



Zonal Agri-News

(A Newsletter from ICAR-ATARI, Jabalpur)

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World Soil Health Day Celebrated by ICAR-ATARI, Jabalpur and KVKs

World Soil Health Day 2016 was celebrated on December 5, 2016 in 99 KVKs of Zone VIII in Madhya Pradesh, Chhattisgarh and Odisha. Hon'ble Chief Minister, Madhya Pradesh Sh. Shivraj Singh Chouhan graced World Soil Day programme as Chief Guest at Burhanpur. The World Soil Day programme was attended by five State Ministers, Smt. Archana Chitnis Minister of Women and Child Development at Burhanpur, Sh. Brijmohan Agrawal, Minister of Agriculture, Animal Husbandry, Fish Rearing and Water Resources, Chhattisgarh at Raipur, Sh. Pradeep Maharathy, Minister of Agriculture, Farmers'

Empowerment, Fisheries and Animal Husbandry, Odisha. Sh. Bhaiya Lal Rajwade, Minister for Labour Dept, Youth Welfare and Sports, Chhattisgarh at Korea, Smt. Ramsheela Sahu, Minister for Women & Child development, Chhattisgarh at Durg. Four Hon'ble Member of Parliament, 17 MLAs, 92 Zila Panchayat Chairman and other dignitaries. Exhibitions were organized by KVKs on this occasion showing seeds, planting material and various soil health conservation technologies. The KVKs received support from other line departments of state governments in organization of World Soil Health Day Programme.

Summary of state wise programmes conducted by ATARI, Jabalpur

Name of State	Total no. of KVKs conducted programme in State	No. of Participants	No. of Soil Health Card distributed	Public representative /Other dignitaries graced the Occasion					
				Ministers (State)	MP	MLA	Distt. Collector	Chairman Zila Panchayat	Chairman Janpad Panchyat
Madhya Pradesh	46	20168	73537	1	2	4	6	24	14
Chhattisgarh	21	13495	9380	3	1	7	4	15	9
Odisha	32	7649	3758	1	1	6	8	22	8
Total	99	41312	86675	5	4	17	18	61	31



Smt. Savita Bai Deepak receiving soil health card by Hon'ble Chief Minister Madhya Pradesh, Shri Shivraj Singh Chouhan



Sh. Brijmohan Agrawal, Minister of Agriculture, Animal Husbandry, Fish Rearing at Raipur



Sh. Pradeep Maharathy, Minister of Agriculture, Farmers' Empowerment, Fisheries and Animal Husbandry, Odisha at Puri



Smt. Archana Chitnis Minister of Women and Child Development at Burhanpur



Sh. Bhaiya Lal Rajwade Minister for Labour Dept, Youth Welfare and Sports at Korea

Promoting Cashless Transaction among Farmers during World Soil Health Day

To promote cashless transaction among farmers and make them aware about the process of cashless transaction ICAR-ATARI, Jabalpur took initiative along with KVKs to promote cashless transaction for input purchase among farmers on the occasion of World Soil Health Day on December 5, 2016. Bank officials and KVK scientists created awareness about the benefits of cashless transaction for sale of farm produce and purchase of agro-inputs. Farmers

purchased including pesticides, seeds planting material and farm machinery as well as tractor from input dealers using swap card/ POS machines, aadhaar enabled cashless transaction, ATM/debit card and online payment apps etc. Total 75 KVKs have organised the awareness programme on cashless transaction benefitting 25432 farmers with participation of 249 input dealers.



Shri Sudarshan Bhagat Ji, Hon'ble Minister of State for Agriculture & Farmers Welfare at KVK Sundargarh



Cashless transaction for agro input by women farmer at Sonepur

Capacity Building of KVK Horticultural Experts at ICAR-IIHR Bengaluru

Capacity building programme of Horticultural Experts from KVKs on Vegetables, Fruits and Flowers from KVK from Zone VII was organized at ICAR-IIHR Bengaluru during December 15-17, 2016. The programme was participated by 25 participants from Madhya Pradesh, Chhattisgarh and Odisha. During the training programme Panel discussions were organised to gain knowledge on Production, Integrated Pest Management, Disease Management, Nutrient Management and Post Harvest Management of selected fruit, vegetable and ornamental crops, farm mechanization in horticulture



Director IIHR interacting with participants

and Production of quality planting material. The Participants also visited the seed processing plant, horticulture nursery, post harvest unit, seed plant, mushroom unit and ATIC at IIHR. The participants also visited the nurseries of progressive farmers and polyhouse cultivation at farmers fields. Dr M. R. Dinesh Director, IIHR appreciated the collaboration of with ATARI and urged horticultural experts from to disseminate the technologies of IIHR to the farmers in their region. The programme was coordinated by Dr T. M. Reddy, Dr R. Venkattakumar and Dr Nita Khandekar from IIHR and Dr A. A. Raut from ATARI, Jabalpur.



Participants from KVKs of ATARI, Jabalpur in Training at IIHR

Orientation of KVK Trainers on Skill Development Programme

Skill development training programme is being implemented in 13 KVKs from ICAR-ATARI, Jabalpur under Pradhan Mantri Kaushal Vikas Yojana. The three day capacity building programme on 'Orientation of KVK trainers for conducting skill development programmers' was jointly organized at IGKV Raipur during November 17-19, 2016 by ICAR-ATARI, Jabalpur and Directorate of Extension Services, IGKV, Raipur with technical support from Agriculture Skill Council of India (ASCI), New Delhi as organized. The inaugural session was chaired by Dr V. P. Chahal, ADG (AE), ICAR, New Delhi. Dr Chahal in his address stated that skill development is one of the priority area of the government and skill development programmes in agriculture are being implemented by ICAR in KVKs in collaboration with ASCI.

Dr Anupam Mishra, Director ICAR-ATARI, Jabalpur emphasized on the need of equipping farmers with new skills in farming to promote farming in scientific manner and promote entrepreneurship. Dr M. P.

Thakur had discussion with the participants about the skill development training programme at KVKs. The programme was attended by Head and SMS from KVK Ambikapur, Datewada, Janjgir-Champa, Kanker, Korea, Satna, Morena, Indore, Jhabua, Bhopal, Jagtsingpur and Kalahadi. The training programme was also attended participants from SCTC Hazaribagh, NSTRC Varanasi and NCOF Ghaziabad. During three day orientation on the skill training Col P S Gupta resource person from Agriculture Skill Council of India (ASCI) and experts from ASCI briefed participants about National Occupation standards (NOS), Qualification Packs (QPs), overview of National Skill Qualification Framework (NSQF) and Common Cost Norms (CCN), Procedure on uploading data on Skill Development Management System (SDMS) and a practice session on developing a Training Delivery Plan. This followed by an assessment of the participants on the Job specific Qualification Pack. The programme was coordinated by Dr A.A. Raut, Scientist. ICAR-ATARI, Jabalpur.



Orientation programme on skill development training for KVK trainers at IGKV Raipur

Orientation Workshop of Farmer FIRST Project

Orientation workshop of Farmer FIRST Project was held on November 18, 2016 at IGKV, Raipur. Chief Guest Dr. S.K. Patil, Vice-Chancellor, IGKV, Raipur in inaugural address opined that Farmer FIRST Project is good initiative taken by ICAR to have direct linkage of scientist with the farming community through proven technologies as per the need of the farmers and according to the prevailing farming system in their rural settings. On this occasion, Dr. V.P. Chahal, ADG (Agril. Extn) briefed about the genesis of the Farmer FIRST Programme and urged the project team to take realistic and result oriented technological intervention in the project. Dr. Anupam Mishra, Director, ATARI, Jabalpur emphasized that indicators

of all technological interventions should be according to the characteristics of the technology and should be well-defined in the measurable terms. Dr. M.P. Thakur, Director Extension, IGKV, Raipur appealed all the scientists of Farmer FIRST Project to conduct base line survey and document the status of the farmers so that the desired change could be brought up through appropriate technological intervention. All PIs of the project presented their project outline and thorough discussion was carried out during the workshop. Dr. S.R.K. Singh, Principal Scientist, ICAR-ATARI, Jabalpur coordinated the programme and proposed vote of thanks to all the dignitaries and participants.



Orientation Workshop of Farmer FIRST Programme at IGKV Raipur

Zonal Committee Meeting of ARYA Project

The Zonal Committee Meeting of ARYA project was organized by ICAR-ATARI, Jabalpur at Directorate of Extension Services, RVSKVV, Gwalior on October 21, 2016 under the chairmanship of Prof.

A. K. Singh, Hon'ble Vice- Chancellor, RVSKVV Gwalior. Chairman in his address highlighted that selection of enterprises and youth should be given due attention. The enterprises should be selected based on the

availability of resources and keeping the social-economic environment in view. Dr Anupam Mishra, Director, ICAR-ATARI Jabalpur stressed that activities selected by KVKs under ARYA should be planned in business model involving financial institutions, policy makers, successful agripreneurs and the training modules for each enterprise highlighting the day-wise programme (Both practical and theory aspects) should be prepared by each KVKs. He

further highlighted that farmer-wise database having AADHAR No. and GPS Coordinates should be prepared by the KVKs. Convergence with different schemes like Start-up India, Skill India, MUDRA Yojna, etc should be established. Dr. S. K. Shrivastava, Director Extension Services, scientists of KVKs and invitee members were present in the meeting. The programme was coordinated by Dr. Prem Chand, Scientist, ICAR-ATARI Jabalpur.

Fish Farmer- Scientists Interface cum Capacity Building on Value Addition and Processing

Fish Farmer- Scientists Interface cum Capacity Building on Value Addition and Processing was held during November 19-20, 2016 at DES, IGKV, Raipur on the occasion of World Fish Day. The programme was inaugurated by Dr. J. K. Jena, DDG (Fishery Science). During his address he emphasized that there should be concerted efforts to promote the sustainable aquaculture rather than only profitable mode. He further expressed that there is need to replace the brood stock. Seed village concept could be applied in fishery sector also to maintain the quality of the seeds for the fish growers. Dr. S.K. Patil, Vice-Chancellor, IGKV, Raipur chaired the session and suggested that there is need to have the assured seed availability and its proper quality to reap the potential benefits of the fishery in the Chhattisgarh state. On this occasion, Dr. Anupam Mishra, Director, ATARI, Jabalpur urged fishery scientist to identify the on-farm problems and provide the solution to the

fish farmers for enhancing the fish productivity of the state and bring prosperity among the growers. The Interface was attended by Dr. V. K. Shukla, Director, Fishery Deptt., Chhattisgarh, Dr. M. P. Thakur, Director Extension, Dr. H. K. Vardia, Dean, COFS, Kawardha IGKV, Raipur, Dr. S.R.K. Singh, Principal Scientist, ATARI, Jabalpur. The farmers and fisheries scientists from KVKs in Madhya Pradesh Chhattisgarh and Odissa participated in the interface. On this occasion field visit to the farm of the hatchery owners was also organized and on-site discussion was there of the scientists and hatchery owners under guidance of DDG (Fishery Science). The programme was completed by the celebration of the World Fish Day at KVK Dhamtari on November 21, 2016 in which more than 100 fish growers participated and interacted at the field condition. The programme was coordinated by Dr. S.R.K. Singh, Principal Scientist, ICAR-ATARI, Jabalpur.



Fish Farmer- Scientists Interface at IGKV, Raipur



Celebration of the World Fish Day at KVK Dhamtari

Sensitization Workshop on Warehousing Development and Regulatory Authority

One day Sensitization Workshop on Warehousing Development and Regulatory Authority (WDRA) was jointly organized at Jabalpur by Directorate of Extension Services, JNKVV and ICAR-ATARI, Jabalpur on December 14, 2016. The workshop was chaired by Sh. Hari Krishna Dabas, Under Secretary (Tech), Ministry of Agriculture & Farmers Welfare, Govt. of India. Sh. Dabas in his address highlighted the rules and regulatory framework of WDRA and mechanism for safe storage of farm produce and food grains.

Dr Anupam Mishra, Director, ICAR-ATARI, Jabalpur emphasized on the role of KVK scientists in creating mass awareness among farmers about warehouse facilities in the region, so as to get higher prices for their produce in following months which in turn will help them and reduce post harvest losses during storage and protect from distress sale of their produce.

Dr P.K. Bisen in his address appealed KVK scientists to encourage farmers in availing warehouse facilities and give feedback to KVK scientists.

Coordinator of the programme Dr SRK Singh Pr. Scientist, ICAR-ATARI, Jabalpur emphasized on the Government initiatives to create public awareness about warehousing and urged upon KVK scientists to educate farmers to join this movement towards self sufficiency in food and nutritional security. The meeting was attended by Dr UPS Bhadoria Joint Director Extension, RVSKVV, Gwalior, Dr. Sanjay Vaishampayan and Dr. Moni Thomas, Plant Protection experts from JNKVV. A total of 75 participants from 59 KVKs from Madhya Pradesh, Chhattisgarh, Odisha, ICAR-ATARI and Directorate of Extension Services, JNKVV, Jabalpur participated in the workshop.



Sensitization Workshop on Warehousing Development and Regulatory Authority at Jabalpur

Celebration of Jai Kisan Jai Vigyan Week

KVKs of ICAR-ATARI Jabalpur celebrated 'Jai Kisan Jai Vigyan' Week from December 23-29, 2016 on the birth anniversary of former Prime Ministers Sh. Atal Bihari Vajpayee and Late Sh. Chaudhary Charan Singh. The programme was organized keeping in view their immense contribution for promoting use of science for the welfare of farmers. KVKs in states of Madhya Pradesh, Chhattisgarh and Odisha organized various farmer awareness programs aiming showcasing and demonstration of new technological advances for enhancing productivity and profitability of agriculture. Progressive farmers who have successfully adopted latest technologies and have made contribution in wide scale adoption of technologies by farmers were

felicitated. Technical and Scientific information on Rabi crop management practices, vegetable and spice crop management technology, live stock disease management, organic farming, biogas, vermin-compost and farm waste management techniques and solutions of related problems were availed to the farmers and farm women in the farmers gossthi. Awareness on various technological interventions in agriculture and allied sectors were disseminated to farmers and farm women of the village. During this period various farmer awareness programmes like Farmer's Trainings, Farmer's Sangosthi, Scientist-Farmers Interaction, Farmer's group Discussion were organized.



Jai Kisan Jai Vigyan programme at Dewas



Jai Kisan Jai Vigyan programme at Kanker

6th Institute Management Committee Meeting of ICAR-ATARI, Jabalpur

Sixth Institute Management Committee Meeting of ICAR-ATARI, Jabalpur was organised on December 1, 2016 under the Chairmanship of Dr. Anupam Mishra, Director, ATARI, Jabalpur in presence of other members. Presentation of Progress

reports of the current projects and new project presentation were done by scientists. Various administrative and financial matters were discussed during the meeting.



Sixth Institute Management Committee Meeting of ICAR-ATARI, Jabalpur



Swacchh Bharat Abhiyan by ICAR-ATARI, Jabalpur and KVKs

"Swachha Bharat Mission" programme is being observed by the KVKs in its campus and adopted villages. KVKs under Zone VII are focussing on creating awareness about cleanliness among farming communities through various extension activities, demonstrations, training programmes on utilization of various organic waste for composting, vermicompost making, zero tillage. Scientists and staff of ICAR-ATARI and KVKs took pledge for cleanliness on October 2, 2016. Swachhta Pakhwada was observed during

October 16-31, 2016. In adopted village scientist and staff of KVK along with villagers regularly participated in the movement. Awareness campaigns and rallies were carried out in adopted villages to aware and educate the school students and rural mass about the good effects of cleanliness. Awareness programme about importance of cleaning/sanitation among school children's are organized. KVKs adopted clean and green campus as part of Swacch Bharat Abhiyan.



Swacchta Awareness rally in Village Lokhkari by ATARI and KVK Jabalpur



Swacchta Campaign at ICAR-ATARI, Jabalpur



Swacchta Campaign in village by KVK Kawardha



Awareness about cleliness invloving Anganwadi workers by KVK Kalahandi

Meeting for Farm Innovation Fund Project

The meeting of Farm Innovation Fund was organised at ICAR-ATARI Jabalpur on December 6, 2016 under the chairmanship of Director ATARI. The meeting was Sh. Viveek Mahajan Farmer,

representative and scientists from ATARI. The project proposals from five KVKs Seoni, Dhamtari, Keonjhar, Bargarh, Dhenkanal were presented by the SMS from the KVKs.



Meeting of Farm Innovation Fund

Technology Demonstration Component under NICRA by KVKs

NICRA is operational in 17 KVKs of Zone VII.

- Under Natural resources Management Module, a total of 699 farmers benefited and covering area of the 307.4 ha area in all activities. Though total 94 demonstrations were conducted on 94.5 ha area focusing on in-situ moisture conservation, water harvesting and recycling for supplemental irrigation, improved drainage in flood in prone areas, etc.
- Under Crop Production module, a total of 996 farmers benefited and covered 360.02 ha area focused on drought tolerant varieties, Short duration varieties, Crop diversification, Integrated crop management etc. on wheat, gram and vegetable crops.
- Under Livestock and fisheries module, a total of 811 farmers benefited through covering

1286 animals and birds focusing the preventive vaccination, de-worming of animals and animal health camp and 8.2 ha area were covered.

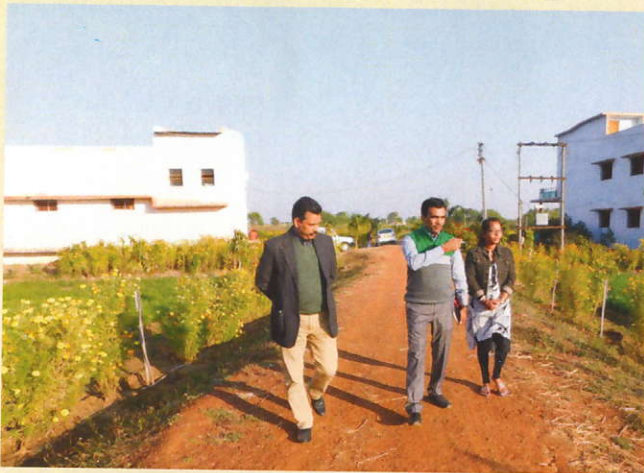
- Under Institutional interventions, in custom hiring through various implements - Rotavator, multi crop thresher and seed drill, etc. 427 farmers were benefitted and it covered 230.82 ha area.
- Under Capacity Building, total 67 training courses were organized benefiting 1841 participating farmers.
- As Extension Activity, a total of 209 activities were organized benefiting 3201 farmers.



Cluster Demonstration on Oilseeds Rabi 2016-17

Cluster Demonstration on Oilseeds conducted in 70 KVKs ATARI Jabalpur in Rabi Season. In which 7755 demonstration conducted in 3102 ha area. The major oilseed crops which is covered under rabi season are Linseed, Rapeseed & Mustard, Sesamum, Sunflower and Groundnut. In Chhattisgarh under Linseed crop 286ha area covered where as 450ha area covered by Rapeseed and Mustard and 60ha area demonstrated in sesame crop. In Madhya Pradesh 520ha area covered under Rapeseed mustard where as 260ha

area covered by Linseed crop. Where as in Odisha 726ha area covered by Groundnut and 460ha area covered by Rapeseed Mustard as well as 220ha area covered by sesame crop and 120ha area covered by sunflower crop. All the demonstrations done based on GPS based farmer selection, soil test based fertilizer application, IPM and IDM. Major sowing methods adopted are Line sowing, Broad bed, Dibbling, Ridge & Farrow are adopted.



Cluster Demonstrations on Pulses Rabi 2016-17

The Department of Agriculture Co-operation and farmers welfare, Ministry of Agriculture and farmers welfare Govt. of India sanctioned a project on "Cluster Frontline Demonstration on pulses during 2016-17" under NFSM with the total outlay of Rs. 5.93 crores to demonstrate the frontier technologies of major pulses crop namely Blackgram, Greengram, Pigeonpea, Lytharus, Chickpea, Fieldpea, Lentil and Horsegram. During Rabi 2016-17 demonstrations have been conducted 01 KVKs in area of 3477.24 ha through 8288 demonstrations. Out of these coverage area in Blackgram is 200 ha through 556 demonstrations, chickpea 1607.44 ha through 3749 demonstrations, Fieldpea 290 ha through 771 demonstrations, green gram 816.8 ha through 1914 demonstrations, lentil 420 ha through 934 demonstrations, Lytharus 88 ha through 201 demonstrations and Pigeonpea 55 ha through 163 demonstrations. The demonstration are been implemented through 82 KVKs. The major technological intervention includes seed treatment, GPS based soil



testing, improved varieties, soil test based fertilizer application, pre emergence of application of herbicides, improved method of sowing such as raised bed planting, ridge & furrow, line sowing with ferti-cum seed drill etc.



KMA Activities

Around two million farmers were covered through mobile advisories by 100 KVKs through 1298 messages comprising the subjects of crop, livestock, marketing, awareness etc. in the Zone VII during the

quarter October to December 2016. All KVKs under this directorate are now using farmer portal for sending the messages.

No. of Calls	No. of farmers Covered	No. of Messages (Text)	Type of messages					
			Crop	Livestock	Weather	Marketing	Awareness	Other enterprise
14569	1827154	1298	691	137	89	22	221	138

KVKs in Agricultural Technology Application Research Institute, Zone VII, Jabalpur

Agricultural Technology Application Research Institute, Zone VII, Jabalpur monitors activities of 101

KVKs in the three states namely Madhya Pradesh, Chhattisgarh and Odisha.

Table-1: KVKs across the three state in the ATARI, Zone VII

State	No. of District	Details of KVKs			Total
		SAU	ICAR	NGO	
Chhattisgarh	27	21	-	-	21
Madhya Pradesh	50	39	1	7	47
Odisha	30	31	2	-	33
Total	107	90	3	7	101

Transfers

Dr A. P. Diwedi Sr. Scientist (Agronomy) was relieved form ICAR-ATARI on November 21, 2016 to join at ICAR-Indian Institute of Sugarcane Research, Lucknow.

DIRECTORS DESK

Dear Colleagues,

It is a matter of privilege to forward the ICAR-ATARI Newsletter. The newsletter is presented as a comprehensive treatise highlighting the significant achievements of KVKs under ICAR-ATARI, Jabalpur from Madhya Pradesh, Chhattisgarh and Odisha. Our pursuits towards assessment and refinement of technologies for farmers brought sweet fruits and national accolades.



World Soil Health Day was celebrated on December 5, 2016 across the Zone by 99 KVKs in collaboration with District authorities and various line departments with involvement of Chief Ministers, Member of Parliaments, Ministers, MLAs and other people's representatives. A total of 86675 Soil Health Cards were prepared and distributed by KVKs on World Soil Health Day Programme. The World Soil Health Day Programme was attended by Hon'ble Chief Minister, Madaya Pradesh Sh. Shivraj Singh Chouhan at Burhanpur.

To create awareness among farmers about cashless transaction, institute took initiative with KVKs to promote cashless transaction for input purchase by farmers benefitting 25432 farmers with participation of 249 input dealers. Capacity building programme at IHR Bengaluru helped horticultural experts from KVKs to gain knowledge on latest production technologies of fruit, vegetable and ornamental crops. Orientation of KVK trainers for conducting skill development programmers was organized to create awareness about for National Skill Qualification Framework. During the period under report ICAR-ATARI, Jabalpur had a privilege to hold Fish Farmer - Scientists Interface cum Capacity Building on Value Addition and Processing and Sensitization Workshop on Warehousing Development and Regulatory Authority.

Swachhta Pakhwada was celebrated by ATARI and KVKs during October 16-31, 2016 by organizing awareness campaigns and cleanliness drive at KVKs and adopted villages. Jai Kisan Jai Vigyan Week was celebrated by KVKs from December 23-29, 2016 by organising programmes like Kisan Sanghoshti, Exhibition, Farmer felicitation, exhibitions etc. Various programmes like Cluster Demonstration for Harnessing Productivity of Pulses and oilseeds, National Initiative on Climate Resilient Agriculture, Skill Development Programme, ARYA are running in selected KVKs under the jurisdiction of ATARI, Jabalpur.

I sincerely acknowledge the cooperation and support from programme coordinators, scientists and staff of KVKs in Zone VII to achieve excellence in our mandated areas with collective action. I also compliment the members of publication committee for bringing out this newsletter.

(Anupam Mishra)

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