS-1
T3- Recommended Practice-	RRVL 11-6
Date of sowing:	Oct, 2020
Date of harvesting:	Feb, 2021
Source of technology:	RVSKVV, RAK, CoA. Sehore
Characteristics of technology:	Bold seed, drought tolerance, duration 116 day and yield 1744 kg /ha
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of lentil variety RVL 11-6	No. of Pods/plant															
	Test Weight (g)															
	Yield (qtl/ha)															

OFT - 6 (Horticulture) : In Progress

Title of on-farm trial:	Assessment of Integrated Management of Diamond Black Moth in Cabbage and cauliflower.
Year/Season:	2019-20
Farming situation:	Irrigated
Problem diagnosis:	Low yield & poor quality of cabbage and cauliflower
Thematic area:	H & Vc (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-	Farmers Practice (No use of correct pesticide at correct stage)
T2 –Recommended Practice-	Chemical Control (Use of chemical s at correct stage)
T3- Recommended Practice-	Integrated Management
Date of sowing:	October, 2019
Date of harvesting:	Feb, 2020
Source of technology:	IIHR, Bangalore
Characteristics of technology:	Use of Mustard as trap crop, Use of neem oil and Pheromane trap and reduce in chemical.
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Integrated Management of Diamond Black Moth in Cabbage and cauliflower.	No. of Infected Plant/m ²	In Progress														
	Yield (qtl/ha)															

OFT - 7 (Horticulture) : In Progress

itle of on-farm trial:	Assessment of Integrated Farming System approach for Doubling farmer's income of small farmers.
Year/Season:	Kharif, Rabi & Zaid 2019-20
Farming situation:	Irrigated
Problem diagnosis:	Low income of small & medium farmers.
Thematic area:	Income generation.
No of trials:	05 Nos.
No. of farmers involved	05 Farmers
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Crop + Animal Husbandary
T2 –Recommended Practice-	Integrated farming system(Crop + Animal Husbandry + Horticulture + Enterprise)
T3- Recommended Practice-	-
Date of sowing:	May -2019
Date of harvesting	March- 2020
Source of technology:	IIFSR, Modipuram ,Meerut
Characteristics of technology:	Increase in Sources of income, Employment generation.
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Integrated Farming System approach for Doubling farmer's income of small farmers	Increase source of Income Employment generation (no.)	In Progress														

OFT - 8 (Horticulture)

Title of on-farm trial:	Assessment of cowpea variety Kashi Kanchan
Year/Season:	2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield of cow pea due to infestation of disease and poor bearing in existing.
Thematic area:	H &Vc (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-	Farmers Practice (Local seeds)
T2 –Recommended Practice-	Improved variety – Kashi Kanchan
SDP+ improved Variety	
Date of sowing:	January, 2020

Date of harvesting:	June, 2020
Source of technology:	-
Characteristics of technology:	-
Name of Crop/Enterprises:	Improved Cowpea variety Kashi Kanchan
Recommendations for Farmers	Cowpea
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of cowpea variety Kashi Kanchan	Plant Height (cm)															
	Yield (Q/ha)															

OFT - 9 (Horticulture)

Title of on-farm trial:	Assessment of Integrated Farming System Approach for Doubling income for farmers Income of small farmers.
Year/Season:	2020
Farming situation:	Irrigated
Problem diagnosis:	Low income of small and medium farmers.
Thematic area:	H & Vc (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-	Farmers Practice (Existing Farming System)

T2 –Recommended Practice-	Integrated Farming System
T3–Recommended Practice-	-
Date of sowing:	May -2020
Date of harvesting:	March- 2021
Source of technology:	IIFSR, Modipuram ,Meerut
Characteristics of technology:	Increase in Sources of income, Employment generation.
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Integrated Farming System approach for Doubling farmer's income of small farmers.	Increase source of Income															
	Employment generation (no.)															

OFT - 10 (Horticulture)

Title of on-farm trial:	Assessment of IWM Technology in Kharif Onion
Year/Season:	Kharif -2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield of Kharif onion due to high intensity of weeds.
Thematic area:	H &Vc (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-	Farmers Practice – (Two hand weeding)
T2 –Recommended Practice-	Pre emergence weedicide (Pendimethline) & one hand weeding.
T3–Recommended Practice-	Pre emergence (Pendimethiline) + Post Emergence Oxiflorephane weedicide & One hand weeding at 35-40 DAP.
Date of sowing:	May, 2020
Date of harvesting:	October, 2020
Source of technology:	-
Characteristics of technology:	Pre and Post Emergence of Weedicide
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of IWM Technology in Kharif Onion	Increase of Weeds/ sqm (no.)															
	Yield (Q/ha)															

OFT - 11 (Horticulture)

Title of on-farm trial:	Assessment of Integrated Management of Diamond Black Moth in Cabbage and cauliflower.
Year/Season:	Rabi- 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield & poor quality of cabbage and cauliflower
Thematic area:	H & Vc (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-	Farmers Practice (No use of correct pesticide at correct stage)
T2 –Recommended Practice-	Chemical Control (Use of chemical s at correct stage)
T3- Recommended Practice-	Integrated Management
Date of sowing:	October, 2020
Date of harvesting:	Feb, 2021
Source of technology:	IIHR, Bangalore
Characteristics of technology:	Use of Mustard as trap crop, Use of neem oil and Pheromane trap and reduce in chemical.
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Integrated Management of Diamond Black Moth in Cabbage and cauliflower.	No. of Infected Plant/m ²															
	Yield (qtl/ha)															

OFT 12 (Soil Science): In progress

Title of on-farm trial:	Assessment of Integrated Nutrient Management in Soybean- Chickpea Cropping System
Year/Season:	2019/ Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to Imbalance use of Plant Nutrient in Soybean – Chickpea cropping system.
Thematic area:	INM
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-	Imbalance use of Fertilizer (09:23:00 NPK kg/ha)
T2 –Recommended Practice-	2 t/ha FYM and 100 % RDF in Soybean and 50 % RDF in Chickpea
T3- Recommended Practice-	-
Date of sowing:	June, 2019
Date of harvesting:	Mar , 2020
Source of technology:	IISS, Bhopal
Characteristics of technology:	Balance use of Plant Nutrient through INM in Soybean Chickpea cropping system, Increase

	yield and quality and reduce input cost.
Name of Crop/Enterprises:	Soybean –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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Integrated Nutrient Management in Soybean- Chickpea Cropping System	No. of Pods/ Plant In Soybean	In Progress														
	Yield (qtl/ha) Soybean crop															
	No. of Pods/ Plant In Chickpea															
	Yield (qtl/ha) Chickpea crop															

OFT 13 (Soil Science): In progress

Title of on-farm trial:	Assessment of Micronutrients on yield and quality of Garlic crop.
Year/Season:	2019-20/ Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of Garlic crop due to no use of micronutrient
Thematic area:	SFM
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 foliar spray of micronutrient)

T2 –Recommended Practice-	Foliar application of Zinc Sulphate @ 3 g/L at 30, 60 and 90 DAP.
T3- Recommended Practice-	Foliar application of vegetable micronutrient mixture @ 5 g/L at 30, 60 and 90 DAP.
Date of sowing:	Oct, 2019
Date of harvesting:	Mar , 2020
Source of technology:	IIHR, 2017
Characteristics of technology:	Foliar spray of Zinc Sulphate and vegetable micronutrient mix
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Micronutrients on yield and quality of Garlic crop.	Average bulb weight (g)	In Progress														
	Yield (qtl/ha)															

OFT 14 (Soil Science): In progress

Title of on-farm trial:	Assessment of Nutrient Management in onion crop
Year/Season:	2019-20/ Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of onion due to imbalance use of plant nutrient (80:40:00 NPK kg./ha.)
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:	
T1 – Farmers Practice-	Farmers Practice Imbalance use of plant nutrient – 80:40:0 Kg/ha N,P&K
T2 –Recommended Practice-	RDF as per STV + 40 Kg/ ha sulphur at the time of transplanting
T3- Recommended Practice-	RDF as per STV + 40 Kg/ ha sulphur at the time of transplanting + foliar spray of 18:18:18 @ ha at 30 DAT + Foliar spray 13:00:45 @ 2.5 kg. /ha 75 DAT
Date of sowing:	Nov, 2019
Date of harvesting:	April , 2020
Source of technology:	NHRDF
Characteristics of technology:	Integration with Chemical fertilizer, organic and use of Water soluble fertilizer
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Nutrient Management in onion crop	Average bulb weight (g)	In Progress														
	Yield (qtl/ha)															

OFT 15 (Soil Science): In progress

Title of on-farm trial:	Assessment of INM in Chickpea .
Year/Season:	2019-20/ Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of chick pea due imbalance use of plant nutrient (09:23:00 NPK kg./ha.)
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-	Farmers Practice (Imbalance use of plant nutrient (09:23:0 kg/ha NP& K)
T2 –Recommended Practice-	RDF as per STV (20:60:20 NPK kg./ha.) + seed inoculation with Rhizobium + PSB @ 5 g/kg seed each
T3- Recommended Practice-	STCR (Targeted yield 20q/ha) + seed inoculation with Rhizobium + PSB @5 g/kg seed each
Date of sowing:	Oct, 2019
Date of harvesting:	Feb , 2020
Source of technology:	IISS, Bhopal
Characteristics of technology:	Integration with Chemical Fertilizer, organic manual and Bio Fertilizer , increase crop yield
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of INM in Chickpea .	No. of Seeds/Pod	In Progress														
	Test Weight (g)															
	Yield (qtl/ha)															

OFT 16 (Soil Science)

Title of on-farm trial:	Assessment of Integrated Nutrient Management in Soybean- Chickpea Cropping System
Year/Season:	2020/ Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to Imbalance use of Plant Nutrient in Soybean – Chickpea cropping system.
Thematic area:	INM
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-	Imbalance use of Fertilizer (09:23:00 NPK kg/ha)
T2 –Recommended Practice-	2 t/ha FYM and100 % RDF in Soybean and 50 % RDF in Chickpea
T3- Recommended Practice-	-
Date of sowing:	June, 2020
Date of harvesting:	October, 2020
Source of technology:	IISS, Bhopal
Characteristics of technology:	Balance use of Plant Nutrient through INM in Soybean Chickpea cropping system, Increase yield and quality and reduce input cost.
Name of Crop/Enterprises:	Soybean- 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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of	No. of Pods/ 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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Integrated Nutrient Management in Soybean- Chickpea Cropping System	In Soybean															
	Yield (qtl/ha) Soybean crop															
	No. of Pods/ Plant In Chickpea															
	Yield (qtl/ha) Chickpea crop															

OFT 17 (Soil Science)

Title of on-farm trial:	Assessment of Bio-waste decomposer for quality organic product to enhance soil health
Year/Season:	2020/ Kharif
Farming situation:	Irrigated
Problem diagnosis:	Deteriorating soil organic carbon content
Thematic area:	NRM
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-	Dumping the farm waste and residue in pits exposed to extreme weather conditions
T2 –Recommended Practice-	Bio-waste decomposer. (Consortium of microbes)
T3- Recommended Practice-	-
Date of sowing:	July,2020
Date of harvesting:	Dec, 2020
Source of technology:	National Centre of Organic farming, Ghaziabad
Characteristics of technology:	composting for quality manure and time saving

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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Bio-waste decomposer for quality organic product to enhance soil health	Time taken for decomposition															
	Composition of N.P.K.															

OFT 18 (Soil Science)

Title of on-farm trial:	Assessment of Micronutrients on yield and quality of Garlic crop.
Year/Season:	2020/ Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of Garlic crop due to no use of micronutrient
Thematic area:	SFM
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

T2 –Recommended Practice-	Foliar application of Zinc Sulphate @ 3 g/L at 30, 60 and 90 DAP.
T3- Recommended Practice-	Foliar application of vegetable micronutrient mixture @ 5 g/L at 30, 60 and 90 DAP.
Date of sowing:	October, 2020
Date of harvesting:	March , 2021
Source of technology:	IIHR, 2017
Characteristics of technology:	Foliar spray of Zinc Sulphate and vegetable micronutrient mixture
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Micronutrients on yield and quality of Garlic crop.	Average bulb weight (g)															
	Yield (qtl/ha)															

OFT 19 (Soil Science)

Title of on-farm trial:	Assessment of INM in Chickpea
Year/Season:	2020/ Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of chick pea due imbalance use of plant nutrient (09:23:00 NPK kg./ha.)
Thematic area:	INM
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 (Imbalance use of plant nutrient (09:23:0 kg/ha NP& K)
T2 –Recommended Practice-	RDF as per STV (20:60:20 NPK kg./ha.) + seed inoculation with Rhizobium + PSB @ 5 g/kg seed each
T3- Recommended Practice-	STCR (Targeted yield 20q/ha) + seed inoculation with Rhizobium + PSB @5 g/kg seed each
Date of sowing:	October, 2020
Date of harvesting:	Feb , 2021
Source of technology:	IISS, Bhopal
Characteristics of technology:	Integration with Chemical fertilizer Organic manual and Bio fertilizer, increase crop yield
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of INM in Chickpea	No. of Seeds/ Pod															
	Test Weight (g)															
	Yield (qtl/ha)															

OFT 20 (Plant Protection): In Progress

Title of on-farm trial:	Assessment of IDM module for the management of stemphylium blight and Purple Blotch in Garlic
Year/Season:	Rabi – 2019-20
Farming situation:	Irrigated
Problem diagnosis:	Low yield of garlic due to incidence of stemphylium blight and Purple Blotch (Average yield losses up to 15-20%)

Thematic area:	PLP
No of trials:	05 Nos.
No. of farmers involved	05 Farmers
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Application of Fungicides
T2 –Recommended Practice-	Foliar application Mancozeb @ 0.25 % at 30, 60 and 90 DAP
T3- Recommended Practice-	Soil app. of Pseudomonas fluorescens @ 5 kg/ha + foliar spray Cabriotop (pyraclostrobin+metiram) @ 0.25 % at 30,60 and 90 DAP.
Date of sowing:	25 October- 2019
Date of harvesting	-
Source of technology:	ICAR-IIHR, Bangalore (2017)
Characteristics of technology:	Reduce diseases incidence
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of IDM module for the management of stemphylium blight and Purple Blotch in Garlic	Disease Incidence (%)	In Progress														
	Yield (qtl/ha)															

OFT 21 (Plant Protection): In Progress

Title of on-farm trial:	Assessment of IPM module for the management of gram pod borer in chickpea
Year/Season:	2019-20/Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of chickpea due to infestation of gram pod borer (Average yield losses up to 15-20%)
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-	Application of insecticides.
T2 –Recommended Practice-	SDP+ resistance variety +optimum seed rate (75kg/ha)+mix 5g rabi sorghum seed with chickpea seed/bird percher 20/ha+ <i>Bacillus thuringiensis</i> var. <i>Kurstaki</i> 1kg/ha+need based application of Emamectin benzoate 5%SG 220 g/ha
T3 –Recommended Practice-	SDP+Resistance variety+Optimum seed rate (75kg/ha)+Mix 5g rabi sorghum seed with chickpea seed/bird percher 20/ha+light trap 1 /acre+pheromone trap 10/ha+ <i>Bacillus thuringiensis</i> var. <i>Kurstaki</i> 1kg/ha+ Need based application of emamectin benzoate 5%SG 220 g/ha
Date of sowing:	Oct, 2019
Date of harvesting:	Mar, 2020
Source of technology:	ICAR- NCIPM, New Delhi (2017)
Characteristics of technology:	Reduce insect infestation
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of IPM module for the management of gram pod borer in chickpea	Insect Incidence (%)	In Progress														
	Yield (qtl/ha)															

OFT 22 (Plant Protection)

Title of on-farm trial:	Assessment of IDM module for management of Yellow mosaic virus in green gram
Year/Season:	Zaid –2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield of green gram due to incidence of yellow mosaic virus Area affected 10000 ha.
Thematic area:	PLP
No of trials:	10 Nos.
No. of farmers involved	10 Farmers
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Spray of insecticide at the time of incidence of disease
T2 –Recommended Practice-	SDP+ Resistant variety (PDM-139) + One spray of imidachloprid 17.8% SL @ 125 ml /ha
T3- Recommended Practice-	SDP+ Resistant variety + seed treatment with thiomethoxam 70ws @ 3 gm/ Kg seed + Yellow sticky trap + roughing out of infected plants at initial stage + Need based spray of systemic insecticide
Date of sowing:	28 March-2019
Date of harvesting	30 May- 2019
Source of technology:	JNKVV, Jabalpur
Characteristics of technology:	Reduce 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			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of IDM module for management of Yellow mosaic virus in green gram	Disease Incidence (%)															
	Yield (qtl/ha)															

OFT 23 (Plant Protection)

Title of on-farm trial:	Assessment of IPM module for the management of stem borer and Fall Army Warm in maize
Year/Season:	2020/Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield maize due to infestation of stem borer and fall army worm (Average yield losses upto 15-20%)
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-	Low yield maize due to infestation of stem borer and fall army worm (Average yield losses upto 15-20%)
T2 –Recommended Practice-	SDP + Recommended seed rate (4 kg) + Seed treatment with thiomethoxam 70 WS @3g/kg. Seed + need based spray of insecticides
T3 –Recommended Practice-	SDP + Recommended seed rate (4 kg) + Seed treatment with thiomethoxam 70 WS @3g/kg. Seed + pheromone trap (15 no/ha) + Spray of Bacillus thuringiensis at 30 DAS (1 kg/ha) + Need based spray of insecticides (spinetoram 11.7 % sc 250 ml/ha).
Date of sowing:	June, 2020
Date of harvesting:	Oct, 2020

Source of technology:	ICAR-NIPHM, Hedrabad.
Characteristics of technology:	Reduce insect infestation
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of IPM module for the management of stem borer and Fall Army Warm in maize	Insect Incidence (%)															
	Yield (qtl/ha)															

OFT 24 (Plant Protection)

Title of on-farm trial:	Assessment of IDM module for the management of stemphylium blight and Purple Blotch in Garlic
Year/Season:	Rabi – 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield of garlic due to incidence of stemphylium blight and Purple Blotch (Average yield losses up to 15-20%)
Thematic area:	PLP
No of trials:	05 Nos.
No. of farmers involved	05 Farmers
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Application of Fungicides
T2 –Recommended Practice-	Foliar application Mancozeb @ 025 % at 30, 60 and 90 DAP

T3- Recommended Practice-	Soil app. of <i>Pseudomonas fluorescens</i> @ 5 kg/ha + foliar spray Cabriotop (pyraclostrobin+metiram) @ 0.25 % at 30,60 and 90 DAP.
Date of sowing:	October, 2020
Date of harvesting	-
Source of technology:	ICAR-IIHR, Bangalore
Characteristics of technology:	Reduce diseases incidence
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of IDM module for the management of stemphylium blight and Purple Blotch in Garlic	Disease Incidence (%)															
	Yield (qtl/ha)															

OFT 25 (Plant Protection)

Title of on-farm trial:	Assessment of IPM module for the management of gram pod borer in chickpea
Year/Season:	2020/Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of chickpea due to infestation of gram pod borer (Average yield losses up to 15-20%)
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-	Application of insecticides.
T2 –Recommended Practice-	SDP+ resistance variety +optimum seed rate (75kg/ha)+mix 5g rabi sorghum seed with chickpea seed/bird percher 20/ha+ <i>Bacillus thuringiensis</i> var. <i>Kurstaki</i> 1kg/ha+need based application of Emamectin benzoate 5%SG 220 g/ha
T3 –Recommended Practice-	SDP+Resistance variety+Optimum seed rate (75kg/ha)+Mix 5g rabi sorghum seed with chickpea seed/bird percher 20/ha+light trap 1 /acre+pheromone trap 10/ha+ <i>Bacillus thuringiensis</i> var. <i>Kurstaki</i> 1kg/ha+ Need based application of emamectin benzoate 5%SG 220 g/ha
Date of sowing:	Oct, 2020
Date of harvesting:	Mar, 2021
Source of technology:	ICAR- NCIPM, New Delhi (2017)
Characteristics of technology:	Reduce insect infestation
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of IDM module for the management of stemphylium blight and Purple Blotch in Garlic	Insect Incidence (%)															
	Yield (qtl/ha)															

OFT 26 (Animal Husbandry): In progress

Title of on-farm trial:	Assessment of Chelated minerals supplement on milk yield in cows
Year/Season:	2020/ Rainy & Winter
Farming situation:	-
Problem diagnosis:	Low milk yield from cow due to lack of essential minerals and vitamins in feed
Thematic area:	Animal Nutrition 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 (Imbalance use of minerals supplements)
T2 –Recommended Practice-	50 g. plain minerals & vitamins supplement/cow/day
T3 –Recommended Practice-	30 g. Chelated minerals & vitamins supplement/cow/day
Date of sowing:	Oct, 2019
Date of harvesting:	Dec, 2020
Source of technology:	NDRI, Karnal
Characteristics of technology:	Increase minerals use efficiency
Name of Crop/Enterprises:	Dairy
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Chelated minerals supplement on milk yield in cows	Milk yield (lit/day/cow)	In Progress														

OFT 27 (Animal Husbandry): In progress

Title of on-farm trial:	Assessment of Round the year green fodder production and use of cow dung as Vermi Compost
Year/Season:	2019-20
Farming situation:	-
Problem diagnosis:	Low return from milch animals.
Thematic area:	Animal Nutrition 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 (Use of green fodder up to 8 month)
T2 –Recommended Practice-	Round the year green fodder production
T3 –Recommended Practice-	Round the year green fodder production + Vermi compost
Date of sowing:	June, 2019
Date of harvesting:	May, 2020
Source of technology:	IGFRI, Jhansi
Characteristics of technology:	Increase return & generate employment
Name of Crop/Enterprises:	Dairy
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Round	Milk 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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
the year green fodder production and use of cow dung as Vermi Compost	(lit/day) Availability of green fodder (q/year)	In Progress														

OFT 28 (Animal Husbandry)

Title of on-farm trial:	Assessment of electrolytes to manage heat stress in Poultry.
Year/Season:	2020/ Summer
Farming situation:	-
Problem diagnosis:	Low body weight & less egg production due to heat stress in poultry.
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-	Farmer Practice- Watering
T2 –Recommended Practice-	Amla Powder @ 29/ litre water
T3 –Recommended Practice-	Electrolytes @ 0.59 /liter water
Date of sowing:	April, 2020
Date of harvesting:	July, 2020
Source of technology:	CARI, Izzatnagar, Bareilly, U. P
Characteristics of technology:	Reduce heat stress
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of electrolytes to manage heat stress in Poultry.	Live Weight gain (kg/bird) at 3 month															
	Egg Production/ bird															

OFT 29 (Animal Husbandry)

Title of on-farm trial:	Assessment of fermented yeast culture supplementation on augmentation of growth in Murrah buffalo heifers
Year/Season:	2020/ Rainy & Winter
Farming situation:	-
Problem diagnosis:	Low daily body weight gain and delayed puberty in buffalo heifers.
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-	Farmers Practice- 3Kg Dry fodder + green fodder as per availability + 1Kg concentrate.
T2 –Recommended Practice-	Dry fodder @2 kg. + concentrate feed @2 kg + Green fodder @10 kg + 30 g Min. mixture
T3–Recommended Practice-	T2 + 24 g yeast/animal/day.
Date of sowing:	June, 2020
Date of harvesting:	Dec, 2020
Source of technology:	NDRI, Karnal.
Characteristics of technology:	Augment growth.
Name of Crop/Enterprises:	Dairy
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of electrolytes to manage heat stress in Poultry.	B.W. Gain (Kg/Day)															
	Age at Puberty (month)															

OFT 30 (Animal Husbandry)

Title of on-farm trial:	Assessment of Chelated minerals supplement on milk yield in cows
Year/Season:	2020/ Rainy & Winter
Farming situation:	-
Problem diagnosis:	Low milk yield from cow due to lack of essential minerals and vitamins in feed
Thematic area:	Animal Nutrition 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 (Imbalance use of minerals supplements)
T2 –Recommended Practice-	50 g. plain minerals & vitamins supplement/cow/day
SDP+ improved Variety	30 g. Chelated minerals & vitamins supplement/cow/day
Date of sowing:	Sep, 2020
Date of harvesting:	Dec, 2020
Source of technology:	NDRI, Karnal
Characteristics of technology:	Increase minerals use efficiency
Name of Crop/Enterprises:	Dairy
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of electrolytes to manage heat stress in Poultry.	Milk yield (lit/day/cow)															

OFT 31 (Animal Husbandry)

Title of on-farm trial:	Assessment of Round the year green fodder production and use of cow dung as Vermi Compost
Year/Season:	2020-21
Farming situation:	-
Problem diagnosis:	Low return from milch animals.
Thematic area:	Animal Nutrition 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 (Use of green fodder up to 8 month)
T2 –Recommended Practice-	Round the year green fodder production
T3- Recommended Practice-	Round the year green fodder production + Vermi compost
Date of sowing:	June, 2020
Date of harvesting:	May, 2021
Source of technology:	IGFRI, Jhansi
Characteristics of technology:	Increase return & generate employment
Name of Crop/Enterprises:	Dairy
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)		
		FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3	FPT1	FPT2	FPT3
Assessment of Round the year green fodder production and use of cow dung as Vermi Compost	Milk yield (lit/day)															
	Availability of green fodder (q/year)															

2.2. Information about Extension OFT:

OFT 32 (Agri. Extension): In progress

Title	Assessment of effective use of different information sources for production technology of onion & Garlic.
Season & Year	2019
Problem identified	Low yield of Onion & Garlic due to poor information sources.
Thematic Area	Information and Communication Technology.
Farming situation	Irrigated
Name of Technology under study	Production technology of Onion & Garlic disseminated through What's app
Farmers Practice	Use traditional information Sources
No. of replication (Farmers)	60

Results / findings

Performance indicators/ parameters	Unit/ details

OFT 33 (Agri. Extension)

Title	Assessment of Adoption of Soil Health Card Based Fertilizer Application in Wheat Crops.
Season & Year	Kharif/2020
Problem identified	Lack of Adoption of Soil health Card based Fertilizer Application

Thematic Area	Soil Health Management
Farming situation	Rainfed
Name of Technology under study	Update SHC users knowledge by KVK
Farmers Practice	Non users of SHC
No. of replication (Farmers)	60

Results / findings

Performance indicators/ parameters	Unit/ details

OFT 34(Agri. Extension)

Title	Assessment of farmers' perception about crop insurance in soybean growers .
Season & Year	Kharif/2020
Problem identified	Loss of income due to risk involved in Soybean growers .
Thematic Area	Group Dynamics
Farming situation	Rainfed
Name of Technology under study	Organized training and awareness programme by KVK
Farmers Practice	Non insurance crops grown
No. of replication (Farmers)	60

Results / findings

Performance indicators/ parameters	Unit/ details

OFT 35(Agri. Extension)

Title	Assessment of effective use of different information sources for production technology of onion & Garlic.
Season & Year	2019
Problem identified	Low yield of Onion & Garlic due to poor information sources.
Thematic Area	Information and Communication Technology.
Farming situation	Irrigated
Name of Technology under study	Production technology of Onion & Garlic disseminated through What's app

Farmers Practice	Use traditional information Sources
No. of replication (Farmers)	60

Results / findings

Performance indicators/ parameters	Unit/ details

2.3. Information about Home Science OFT:

OFT 36 (Homescience): In Progress

Title of on-farm trial:	Assessment of Drumstick Crackers for Improving Hemoglobin level in Blood
Year/Season:	2019
Problem diagnosis:	Low Level of Haemoglobin in Pregnant Women and Adolescent Girls
Thematic area:	Nutritional Security
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-	Intake low iron in daily Diet
T2 –Recommended Practice-	Iron Rich Diet + Drumstick Crackers
Date of sowing:	Start- July, 2020
Date of harvesting:	End - Dec, 2020
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT 37 (Homescience)

Title of on-farm trial:	Assessment of Drumstick Crackers for Improving Hemoglobin level in Blood
Year/Season:	2020/Rabi
Problem diagnosis:	Low Level of Haemoglobin in Pregnant Women and Adolescent Girls
Thematic area:	Nutritional Security
No of trials:	01

No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Intake low iron in daily Diet
T2 –Recommended Practice-	Iron Rich Diet + Drumstick Crackers
Date of sowing:	Start- July, 2020
Date of harvesting:	End - Dec, 2020
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT 38 (Homescience)

Title of on-farm trial:	Assessment on use of Milking Revolving Stool with Stand for Drudgery Reduction
Year/Season:	2020/Rabi
Problem diagnosis:	Women had pain in various parts of body while performing milking activity.
Thematic area:	Drudgery Reduction
No of trials:	01
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Local Practice of Milking
T2 –Recommended Practice-	Drudgery reducing tools (Milking Revolving Stool with Stand)
Date of sowing:	Start- Sep, 2020
Date of harvesting:	End - Dec, 2020
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
Assessment on use of Milking Revolving Stool with Stand for Drudgery Reduction							

*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 GrossReturn (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)))
Assessment of Drumstick									

In Progress

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)))
Crackers for Improving Hemoglobin level in Blood									
Assessment of Drumstick Crackers for Improving Hemoglobin level in Blood									

3. Achievements of Frontline Demonstrations (FLD)

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

KVK Name	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
SEHORE	2020	Rabi	IWM	Weed management in Wheat crop	Cereals	Wheat	HI 1605	Semi Irrigated	Ongoing	4.0	In Progress							
SEHORE	2020	Rabi	CM P	Demonstration of Wheat variety HI 1605 (Pusa Ujala) in Semi irrigated Condition.	Cereals	Wheat	HI 1605	Semi Irrigated	Ongoing	2.0	In Progress							
SEHORE	2020	Rabi	CM P	Demonstration of Wheat variety HI 8663 (Poushan) for	Cereals	Wheat	HI 8663	Semi Irrigated	Ongoing	2.0	In Progress							

KVK Nam e	Ye ar	Seas on	Th em ati c are a	Technology demonstrated	Crop Cate gory	Nam e of Crop	Name of Variet y	Farming Situation (rainfed/ir rigated/se mi- irrigated)	Comple ted/On going	Crop- Area (ha)	Results (q/ha)		% chan ge	No. of farmers				
											FP (T ₁)	RP (T ₂)		SC	S T	Oth ers	Gene ral	Total
				Nutritional security														
SEHO RE	20 20- 21	Rabi	H& VC.	Demonstration of improved Tomato Hybrid- Arka Rakshak	Vege table s	Tom ato	Arka Rksha k	Irrigated	Ongoin g	0.5	In Progress							
SEHO RE	20 20- 21	Rabi	H& VC.	Demonstration of improved variety Garlic G- 282	Vege table	Garli c	Amret ha	Irrigated	Ongoin g	1.0	In Progress							
SEHO RE	20 20- 21	Roun d the year, 2019 -20	H& VC	Demonstration of Kitchen gardening in Backyard for nutritional & Livelihood security	Vege table s	Seas onal vege table	Hybri d	Irrigated	Comple ted	0.75	In Progress							
SEHO RE	20 20	Rabi	SF M	Demonstration of STCR (targeted yield 50 q/ha.) in wheat crop	Cere als	Whe at	HI 1544	Irrigated	Ongoin g	2.0	In Progress							
SEHO RE	20 20	Rabi	IN M	Demonstration of INM in Garlic	Vege table	Garli c	G-282	Irrigated	Ongoin g	1.0	In Progress							
SEHO RE	20 19- 20	Rabi	IP M	Demonstration of Imidachloroprid	Vege table	Onio n	-	Irrigated	Ongoin g	2.0	In Progress							

KVK Nam e	Ye ar	Seas on	Th em ati c are a	Technology demonstrated	Crop Cate gory	Nam e of Crop	Name of Variet y	Farming Situation (rainfed/ir rigated/se mi- irrigated)	Comple ted/On going	Crop- Area (ha)	Results (q/ha)		% chan ge	No. of farmers				
											FP (T ₁)	RP (T ₂)		SC	S T	Oth ers	Gene ral	Total
				17.8% SL for the management of sucking pest in Rabi Onion.														
SEHO RE	20 19- 20	Rabi	IP M	Demonstration IDM module for the management of Wilt, root rot & Collar rot disease in chickpea.	Pulse s	Chick pea	JAKI- 9218	Irrigated	Ongoin g		In Progress							
SEHO RE	20 20	Rabi	FM & I	Demonstration of Furrow irrigated Raised Bed Planting machine in Soybean crop	Oilse ed	Soyb ean	JS- 9560	Irrigated	New Started	4.0			-	2	-	8	-	10
SEHO RE	20 20	Khari f	CM P	Package Demonstration of Hybrid maize	Cere als	Maiz e	Hybri d	Irrigated	New Started	4.0			-	2	-	8	-	10
SEHO RE	20 20	Rabi	IW M	Weed management in Wheat crop	Cere als	Whe at	-	Semi Irrigated	New Started	4.0			-	2	-	8	-	10

KVK Nam e	Ye ar	Seas on	Th em ati c are a	Technology demonstrated	Crop Cate gory	Nam e of Crop	Name of Variet y	Farming Situation (rainfed/ir rigated/se mi- irrigated)	Comple ted/On going	Crop- Area (ha)	Results (q/ha)		% chan ge	No. of farmers					
											FP (T ₁)	RP (T ₂)		SC	S T	Oth ers	Gene ral	Total	
SEHO RE	20 20	Rabi	CM P	Demonstration of Wheat variety HI 1605 (Pusa Ujala) in Semi irrigated Condition.	Cere als	Whe at	HI- 1605	Semi Irrigated	New Started	4.0				-	2	-	8	-	10
SEHO RE	20 20	Rabi	CM P	Demonstration of Wheat variety HI 8663 (Poushan) for Nutritional security	Cere als	Whe at	HI- 8663	Semi Irrigated	New Started	4.0				-	2	-	8	-	10
SEHO RE	20 20- 21	Khari f	H& VC	Demonstration of Kharif Onion variety- Bheema Super	Spice s	Khari f Onio n	Bhee ma Super	Irrigated	New Started	1.05					02	-	08	-	10
SEHO RE	20 20- 21	Roun d the year, 2019	H& VC	Demonstration of Kitchen gardening in Backyard for	Vege table s	Seas onal vege table	Hybri d	Irrigated	New Started	0.75					08	05	37	-	50
SEHO RE	20 20- 21	Rabi	H& VC.	Demonstration of improved Tomato Hybrid- Arka Rakshak	Vege table s	Tom ato	Arka Rksha k	Irrigated	New Started	0.5					01	-	04	-	10
SEHO RE	20 20- 21	Rabi	H& VC.	Demonstration of improved variety Garlic G-	Vege table	Garli c	Amret ha	Irrigated	New Started	1.0					01	-	04	-	10

KVK Nam e	Ye ar	Seas on	Th em ati c are a	Technology demonstrated	Crop Cate gory	Nam e of Crop	Name of Variet y	Farming Situation (rainfed/ir rigated/se mi- irrigated)	Comple ted/On going	Crop- Area (ha)	Results (q/ha)		% chan ge	No. of farmers					
											FP (T ₁)	RP (T ₂)		SC	S T	Oth ers	Gene ral	Total	
				282															
SEHO RE	20 20	Khari f	SF M	Demonstration of Foliar Spray of Potassium Nutrient in Soybean crop	Oilse ed	Soyb ean	JS- 9560	Irrigated	New Started	4.0					02	01	07	-	10
SEHO RE	20 20	Khari f	IN M	Demonstration of INM module in hybrid maize crop	Cere als	Maiz e	Hybri d	Irrigated	New Started	2.0					02	-	08	-	10
SEHO RE	20 20	Rabi	SF M	Demonstration of STCR (targeted yield 50 q/ha.) in wheat crop	Cere als	Whe at	HI- 8737	Irrigated	New Started	4.0					01	-	04	-	05
SEHO RE	20 20	Rabi	SF M	Demonstration of Nutrient Management in onion crop	Vege table	Onio n	-	Irrigated	New Started	1.0					01	-	04	-	05
SEHO RE	20 20	Khari f	IP M	Demonstration IPM module for the management of Girdle Beetle	Oilse ed	Soyb ean	JS- 9560	Irrigated	New Started	4.0					02	02	06	-	10
SEHO RE	20 20-	Rabi	IP M	Demonstration IDM module for	Pulse s	Chick pea	JAKI- 9218	Irrigated	New Started	4.0					02	-	08	-	10

KVK Nam e	Ye ar	Seas on	Th em ati c are a	Technology demonstrated	Crop Cate gory	Nam e of Crop	Name of Variet y	Farming Situation (rainfed/ir rigated/se mi- irrigated)	Comple ted/On going	Crop- Area (ha)	Results (q/ha)		% chan ge	No. of farmers					
											FP (T ₁)	RP (T ₂)		SC	S T	Oth ers	Gene ral	Total	
	21			the management of Wilt, root rot & Collar rot disease in chickpea															
SEHO RE	20 20	Khari f	ID M	Demonstration of IDM module for the management of Tomato Leaf Curl virus in Tomato	Vege table	Tom ato	Arka Raksh ak	Semi Irrigated	New Started	2.0					01	01	08	-	10
SEHO RE	20 20	Khari f	IP M	Demonstration of IPM module for the management of Fruit Fly in cucurbits (Bottle guard & pumpkin)	Vege table	Bottl e Gour d	Hybri d	Irrigated	New Started	2.0					01	01	08	-	10

3.2 Economic Impact of Crop FLD

KVK Name	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)
SEHORE	Weed management in Wheat crop	Wheat	Weed Intensity/m ² Yield (q/ha)										
SEHORE	Demonstration of Wheat variety HI 1605 (Pusa Ujala) in Semi irrigated Condition.	Wheat	No. of Effective Tillers /m ² Test Weight(g) Yield (q/ha)										
SEHORE	Demonstration of Wheat variety HI 8663 (Poushan) for Nutritional security	Wheat	Yield (q/ha) Test Weight (g) Net Return (Rs./ha)										
SEHORE	Demonstration of improved Tomato Hybrid- Arka Rakshak	Tomato	Yield (q/ha) Net Return (Rs./ha)										
SEHORE	Demonstration of improved variety Garlic G-282	Garlic	Cloves Weight (g.) Yield (q/ha)										

KVK Name	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)
SEHORE	Demonstration of Kitchen gardening in Backyard for nutritional & Livelihood security	Vegetable	Yield (q/ha) Net Return (Rs./ha)										
SEHORE	Demonstration of STCR (targeted yield 50 q/ha.) in wheat crop	Wheat	No. of Tillers/Plant No. of grain/ear Test Weight (g) Yield (q/ha)										
SEHORE	Demonstration of INM in Garlic	Garlic	Cloves Weight (g.) Yield (q/ha)										
SEHORE	Demonstration of Imidachloroprid 17.8% SL for the management of sucking pest in Rabi Onion.	Onion	Insect Infestation (%) Yield (q/ha)										
SEHORE	Demonstration IDM module for the management of Wilt, root rot & Collar rot disease in chickpea.	Chickpea	Disease incidence (%) Yield (q/ha)										

KVK Nam e	Technology demonstrated	Name of Crop/ Enterp rise	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)
SEHORE	Demonstration of Furrow irrigated Raised Bed Planting machine in Soybean crop	Soybean	Yield (q/ha) Net Return (Rs./ha)										
SEHORE	Package Demonstration of Hybrid maize	Maize	No. of cobs/plant No. of grains/cob Test Weight (g)										
SEHORE	Weed management in Wheat crop	Wheat	Weed Intensity/m ² Yield (q/ha)										
SEHORE	Demonstration of Wheat variety HI 1605 (Pusa Ujala) in Semi irrigated Condition.	Wheat	No. of Effective Tillers /m ² Test Weight(g) Yield (q/ha)										
SEHORE	Demonstration of Wheat variety HI 8663 (Poushan) for Nutritional security	Wheat	Yield (q/ha) Test Weight (g) Net Return (Rs./ha)										

KVK Name	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)
SEHORE	Demonstration of Kharif Onion variety- Bheema Super	Onion	Yield (q/ha) Net Return (Rs./ha)										
SEHORE	Demonstration of Kitchen gardening in Backyard for nutritional & Livelihood security	Vegetable	Yield (q/ha) Net Return (Rs./ha)										
SEHORE	Demonstration of improved Tomato Hybrid- Arka Rakshak	Tomato	Yield (q/ha) Net Return (Rs./ha)										
SEHORE	Demonstration of improved variety Garlic G-282	Garlic	Cloves Weight (g.) Yield (q/ha)										
SEHORE	Demonstration of Foliar Spray of Potassium Nutrient in Soybean crop	Soybean	No. of Pods/plant No. of grains/pod Yield (q/ha)										

KVK Name	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)
SEHORE	Demonstration of INM module in hybrid maize crop	Maize	No. of cobs/plant No. of grains/cob Test Weight (g)										
SEHORE	Demonstration of STCR (targeted yield 50 q/ha.) in wheat crop	Wheat	No. of Tillers/Plant No. of grain/ear Test Weight (g)										
SEHORE	Demonstration of Nutrient Management in onion crop	Onion	Bulb Weight (g) Yield (q/ha)										
SEHORE	Demonstration IPM module for the management of Girdle Beetle and defoliator in Soybean crop.	Soybean	Insect Infestation (%) Yield (q/ha)										

KVK Name	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)
SEHORE	Demonstration IDM module for the management of Wilt, root rot & Collar rot disease in chickpea	Chickpea	Disease incidence (%) Yield (q/ha)										
SEHORE	Demonstration of IDM module for the management of Tomato Leaf Curl virus in Tomato	Tomato	Infestation (%) Yield (q/ha)										
SEHORE	Demonstration of IPM module for the management of Fruit Fly in cucurbits (Bottle guard & pumpkin)	Vegetable	Infestation (%) Yield (q/ha)										

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

KVK Name	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- NA

KVK Name	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)

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

KVK Name	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
SEHORE	2019 - 20	Winter	Livestock Production Management	Demonstration of Buffalo calf management practices	Enterprises	Buffalo Calf	Buffalo Calf	-	Ongoing		Do not cut naval cord, imbalance & improper	Cut naval cord above to 2.5 cm and treatment with		In Progress				

KVK Name	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	Others	General	Total
SEHORE	2019-20	Winter	LPM	Demonstration of role of Vitamin E	Enterprises	Dairy	Buffalo	-	Ongoing		No preventive measure	Use of Vitamin E 50% @4g/da		In Progress				
SEHORE	2019-20	Winter	LPM	Demonstration of Improved	Enterprises	Poultry	Poultry	-	Ongoing		Desi Poultry breed	Improved Breed-Gramapr		In Progress				
SEHORE	2020-21	Winter	Animal disease	Demonstration of Parasite	Enterprises	Dairy	Dairy	-	Ongoing		No use of endo &	Albendazole (3g) +		In Progress				
SEHORE	2020	Rainy	Animal feed/fodder management	Demonstration of of Bajra + Cowpea green fodder on productio	Enterprises	Dairy	Dairy	-	New Started		Farmer's Practice (Dry fodder @5 kg. +	Dry fodder @4 kg. + concentrate feed @1 kg. for		01	-	04	-	10
SEHORE	2020-21	Winter	Livestock Production Management	Demonstration of Buffalo calf management practices to manage calf mortality	Enterprises	Dairy	Buffalo calf	-	New Started		Do not cut naval cord, imbalance & improper time of colostrums &	Cut naval cord above to 2.5 cm and treatment with tincher Iodine 2 time for 3 days +		02	-	08	-	10

KVK Name	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) / Entre- p - No.	Results (q/ha)		% change	No. of farmers				
											FP (T ₁)	RP (T ₂)		S C	S T	Ot her s	Gen eral	To tal
											milk Feeding of calf	colostrums feeding within one hour after calving @10% of calf body weight + deworming with Piprazine @ 200 mg/ kg. B.W. at age of 7 day and reputed after 21 days						
SEH ORE	20 20	Winter	Animal disease management	Demonstration of role of Vitamin E in prevention	Enterprises	Dairy	Dairy	-	Completed		No preventive measure against sub	Use of Vitamin E 50% @4g./day /buffalo		0 2	-	08	-	10

KVK Name	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)		S C	S T	Others	General	Total
				n of sub clinical mastitis in Buffaloes							clinical mastitis							
SEHORE	2020-21	Winter	Poultry production and management	Demonstration of Improved Breed for Backyard Poultry (Gramapriya)	Enterprises	Poultry	Poultry	-	Completed		Desi Poultry breed	Improved Breed-Gramapriya		10	-	-	-	10
SEHORE	2020-21	Winter	Animal disease management	Demonstration of Parasite Management in Lactating cows	Enterprises	Dairy	Dairy	-	Completed		No use of endo & ectoparasiticide drugs	Albendazole (3g) + deltamethrin (5ml)		02	-	07	01	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 Buffalo calf management practices to manage calf mortality	Buffalo Calf	Calf mortality (%) Body weight gain (kg.)										
Demonstration of role of Vitamin E in prevention of sub clinical mastitis in Buffaloes	Buffalo	Sub clinical mastitis Milk yield (lit/day)										
Demonstration of Improved Breed for Backyard Poultry (Gramapriya)	Poultry	B. W. gain (Kg/bird) Egg production (No.)										
Demonstration of Parasite Management in Lactating cows	Cow	Calf mortality (%) Body weight gain (kg.)										
Demonstration of Bajra + Cowpea green fodder on production performance of lactating Buffaloes	Dairy	Milk yield (lit./day) Fat %										

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 Buffalo calf management practices to manage calf mortality	Dairy	Calf mortality (%) Body weight gain (kg.)										
Demonstration of role of Vitamin E in prevention of sub clinical mastitis in Buffaloes	Dairy	Sub clinical mastitis Milk yield (lit/day)										
Demonstration of Improved Breed for Backyard Poultry (Gramapriya)	Poultry	B. W. gain (Kg/bird) Egg production (No.)										
Demonstration of Parasite Management in Lactating cows	Dairy	Milk yield (lit./day/animal)										

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

KVK Name	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- NA

KVK Name	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)

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	Others	General	Total
2020-21	Kharif	Nutritional Security	Demonstration of Preservative Seasonal Fruits (Mango, Guava and Aonla)	Enterprise	Enterprises	10	Low Consumption of seasonal fruits in daily diet.	Persevered Fruits (Mango, Guava & Aonla)		In Progress				
2020-21	Kharif	Nutritional Security	Demonstration of Preservative Seasonal Fruits (Mango, Guava and Aonla)	Enterprise	Enterprises	10	Low Consumption of seasonal fruits in daily diet.	Persevered Fruits (Mango, Guava & Aonla)		02	-	08	-	10

Economic Performance Home Science FLD: (Drudgery Reduction)- NA

KVK name	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) - NA

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

Economic Performance Home Science FLD: (For value addition) NA

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

Economic Performance Home Science FLD: (For Nutritional security)

KVK name	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	
SEHORE	Demonstration of Preservative Seasonal Fruits (Mango, Guava and Aonla)	In progress																			
SEHORE	Demonstration of Preservative Seasonal Fruits (Mango, Guava and Aonla)																				

3.10 Training and Extension activities conducted under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks
Onion	Field days	01	35	Plant Protection
	Farmers Training	01	25	
	Media coverage	01	Mass	
Soybean	Field days	02	70	
	Farmers Training	02	50	
	Media coverage	03	Mass	
	Training for extension functionaries	01	30	
Chickpea	Field days	02	70	
	Farmers Training	02	50	
	Media coverage	03	Mass	
	Training for extension functionaries	01	30	
Chickpea	Field days	02	70	
	Farmers Training	02	50	
	Media coverage	03	Mass	
	Training for extension functionaries	01	30	
Tomato	Field days	01	35	
	Farmers Training	01	25	
	Media coverage	01	Mass	
Vegetable crops	Field days	01	35	
	Farmers Training	01	25	
	Media coverage	01	Mass	
Hybrid Maize	Field days	01	32	Agronomy
	Farmers Training	01	25	
	Media coverage	02	Mass	
	Training for extension functionaries	01	20	
Wheat	Field days	01	30	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	20	
Wheat	Field days	01	32	

Crop	Activity	No. of activities organized	Number of participants	Remarks
	Farmers Training	01	25	
	Media coverage	02	Mass	
	Training for extension functionaries	01	20	
Wheat	Field days	01	32	
	Farmers Training	01	25	
	Media coverage	02	Mass	
	Training for extension functionaries	01	20	
Wheat	Field days	01	32	
	Farmers Training	01	25	
	Media coverage	02	Mass	
	Training for extension functionaries	01	20	
Soybean	Field days	01	32	
	Farmers Training	01	25	
	Media coverage	02	Mass	
Soybean	Field Day	01	32	Soil Science
	Farmers Training	01	25	
	Media Coverage	01	Mass	
	Training for Extension Functionaries	01	25	
Hybrid Maize	Field Day	01	31	
	Farmers Training	01	25	
	Media Coverage	01	Mass	
	Training for Extension Functionaries	01	25	
Wheat	Field Day	01	31	
	Farmers Training	01	25	
	Media Coverage	01	Mass	
	Training for Extension Functionaries	01	25	
Onion	Field Day	01	31	
	Farmers Training	01	25	
	Media Coverage	01	Mass	
	Training for Extension Functionaries	01	25	
Buffaloes	Field Day	01	40	Animal Husbandry

Crop	Activity	No. of activities organized	Number of participants	Remarks
Buffaloes	Farmers Training	01	25	
	Media Coverage	01	Mass	
	Field Day	01	40	
	Farmers Training	01	25	
	Media Coverage	01	Mass	
Buffaloes	Field Day	01	40	
	Farmers Training	01	25	
	Media Coverage	01	Mass	
Poultry	Field Day	01	40	
	Farmers Training	01	25	
	Media Coverage	01	Mass	
Cows	Field Day	01	40	
	Farmers Training	01	25	
	Media Coverage	01	Mass	
Seasonal Fruits	Field Day	01	32	Homescience
	Farm Women Training	02	50	
	Group Meeting	01	20	
	Media Coverage	01	Mass	
	Training for Extension Functionaries	01	25	

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.	SEHORE	Hybrid Maize	PHM-3	Kisan bio seeds plants vipan utpadak sahkari maryadit, Sehore	10	4

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	
SEHORE	Assessment of IDM module for the management of Yellow mosaic disease in Green Gram	
	Assessment of effective use of different information sources for production technology of onion & Garlic.	
	Assessment of knowledge & adoption of Soil Health Card based on fertilizer application	
	Assessment of Soybean variety RVS 2001-18	
	Assessment of Pre emergence herbicide in soybean	
	Assessment of Wheat Variety 8759 (Pusa Tejas) in irrigated condition	
	Assessment of lentil Variety RVL-11-4	
	Assessment of IPM module for the management of fruit fly in cucurbits (Bottle gourd & Pumpkin)	
	Assessment of IDM module for the management of leaf curl disease in tomato	
	Assessment of Integrated Nutrient Management in Soybean- Chickpea Cropping System	
	Assessment of Micronutrients on yield and quality of Garlic crop.	
	Assessment of INM module in chickpea crop	
	Assessment of bio –waste decomposer for quality organic product enhance soil health	
	Assessment of Tomato Hybrid Arka Rakshak.	
	Assessment of Integrated Farming System approach for doubling farmer's income of small farmers.	
	Assessment of Integrated Management of diamond Black Mouth in Cabbage and cauliflower.	
	Assessment of IDM module for the management of stemphylium blight and Purple Blotch in Garlic	
	Assessment of IPM module for the management of gram pod borer in chickpea	
	Assessment of INM module in onion crop	
	Assessment of IDM module for the management of Yellow mosaic disease in Green Gram	
	Assessment of Drumstick Crackers for Improving Hemoglobin level in Blood	
	Assessment on use of Milking Revolving Stool with Stand for Drudgery Reduction	
	Assessment of electrolytes to manage heat stress in Poultry	
	Assessment of fermented yeast culture supplementation on augmentation of growth in murrah buffalo heifers	
	Assessment of Chelated minerals supplement on milk yield in cows	

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
SEHORE	Training to Farmers & Farm Women (FW)	PRA Group Meeting Field Visit SAC Meeting Interface	As per Action Plan of KVK	PRA- 50 Group Meeting – 10-15 Field Visit – 05-10 SAC Meeting – 30 Interface – 30-40
SEHORE	Training to Rural Youth (RY)	PRA Group Meeting Field Visit SAC Meeting Interface	As per Action Plan of KVK	PRA- 50 Group Meeting – 10-15 Field Visit – 05-10 SAC Meeting – 30 Interface – 30-40
SEHORE	Vocational Training (V.T.)	Visits Group discussion questionnaires	As per Action Plan of KVK	Visits – 20 Group discussion – 05-10 Questionnaires – 50
SEHORE	Training to Extension Personnel	Interface, SAC Meeting Results of OFTs Results of FLDs Field Visit	As per Action Plan of KVK	Interface – 30-40 SAC Meeting -30 Results of OFTs - 04 Results of FLDs – 04 Field Visit – 05

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
FT	ONC	Crop Production	Integrated Crop Management	Production technology of kharif crops	01	1	-	-	15	-	-	-	10	-
FT	OFC	Crop Production	Crop Diversification	Production technology of Maize	01	1	-	-	5	-	5	-	15	-
FT	OFC	Crop Production	Weed Management	Integrated weed management in soybean	01	1	-	-	5	-	-	-	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
FWT	OFC	Crop Production	Weed Management	Women friendly weeding equipments and their operation	01	1	-	-		10	-	-	-	15
FT	ONC	Crop Production	Integrated Crop Management	Production technology of wheat and Chickpea crop	2	1	-	-	5	-	-	-	20	-
FT	OFC	Crop Production	Weed Management	Weed management in wheat	2	1	-	-		-	5	-	20	-
FT	OFC	Crop Production	Microirrigation / irrigation	Irrigation scheduling of Rabi crops	1	1	5	-	5	-	-	-	15	-
FWT	OFC	Crop Production	Others (Nursery management)	Nutritional Security through carotene rich durum wheat	01	1	-	-		5	-	-	-	20
FT	OFC	Crop Production	Others (use cost of cultivation)	Improved Technology for reduce cost of cultivation	2	1	-	-	5	-	-	-	20	-
FW	OFC	Horticulture (Vegetable Crops)	Off season vegetables	Kitchen Gardening in Backyard	02	01	-	20	-	3	-	3	-	24
FW	OFC	Horticulture (Vegetable Crops)	Off season vegetables	Kitchen Gardening in Backyard	02	01	-	20	-	3	-	2	-	25
FW	OFC	Horticulture (Vegetable Crops)	Off season vegetables	Kitchen Gardening in Backyard	02	01	-	20	-	4	-	4	-	22
FT	OFC	Horticulture (Vegetable Crops)	Others(Organic vegetables)	Production Organic vegetables for better health	01	01	5	-	-	-	-	-	25	-
FT	ONC	Horticulture (Vegetable Crops)	Others(Organic Vegetables)	Production Organic vegetables for better health	01	01	5	-	-	-	-	-	25	-
FT	OFF	Horticulture(Spices)	Production and Management technology	Package & Practices of Garlic & Onion cultivation	01	01	5	-	3	-	2	-	15	-

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
FT	OFF	Horticulture(Spices)	Production and Management technology	Package & Practices of Kharif Onion	01	01	5	-	2	-	2	-	11	-
FT	OFF	Horticulture(Spices)	Production and Management technology	Package & Practices of Chilli & Tomato (Hybrid)	01	01	-	-	3	-	2	-	20	-
FT	OFF	Horticulture(Spices)	Production and Management technology	Package & Practices of Chilli & Tomato (Hybrid)	01	01	-	-	3	-	2	-	20	-
FT	OFF	Horticulture (Fruits)	Cultivation of Fruit	Plantation Technique of fruit Plants and their promising varieties	02	01	30	-	6	-	4	-	10	-
FT	OFF	Horticulture (Fruits)	Cultivation of Fruit	Plantation Technique of fruit Plants and their promising varieties	02	01	30	-	6	-	4	-	10	-
FT	OFF	Horticulture (Others)	Others (Women friendly tools)	Women friendly tools for vegetable growing	01	01	-	-	-	03	-	02	-	25
FWT	OFC	Soil Health and Fertility Management	Soil fertility management	Soil Fertilizer Management through composting	01	01	-	3	-	6	-	-	-	16
FWT	OFC	Soil Health and Fertility Management	Soil fertility management	Soil Fertilizer Management through composting	01	01	-	3	-	6	-	-	-	16
F&FW	OFC	Soil Health and Fertility Management	Soil & water testing	Importance of Soil Testing & Collection of Soil sample	01	01	8	-	3	-	-	-	14	-
F&FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated Nutrient Management in Kharif Crop	01	01	3	-	2	-	3	-	17	-

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	Nutrient Management in Kharif Crops	01	01	3	-	2	-	-	-	20	-
F&FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Nutrient Management in Rabi Crops	01	01	2	-	3	-	2	-	18	-
F&FW	ONC	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Micro Nutrient deficiency symptoms & management	01	01	2	-	-	-	-	-	23	-
F&FW	OFC	Soil Health and Fertility Management	Nutrient Use Efficiency	Importance & use of water soluble fertilizer	01	01	4	-	1	-	1	-	19	-
FWT	ONC	Soil Health and Fertility Management	Others (Liquid bio fertilizer)	Importance and use of Liquid biofertilizer in field crop	01	01	-	-	-	02	-	02	-	21
F & FW	ONC	Livestock Production and Management	Dairy Management	Breeding management in dairy animals	01	01	3	-	3	-	3	-	16	-
F & FW	OFC	Livestock Production and Management	Dairy Management	Calf management	01	01	10	-	2	-	-	-	13	-
FWT	OFF	Livestock Production and Management	Dairy Management	Clean Milk Production	01	01	-	-	-	2	-	-	-	23
F&FW	OFF	Livestock Production and Management	Dairy Management	Deworming of Animals	01	01	10	-	-	-	-	-	15	-
FWT	OFC	Livestock Production and	Poultry Management	Backyard poultry farming	01	01	-	-	-	23	-	-	-	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
		Management												
F & FW	OFC	Livestock Production and Management	Animal Nutrition Management	Feeding management of animals	01	01	7	-	-	-	-	-	18	-
F& FW	OFC	Livestock Production and Management	Disease Management	Parasite management in animals	01	01	-	-	5	-	-	-	20	-
F& FW	OFC	Livestock Production and Management	Disease Management	Mastitis management in animals	01	01	-	-	5	-	-	-	20	-
FWT	OFC	Livestock Production and Management	Disease Management	Disease management in animals	01	01	-	-	-	5	-	-	-	20
F & FW	ONC	Livestock Production and Management	Feed & fodder technologies	Round the year green fodder production	01	01	4	-	2	-	-	-	19	-
FW	OFF	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Household food security by nutritional garden	01	01	-	4	-	3	-	2	-	16
FW	OFF	Home Science/Women empowerment	Design and development of low/minimum cost diet	Importance of Balanced diet in daily life	01	01	-	-	-	7	-	-	-	18
FW	OFF	Home Science/Women empowerment	Gender mainstreaming through SHGs	Gender mainstreaming through SHGs	01	01	-	5	-	-	-	16	-	25
FW	OFF	Home Science/Women empowerment	Value addition	Preservation of seasonal fruits and vegetables	02	01	-	4	-	06	-	-	-	40

Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
FW	OFF	Home Science/Women empowerment	Women empowerment	Income generation activities for empowerment of Rural women	01	01	-	8	-	2	-	-	-	15
FW	OFF	Home Science/Women empowerment	Rural Craft	Skill Development through Rural Craft	01	01	-	5	-	-	-	-	-	20
FW	OFF	Plant Protection	Others (Nursery Management)	Nursery Management in Vegetable crops	01	01	-	5		5	-	3	-	12
FW	OFF	Plant Protection	Integrated Pest Management	Management of Store grain pest	01	01	-	5		5	-	3	-	12
FT	OFF	Plant Protection	Integrated Pest Management	Management of termite in wheat crop under rainfed/ limited irrigation	01	01	10	-	3	-	2	-	16	-
FT	OFF	Plant Protection	Integrated Pest Management	IPM in Cucurbits crops	01	01	5	-	5	-	5	-	10	-
FT	ONC	Plant Protection	Integrated Pest Management	IPM in Soybean crop for the management of Girdle beetle of Leaf Defoliators	03	01	10		2		3		10	-
FT	ONC	Plant Protection	Integrated Pest Management	Plant Protection measure in Kharif Crops	03	01	5	-	2	-	2	-	16	-
FT	ONC	Plant Protection	Integrated Disease Management	IDM in chickpea for the management of wilt, root rot and collar rot diseases	03	01	10	-	2	-	2	-	11	-
FT	OFF	Plant Protection	Integrated Pest Management	Management of sucking pest in Onion & Garlic	01	01	10		5		5		5	
FT	OFF	Plant Protection	Integrated Disease Management	Management of yellow mosaic in green gram	01	02	5	-	3	-	2	-	15	-
FT	OFF	Plant Protection	Bio control of Pest and disease	Importance & use of Bio Botanical pesticides in vegetable	02	01	10	-	5	-	2	-	8	-

Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
				crops										
FT	OFF	Plant Protection	Others (Seed Treatment)	Importance & Methods of Seed treatment	01	01	10	-	3	-	2	-	10	-
FT	OFC	Capacity Building and Group Dynamics	Group dynamics	Group formation and its importance	01	01	10	-	2	-	2	-	11	-
FW	OFC	Capacity Building and Group Dynamics	Others (Health Mangement)	Awareness programme on health and sanitation	01	01	-	5		5	-	4		16
FT	ONC	Capacity Building and Group Dynamics	Mobilization of social capital	Pradhan Mantri Krishi Sinchayee Yojana	01	01	5	-	3	-	2	-	15	-
FW	OFC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Role of SHG for income generation	01	01	-	5		5	-	4		16
FT	ONC	Capacity Building and Group Dynamics	Others (Crop Insurance)	Crop insurance	01	01	5	-	3	-	2	-	15	-
FT	OFC	Capacity Building and Group Dynamics	Group dynamics	Cashless Transaction	01	01	-	-	5	-	-	-	20	-

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

Name of KVK	Category (RY)	Training Type (ONC/O FC)	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
SEHORE	RY	ONC	Protected cultivation of	Protected Cultivation of	01	02	10	-	2	-	2	-	11	-

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
			vegetable crops	Vegetable crops										
SEHORE	RY	ONC	Integrated farming System	Integrated Farming System for small & marginal farmers	02	03	30	-	6	-	4	-	10	-
SEHORE	RY	OFC	Integrated farming System	Integrated Farming System for small & marginal farmers	02	03	30	-	6	-	4	-	10	-
SEHORE	RY	ONC	Others(Horticulture)	Climate resilience technique of Horticultural Crops	01	01	10	-	3	-	2	-	10	-
SEHORE	RY	OFC	Production of organic inputs	Organic farming	01	01	02	-	5	-	8	-	10	-
SEHORE	RY	OFC	Production of organic inputs	Organic farming	01	01	10	-	5	-	1	-	9	-
SEHORE	RY	OFC	Vermi culture	Fertilizer Application as per Soil Test Value	01	01	-	-	4	-	3	-	18	-
SEHORE	RY	ONC	Repair and maintenance of farm machinery and implements	Repair & Maintenance of Farm Machineries	01	01	5	-	4	-	-	-	16	-
SEHORE	RY	OFC	Others (Agronomy)	Calculation of herbicide dose & its preparation	01	01	-	-	-	-	5	-	20	25
SEHORE	RY	ONC	Sheep and goat rearing	Goat Farming	01	02	-	-	8	-	12	-	-	-
SEHORE	RY	ONC	Poultry production	Backyard Poultry farming	01	02	-	-	13	-	7	-	-	-
SEHORE	RY	OFC	Others (Womens & Child Care)	Health Care of Pregnant Women, Child Care and Adolescent Girls	01	01	-	4	-	4	-	-	-	17
SEHORE	RY	OFC	Others (High nutrition efficiency diet)	Development of High Nutrient efficiency Diet	01	01	-	4	-	4	-	-	-	17
SEHORE	RY	ONC	Agri Extension	Role of electronic media	01	01	2	-	2	-	1	-	20	-

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
				in agriculture										
SEHORE	RY	ONC	Agri Extension	Custom hiring centre	01	01	-	2	-	5	-	-	-	18
SEHORE	RY	ONC	Others (Integrated pest management)	Management of Green pod borer in chickpea	01	01	10	-	2	-	2	-	16	-
SEHORE	RY	ONC	Others (Integrated pest management)	IPM in Vegetable crops	01	01	12	-	2	-	1	-	10	-
SEHORE	RY	ONC	Others (Integrated pest management)	IPM Module in Soybean, Pigeonpea & Maize crop	01	01	11	-	4	-	5	-	5	-
SEHORE	RY	ONC	Others (Plant protection)	Calculation of pesticide dose & preparation of its stock solution.	01	01	9	-	3	-	4	-	9	-

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		6	7	8	9	10	11	12	13	14	15
SEHORE	IS	ONC	Productivity enhancement in field crops	Production technology of Kharif Crops	02	01	-	-	06	-	04	-	20	-
SEHORE	IS	ONC	Productivity enhancement in field crops	Production technology of Rabi Crops	02	01	-	-	06	-	-	-	20	-
SEHORE	IS	ONC	Integrated Pest Management	Plant protection issues in Kharif crops	01	01	-	-	-	-	-	-	20	5
SEHORE	IS	ONC	Integrated Pest Management	Plant protection issues in Rabi crops	01	01	-	-	-	-	-	-	20	5
SEHORE	IS	ONC	Integrated Nutrient management	Nutrient management in Kharif crops	01	01	-	-	-	-	-	-	25	-

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
SEHORE	IS	ONC	Integrated Nutrient management	Importance & use of water & soluble fertilizer	01	01	-	-	-	-	-	-	25	-
SEHORE	IS	ONC	Women and Child care	Health Care of Children, Pregnant Women and Adolescent Girls	01	01	-	5	-	5	-	2	-	13
SEHORE	IS	ONC	Women and Child care	Low Cost and Nutrient efficient diet designing	01	01	-	3	-	4	-	1	-	17
SEHORE	IS	ONC	Management in farm animals	Use of sexed semen in dairy animals	01	01	-	-	-	-	-	-	25	-
SEHORE	IS	ONC	Management in farm animals	Infertility management in dairy animals	01	01	-	-	-	-	-	-	25	-
SEHORE	IS	ONC	Others(Horticulture)	Integrated Farming System model for higher income	01	01	-	-	-	-	-	-	20	5
SEHORE	IS	ONC	Others (Vegetables crop)	Kitchen Gardening for nutritional and Livelihood security	01	01	-	-	-	-	-	-	-	30
SEHORE	IS	ONC	Others (Agri Extension)	Participatory rural appraisal (PRA) for programme planning	01	01	-	-	-	-	-	-	20	05
SEHORE	IS	ONC	Others (Agri Extension)	Information and Communication Technology in Agriculture	01	01	-	-	-	-	-	-	20	05
SEHORE	IS	ONC	Others(Agriculture Engineering)	Selection, Operation, Safety and maintenance of Improved Agricultural Machinery	02	01	-	-	06	-	04	-	20	-

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	Vermi-composting	Vermi- composting	Enterprises	Income Generation	01	05	02	-	02	-	01	-	5	-
Crop production and management	Organic Farming	Organic Farming	Enterprises	NRM			02		01		02		05	
Income generation activities	Rural Crafts	Dress designing and tailoring	Enterprise	Income Generation	01	05	-	4	-	5	-	1	-	10
Post harvest technology and value addition	Value addition	Value Added Food Items, Preservation and Storage	Enterprise	Nutritional security	01	05	-	2	-	5	-	-	-	13
Income generation activities	Mushroom cultivation	Mushroom Production Technology	Enterprise	Income Generation	05	05	10	2		2		6	-	-
Income generation activities	Others(Honey Bee Rearing)	Honey Bee Rearing	Enterprise	Income Generation	05	05	10	3	-	2	-	5	-	-
Income generation activities	Others(Plant Clinic)	Plant Clinic	Enterprise	Income Generation	05	05	10	3	-	2	-	5	-	-
Income generation activities	Others(Horticulture)	Establishment of High- tech Nursery	Vegetables	Income Generation	05	05	-	-	2	-	1	-	7	-
Income generation activities	Others(Horticulture)	High Tech Horticulture	Vegetables	Income Generation	05	05	-	-	2	-	1	-	7	

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	Sheep and goat rearing	Goatery Management	Goatery	Traditioanl goat rearing practices	01	05	-	-	06	-	04	-	-	-
Livestock and fisheries	Others(Pl. Specify) Dairy	Dairy management	Dairy	Low income from dairy	01	05	02	-	02	-	-	-	06	-
Income generation activities	Repair and maintenance of farm machinery & implements	Custom hiring & maintenance of farm machinery	Enterprises	Farm Machinery	01	01	-	-	02	-	01	-	07	-
Income generation activities	Seed production	Seed production & Marketing	Enterprise	CMP	01	05	-	-	3	-	02	-	10	-

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durati on (days)	No. of cour ses	No. of Participants								Sponsori ng Agency	Fund received for training (Rs.)
							Gen		Other s		SC		ST			
							M	F	M	F	M	F	M	F		
F&FW	CMP	Crop Production	Others(Awaren ess Programme)	Farmers Training WDRA Awareness Programme	01	01	5	-	37	-	5	-	3	-	WDRA, New Delhi	50,500.00
F&FW	CMP	Crop production and management	Soil health and fertility management	Fertilizer efficiency awareness programme	01	02	25	-	130	-	25	-	20	-	-	-
F&FW	CMP	Crop production and management	Others(Pl. Specify)	Skill Development Training Programme	15	02	05	-	25	-	05	-	05	-	-	-

Client (F &FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Durati on (days)	No. of cour ses	No. of Participants								Sponsori ng Agency	Fund received for training (Rs.)
							Gen		Other s		SC		ST			
							M	F	M	F	M	F	M	F		
F&FW	CMP	Crop production and management	Others(Pl. Specify)	Paramparagat Krishi Vikas Yojana (PKVY)	-	-	-	-	2	-	03	-	45		-	-
F&FW	Ag. Exn.	Agricultural Extension	Others(Enterpri ses)	SCSP Programme	-	-	15	-	40	-	25	-	-	-	-	-

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	
SEHORE	-	-	-	-	-

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

Name of KVK	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
Women Friendly weeding equipments and their operation	02	55
Nutritional Security through carotene rich durum wheat	01	25
Household food security by Kitchen Gardening and Nutrition Gardening	04	115
Soil fertilizer management through composting	02	50
Importance and use of liquid bio fertilizer in Field crops	01	25

Area of Training	Jan-Dec-2020	
	Courses	Participants
Nursery management in vegetable crops	01	25
Management of Store grain pest	01	25
Backyard poultry Farming	01	25
Disease management in Animals	01	25
Clean milk production	01	25
Awareness programme on helath and sanitization	01	25
Role of SHG for income generation	01	25
Gender Mainstream through SHG	01	25
Importance of Balanced diet in Daily Life	01	25
Income generation activities for empowerment of Rural Women	01	25
Skill Development through Rural Craft	01	25
Preservation of Seasonal Fruits	01	25
Health Care of Pregnant women, Child care and Adolescent Girls	01	25
Development of High Nutrient efficiency Diet	01	25
Dress Designing and Tailoring	01	20
Value added food items, Preservation and storage `	01	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	08	200
Horticulture	12	310
Soil Health and Fertility Management	09	225
Livestock Production and Management	09	225
Agril. Engineering	01	25
Plant Protection	13	325
Fisheries	-	-
Production of Input at site	-	-
Capacity Building and Group Dynamics	06	150
Agro forestry	-	-

Table 5.10 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./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)
SEHORE	Production Technology of Hybrid Maize	25									
SEHORE	Production Technology of Wheat	25									
SEHORE	Calculation of herbicides and its preparation	25									
SEHORE	Nutritional Security through Durum Wheat	25									
SEHORE	Mushroom Production	15									
SEHORE	Bee keeping	20									
SEHORE	IPM in Kharif Crop (Soybean)	25									
SEHORE	IPM in Rabi Crop	25									
SEHORE	IPM in Chickpea	25									
SEHORE	Kitchen Gardening for Nutritional Security	25									
SEHORE	Value addition in Seasonal crops	45									
SEHORE	Dress Designing and tailoring	25									
SEHORE	Nutritional management of Children & Pregnant women	50									

Name of KVK	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)
SEHORE	Nutrition, Health and Hygiene	25									
SEHORE	Skill Development for Craft Material	20									
SEHORE	Impact of soil testing & collection of Soil samples	25									
SEHORE	Integrated nutrient management in Kharif Crop	25									
SEHORE	Nutrient Management in Kharif Crop	25									
SEHORE	Nutrient Management in Rabi Crop	25									
SEHORE	Importance & use of water soluble fertilizer	25									
SEHORE	Fertilizer application as per soil test value	25									
SEHORE	Vermi Composting	11									

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			
	Field Day	24		510	70	145	30	38	16	Feedback & Popularization	Package Demonstration	Maturity Stage

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			
SEHORE										of Technology	of Hybrid maize	
											Weed managemen in Wheat crop	Tillering stage
											Demonstration of Wheat variety HI 1605 (Pusa Ujala) in Semi irrigated Condition	Maturity Stage
											Demonstration of Wheat variety HI 8663 (Poushan) for Nutritional security	Maturity Stage
											Demonstration of Furrow irrigated Raised Bed Planting machine in Soybean crop	Maturity Stage
											Garlic variety, G-282	Harvesting stage
											Kitchen Garden	Production Stage
											Onion- Bheema super	Maturity Stage
											Kitchen Garden	Production

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			
												Stage
											Tomato Arka Rakshak	Maturity Stage
											INM in Garlic	Maturity Stage
											Nutrient Management in Wheat crop	Harvesting Stage
											INM in Maize crop	Harvesting Stage
											Foliar spray of potassium nutrient in Soybean	Maturity Stage
											IPM in Onion crop	Maturity Stage
											IDM in chickpea	Harvesting Stage
											IPM in Soybean	Harvesting Stage
											IPM in Wheat	Harvesting Stage
											Cowpea+Bajra feeding	Lactating buffalo
											Calf Management	Growth stage
											Vitamin E in Sub clinical Mastitis	Lactating buffalo

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			
SEHORE	Kisan Mela	01		645	50	175	70	50	10	Awareness of latest Technology	Back Yard Poultry	Growing stage
SEHORE	Interface	02		-	-	-	-	60	40	Feedback & popularization of technology	Parasite Management	Lactating cow
											Doubling income of farmers	Standing crop of Rabi
SEHORE	Kisan Ghosthi	04		134	35	35	25	11	-	Feedback & popularization of technology	IPM for Kharif crops	After sowing kharif crop
											INM for Rabi crops	After sowing Rabi crop
											Prod. Tech. of Kharif crops	Before kharif sowing
											Prod. Tech. of Rabi Crops	Before Rabi sowing
SEHORE	Ex trainee Meet	04		80	15	20	5	-	-	Need assessment & feedback	Organic Farming	
											Diversified Farming System	
											Discuss about Agronomical technologies	-
											Discuss about organic technologies	-
											Discuss about Animal Science technologies	-
											Discuss about	-

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			
SEHORE	Exhibition	10		900	100	250	50	60	10	Awareness	Awarenes for latest agri. Technology	-
SEHORE	Film Show	35		600	70	150	50	50	20	-	For Awareness	-
SEHORE	Method Demonstrations	11		118	15	32	10	08	02	Capacity Building	Layout of Kitchen Garden	Before sowing seed
											Filling of Plug Tray	At the time of Sowing seed
										Capacity Building	Herbicide calculation	July
											Rouging	Flowering
										Capacity Building	Soil Sampling	-
											Foliar spray of water soluble fertilizer	-
										Capacity Building	Seed treatment	-
											Application of pesticide and calculation	
											Installation of Insect Management Tools	-
										Capacity Building	Clean Milk Production , Ration Balancing	-

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			
SEHORE	Farmers Seminar	02	-	55	-	25	-	8	2	popularization of technology	Integrated Farming System	Standing crop
											Water Conservation	Before sowing rabi crop
SEHORE	Workshop	02	-	55	10	15	15	4	-	Feedback & popularization of technology	Soil Health Management	Before Kharif sowing
											Conservation Agriculture	Before Rabi sowing
SEHORE\	Group meetings	28		220	50	70	25	10	05	Need Assessment & Feedback	Nursery Management	-
											Vegetable Production	-
											Protected Cultivation	-
											Kitchen Gardening	-
										Need Assessment & Feedback	Vemi Composting	-
											Nutrient Management as per STV	-
											Nutrient Management as per STV	-
											Soil Health Management	-
										For training Selection	Conservation Agriculture	-

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			
											Seed Production	-
											Farm Mechanization	-
											Weed Management	-
											Plant Protection	
										Awareness	Pradhan Mantri	
											Pradhan Mantri	
											Nutriton	-
										Awareness	Value added products	-
										Need Assessment & feedback	Goat Farming	-
											Dairy Management	-
SEHORE	Lectures delivered as resource persons	105	-	800	75	150	50	60	10	As per programme	Agronomical-	-
											Different	-
SEHORE	Newspaper coverage	110	-	Mass						Mass dissemination	Important activities-	-
SEHORE	Radio talks	10	-	Mass						Mass dissemination	Seasonal	-
SEHORE	TV talks	16	-	Mass						Mass dissemination	Seasonal	-
SEHORE	Popular Articles	10	-	Mass						-	Production technology of Pigeon pea and Profitability of Zero tillage,	

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			
											seed cum fertilizer drill machine in wheat-paddy cropping system, Nutrition and food habits etc	
SEHORE	Extension Literature	25	-	Mass						-	Utility of bio-fertilizers, INM in kharif and rabi crops,	
SEHORE	Farm Advisory Services	60	-	Mass						-	-	-
SEHORE	Scientific visit to farmers field	168	-	950	125	250	105	40	15	-	-	-
SEHORE	Farmers Visit to KVK	4000	-	3100	200	400	100	180	20	-	-	-
SEHORE	Diagnostic Visits	08	--	100	15	20	10	2	2	-	-	-
SEHORE	Exposure Visits	02	--	15	05	15	05	2	2	-	-	-
SEHORE	Parthenium Awareness	01		20	10	5	5	-	-	Awareness	Parthenium management	-

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			
	Day											
SEHORE	Soil Health Camp	01	-	30	5	15	5	2	2	-	Soil Health Management	
SEHORE	World Soil Health Day	01		100	-	-	-	-	-	-	Soil Health	-
SEHORE	Animal Health Camp	04	-	100	-	50	-	10	-	Awareness	Animal Health Management	-
SEHORE	Celebration of important days	08	-	210	25	15	100	-	10	Awareness Programme	World Women Day, World Environment day, World water Day Kisan Diwas, World Food Day, World Breast Feeding week, National Nutritional month, Kisan Mahila Divas	-
SEHORE	Technological week	01	-	350	-	10	-	10	-	-	Awareness about the agriculture latest technologies	-
SEHORE	Awareness programme – Clean	05	-	150	50	100	30	20	05	-	Awareness Programme	-

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			
	India Campaign, PMFBY, PMKSY & Parthenium awareness, WDRA											
SEHORE	Awareness programme of PPV&FRA	01		100	15	15	10	4	2	Awareness Programme	Protection of plant variety	-
SEHORE	FPOs Meeting	01		-	-	-	-	-	-	Capacity Building	Management & dealing with clients	-

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			
TV talks	16	Doordarshan	Doordarshan	Mass
Newspaper coverage	110	Hari Bhumi, Dainik Bhaskar, Patrika, Nav Duniya, Nav Bharat	District Level News coverage paper	Mass
Internet (Youtube)	10	-	-	-
Social media (Whats App, Facebook, Instagram, Twitter etc.)	110	Facebook & Whatsapp Instagram	At KVK, Sewania	Mass

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.
SEHORE	January to March 2020	Q1	1000	1000	Farmer & Extension officials
SEHORE	April to June 2020	Q2	1000	1000	Farmer & Extension officials
SEHORE	July to September 2020	Q3	1000	1000	Farmer & Extension officials
SEHORE	October to December 2020	Q4	1000	1000	Farmer & Extension officials

7.2 Literature developed/published

KVK Name	Type	Number of copies (please don't give mass please fill number only)
SEHORE	Abstract	04
SEHORE	Book	-
SEHORE	Book Chapter	-
SEHORE	Booklet	-
SEHORE	Leaflets/ Folder/ Pamphlet	8000 nos.
SEHORE	Popular article	14
SEHORE	Technical Bulletin	04 (10 no. each)
SEHORE	Training Manual	-
SEHORE	Technical Report	10
SEHORE	Year Planner	110
SEHORE	Others (Research Paper)	10
SEHORE	Others (Case study)	04
SEHORE	Others (Success Story)	08

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
SEHORE	-	-	-	-	-

7.3 Details of Electronic Media Produced

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

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.)
SEHORE	Cereals	Wheat	Pusa Ujala (HI-1605)	50	-	75	50 ha.
SEHORE			Pusa Mangal (HI-8713)				
SEHORE			Pusa Tejas (HI-8757)				
SEHORE	Pulses	Pigeon pea	TJT 501	02	-	40	
SEHORE		Chick pea	RVG 202	20	-	50	
SEHORE			RVG 204	10	-	25	
SEHORE		Green gram	Shikha (IPM-410-03)	05	-	30	
SEHORE	Oil seeds	Soybean	JS-2034	10	-	25	
SEHORE			RVS- 18	10	-	25	
SEHORE	Spice	Garlic	G-282	30	-	50	
		Ginger	Shurabhi & Suprabha	05	-	10	

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.)
SEHORE	Fruit	Drumstick	PMK-1				
SEHORE		Papaya	Vinayak Hybrid				
SEHORE		Guava	Lalit				
SEHORE			Shweta				
SEHORE		Lemon	Seedless				
SEHORE	Vegetable	Chilli	Hybrid				
SEHORE		Brinjal	Hybrid				
SEHORE		Tomato	Hybrid				

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
SEHORE		Onion	Bheema Supper				
SEHORE	Flower	Marigold	Hybrid				
SEHORE		Gladiolus	Hybrid				

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

* Name of product should follow same pattern

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.), if applied
SEHORE	Bio agent	Vermicompost	70000	-	-	-	-
		Azolla	500	-	50000	200	-
		Earthworms	300	-	45000	30	-
		Compost (Decomposer)	1000	-	-	-	-
		Blue green algae					
		NADEP	16000	-	-	-	-
		Sanjeewani Khad					
		Acetobactor					
		Aspergillius					
		Azotobactor					
		Azospirillum					
		Phosphate solublizing Bacteria					
		Rhizobium					
		Other (Vermi wash)	200 Lit.	-	-	-	-
		Other (Cow Dung)	54000	-	43200	-	-
	Bio-Food	Spirulina					
		Honey					
		Any Other (pl. sp.)					
	Bio Pesticides	Neem extract					
		Neem powder					

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.), if applied
		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					
		Eisenia foetida					
		Earth worm					
		Any other (pl. specify)					
	Others	Mushroom spawn					

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.), if applied
		Mineral Mixture					
		Cow dung (dry)					
		Any other (pl. specify)					

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.		
SEHORE	Dairy animals	Cow	Gir	Heifers	No	09 No	360000.00	09
SEHORE		Calves						
SEHORE		Goats						
SEHORE		Buffaloes						
SEHORE		Sheep						
SEHORE		Breeding bull						
SEHORE		Other (pl specify)						
SEHORE	Poultry	Poultry	Grampriya	Hen &Cock	-	240	96000.00	160
SEHORE		Japanese quail						
SEHORE		Japanese quail eggs						
SEHORE		Ducks						
SEHORE		Turkey						
SEHORE		Other						
SEHORE	Piggery	Piglets						
SEHORE		Boar						
SEHORE		Sow						
SEHORE		Other (pl specify)						
SEHORE	Fisheries	Indian carp						
SEHORE		Exotic carp						
SEHORE		Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

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

KVK Name	Status of establishment of Soil testing Laboratory (Y/N) and year, if	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	Provid ed by Dept./ DDA	Mini Soil Testi ng	Soil testing laborat ory	By Departm ent	By KVK				By Departm ent	Throu gh Mini Soil
		Mini Soil Testi ng	Soil testing laborat ory											
SEHORE	Yes & 2012	-	-	250	-	-	250	-	-	250	-	-	-	250

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)
SEHORE	Water Sample	-	-	-	-

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	
SEHORE	-	-	-	-	-	-	-	-	-	-	-	-	-

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.)
SEHORE	-	-	-	-	-

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	
SEHORE	-	-	-	-	-	-	-	-	-	-	-	-	-

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)
SEHORE						

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
SEHORE	2010-11	2010-11	06	02	-

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
SEHORE	5000	400	50	5450

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	6850	10	45596	1049	1049
		Integrated Farming	-	-	-	-	-
		Field Preparation	285	02	45596	1049	1049
		Any Other (Specify)		-			
2	Weather	Advisory	650	04	45596	1049	1049
		Change in variety	-	-	-	-	-
		Change in Sowing technique	-	-	-	-	-
		Climate forecast	-	-	-	-	-

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	758	03	45596	1049	1049
		INM	2050	05	45596	1049	1049
		Fertilizer Application	690	04	45596	1049	1049
		Vermi composting/ bio-waste recycling	-	-	-	-	-
		Bio-fertilizer	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
4	Disease & Pest Management	Disease Management	1225	03	45596	1049	1049
		Pest Management	1338	05	45596	1049	1049
		Preventive Advisory Disease Management	-	-	-	-	-
		Preventive Advisory Pest Management	2251	04	45596	1049	1049
		Bio-pesticides	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
5	Nutrition Security & Women Empowerment	Nutrition Awareness	425	02	45596	1049	1049
		Kitchen garden	-	-	-	-	-
		Value Addition and Processing	390	02	45596	1049	1049
		Drudgery Reduction	-	-	-	-	-
		Entrepreneurship & Income Generation	-	-	-	-	-
		Advisory	-	-	-	-	-
		Any Other (Specify)	-	-	-	-	-
6	Horticulture	Vegetable	2885	04	45596	1049	1049
		Fruit	1215	04	45596	1049	1049
		Hi Tech Horticulture	2250	03	45596	1049	1049
		Any Other (Specify)	-	01	45596	1049	1049

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	800	03	45596	1049	1049
		Dairy Management	1280	05	45596	1049	1049
		Fisheries	-	-	-	-	-
		Poultry Management	-	-	-	-	-
		Vaccination & Disease management	1258	04	45596	1049	1049
		Any Other(Specify)	-	-	-	-	-
8	Farm Mechanization		-	-	-	-	-
9	Extension		-	-	-	-	-
10	Organic Farming		-	-	-	-	-
11	Marketing		-	-	-	-	-
12	Awareness		-	-	-	-	-
13	Other Enterprise		-	-	-	-	-
14	Any Other(Specify)		550	03	45596	1049	1049

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)
SEHORE	ATMA	Farmer Welfare & Agriculture Development, Dept.		Revalidation of Technology	District Level	
SEHORE	NHM	Department of Horticulture		Capacity Building	District	
SEHORE	SHC	Farmer Welfare & Agriculture Development, Dept.		Soil testing & develop the SHC card	District	
SEHORE	WDRA	WDRA, New Delhi		Capacity Building & Awareness	District Level	

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)	
SEHORE	15,00,000.00	OFT		95000	0.0
		FLD (other than CFLD)		100000	
		Training	85	200000	
		Extension Activities	244	150000	
		SAC Meeting	02	15000	
		Special Programme (WDRA Aware Programme)	01	50500	
		Special Programme (Pre Rabi Mela)	01	80000	
		Special Programme (Kisan Mela)	01	300000	
		Special Programme (Animal Disease Control Aware Programme)	01	15000	
		Special Programme (Plantation Awareness Programme)	01	10000	
		Others (Office Contingency)		175000	
		Others (POL)	-	150000	
		Others (Printing & Publication)	-	130000	
		Others (Other Expense)	-	29500	

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
SEHORE	10637865071	240195.68	168091.38	Seed sale, Orchard sale, Grain sale, Vermicompost sale, Livestock, Earthworms, Farmer hostel & Training hall charges, Institutional charges

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
SEHORE	-	-	-	-	-

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 (Kharif Season)	Cereals	Paddy	Kranti, Sebhagi, P.B.-1, P.B.- 1121, P.B.- 150	P.B.-1
		Maize	Hybrid- AHC- 2595, INDAM- 1122, PAC- 751, INDAM-1205, INDAM-1501	INDAM- 1501
	Pulses	Pigeon pea	UPAS- 120, PUSA-16, JKM-183, ASHA, TJT-501, IPA-2010-30-5	TJT- 501
		Green gram	SHIKHA, VIRAT, IPM- 2-3	SHIKHA
		Black gram	PU-1,UTTARA, IPU-2-43	UTTARA
	Oilseeds	Soybean	RVS- 2011-1, JS-2096, JS-2029, RKS-24, PAC-1082, JS-2117, JS- 2098, JS- 20-116, JS-2053, JS- 2069, JS-9560, JS-2094, RVS-24, RVS-76, RVS- 2001-04, RVS-18, PS-15	RVS-18, PS-1569, JS- 2069
		Seasamum	TKG- 22, TKG-21, TKG-55, TKG-306, TKG- 308, GTS-8	TKG- 55
4000 (Rabi Season)	Cereals	Wheat	HI-8713, HI- 8736, HI- 8759 , HI-1544, HI-1454, HI-1605, HI-1612, HI- 8777, HI- 8663, GW-451, GW-366, JW-3288, JW- 3382, MP- 1202,MP- 1203, MPO- 1215, HD- 2962, DBW- 110,	HI-8769, HI-8713
	Pulses	Chickpea	RVG- 202,RVG- 203, RVG- 204, RVG-205, SHUBHRA, JAKI- 9218, VIKRAM PHULE, KAK-2, PKV-4, JKG-3, JG- 412, JG- 16, JG-11	RVG-202,RVG-204, Vikram phule
		Lentil	JL-3	JL-3
		Pea	Arkel	Arkel
	Oilseed	Mustard	Hybrid-5222	Hybrid- 5222
		Castor	NARI- 6	NARI- 6
		Linseed	JLS-9	JLS-9
	Vegetable	Garlic	G-282, G-384	G-282
		Fenugreek	RMT- 305	RMT- 305

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
SEHORE	25 th June, 2020	100
SEHORE	21 st December, 2020	100

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
SEHORE	05	1049	04	05	15	925

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 *
SEHORE	-	-	-	-	-	-	-

*Attached separate File

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	
SEHORE	KVK, Shajapur	-	-	-	Knowledge
SEHORE	KVK, Rajgrah	-	-	-	Knowledge

27. Important visitors to KVK

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

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	SEHORE	2015-16	https://www.kvksehore.nic.in	08	510

29. Status of Mobile Apps developed by KVK

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

30. Status of RTI

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

31. Status of Citizen Charter

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

32. Participation in HRD Programmes organized by ATARI

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

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

33. Participation in HRD Programmes organized by DES

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

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

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)
SEHORE	-	-	-	-	-

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

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
SEHORE	-	-	-	-

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
SEHORE	Gosthies	01	40	Production of Kharif Crop
SEHORE	Lectures organized			
SEHORE	Exhibition			
SEHORE	Film show	01	20	
SEHORE	Fair			
SEHORE	Farm/ Field Visit	08	-	
SEHORE	Diagnostic Practical's			
SEHORE	Distribution of Literature (No.)	-	200	
SEHORE	Distribution of Seed (q)	-	-	
SEHORE	Distribution of Planting materials (No.)	-	100	
SEHORE	Bio Product distribution (Kg)	-	-	
SEHORE	Distribution of Bio Fertilizers (q)	-	-	
SEHORE	Distribution of fingerlings	-	-	
SEHORE	Distribution of Livestock specimen (No.)	-	-	
SEHORE	Total number of farmers visited the technology week	-	-	
SEHORE	Animal health camp	01	40	
SEHORE	Awareness programme	04	-	
SEHORE	Demonstration	-	-	
SEHORE	Exposure visit	02	40	Latest Farm Machineries visits
SEHORE	Ex-trainees Meet	01	30	Interacted to Farmer for feedback of Technology
SEHORE	Farmer scientist interaction	-	-	
SEHORE	Farmers Training	01	30	Farm Women Training

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
SEHORE	Gajarghans Unmulan Pakhwada	-	-	-
SEHORE	Group Meeting	02	20	-
SEHORE	Jai Kisan Jai Vigyan Sangoshthi	-	-	-
SEHORE	Plant Protection Week	-	-	-
SEHORE	Seed treatment campaign	-	-	-
SEHORE	Self Help Group convener meet	-	-	-
SEHORE	Soil health Camp	-	-	-
SEHORE	Swachha Bharat Abhiyan	03	50	-
SEHORE	Others (Field Day)	03	120	INM in Soybean, Maize, Vegetable crops
SEHORE	Others (Interface)	01	40	Production Technology of Kharif Crops
SEHORE	Others (Clean India Awareness Programme)	01	50	Sanitation & Cleaning

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

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

Farmers-scientists interaction on livestock management

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

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
SEHORE	04	160	120

Seed distribution in drought hit area

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

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
SEHORE	-	-	-	-
Saplings				
SEHORE	-	-	-	-

Bio-control Agents

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

Bio-Fertilizer

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

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
SEHORE	Eisenia fetida	500	-	25

Large scale adoption of resource conservation technologies

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

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
SEHORE	-	-	-	-	-	-	-	-	-	-	-	-

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

Name of KVK	Block	Village
SEHORE	-	-

1. Technologies to be Demonstrated

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

2. Extension Activities

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

3. Training Programme

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

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

Name of the KVK	SEHORE
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
-	SEHORE	-	-