



# Zonal Agri-News

(Newsletter of ICAR-ATARI, Jabalpur)

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April – June 2016

## Hon'ble Union Minister of Agriculture and Farmers Welfare Sh. Radha Mohan Singh inaugurated Exhibition at KVK Rewa

Sh. Radha Mohan Singh, Hon'ble Union Minister of Agriculture and Farmers Welfare inaugurated exhibition of Agricultural technologies organised by eight KVKs of Madhya Pradesh at Rewa on 3<sup>rd</sup> June 2016. Eight KVKs displayed various agricultural technologies for showcasing to the farmers. He

also interacted with KVKs along with officials and asked them to equip farmers with latest agricultural technologies. A 'Farmer Scientist Interaction' was organised during which also Progressive farmers were felicitated on the occasion.



## Pradhan Mantri Fasal Bima Yojana Awareness Campaign by KVKs

Awareness campaign on Pradhan Mantri Fasal Bima Yojna (PMFBY) was organised in the three states of Madhya Pradesh, Chhattisgarh and Odisha as per the directions of Hon'ble Union Minister of Agriculture and Farmers Welfare, Government of India. Programmes were organised by Krishi Vigyan Kendras

campuses involving farmers and other stakeholders. The public representatives, government officials and agricultural scientists attended the programmes and contributed significantly in making the programme successful. The programme focused on creation of awareness on various provisions of the scheme.



Sh. Vishnu Deo Sai, Union Minister of State for Mines, Steel, Labour & Employment at Raigarh



Sh. Jual Oram, Union Minister of Tribal Affairs at Sundergarh

Interactive sessions facilitated interface between farmers and the experts in resolving various concerns of farmers. The programme was organised during this quarter in 90 KVKs with participation of 53095 farmers in states of Madhya Pradesh, Chhattisgarh and Odisha. Hon'ble Vishnu Deo Sai, Minister of State for Steel & Mines was chief guest in programme on April 7, 2016 at KVK Raigarh, Chhattisgarh. Sh. Jua Oram, Union Minister for Tribal Affairs was chief guest on April 16, 2016 at KVK Sundergarh, Odisha.

As a whole, in PMFBY programme was blessed by eight Hon'ble Ministers (State Government), 55 Hon'ble Member of Parliament as Chief Guest. The programme was also attended by 70 Member of Legislative Assembly (MLA) from three states along with Chairman/ member of Zilla Panchayat. Besides District Collectors, Bank Officials, line departments also participated in the programme.

Summary of Pradhan Mantri Fasal Bima Yojana Programme Zone VII

State	No. of KVKs	Hon'ble Union Ministers	Hon'ble State Govt Ministers	Hon'ble MPs	MLAs	No. of Farmers
Chhattisgarh	17	01	01	8	18	13044
Madhya Pradesh	43	0	05	26	33	31025
Odisha	30	01	02	21	19	9026
<b>Total</b>	<b>90</b>	<b>2</b>	<b>8</b>	<b>55</b>	<b>70</b>	<b>53095</b>

### Farmers Fair and Exhibition at NRRI Cuttack on 9 May 2016 participated by KVKs

Ten KVKs from Odisha participated in farmers fair at NRRI Cuttack on 9 May 2016. KVKs participated in the exhibition displaying various agricultural technologies, farmers varieties, literature etc. Progressive farmers from KVKs have also participated in the programme. Shri Radha Mohan Singh, Union Minister of Agriculture and Farmers Welfare inaugurated Farmers fair organized by ICAR-National Rice Research Institute, Cuttack here today in presence of Shri Dharmendra Pradhan, Minister of State (with Independent charge) for Petroleum and Natural Gas, Shri Bhartruhari Mahtab, Member

of Parliament (Lok Sabha), Cuttack, Dr. Trilochan Mohapatra, Secretary (DARE) and Director General (ICAR) and other dignitaries. In his address, he explained benefits of different Centrally Sponsored Schemes viz. Pradhan Mantri Fasal Bima Yojana, Pradhan Mantri Krishi Sinchai Yojana, Soil Health Card, e-NAM (National Agriculture Market), *Gram Uday Se Bharat Uday Abhiyan*, *Mera Gaon Mera Gaurav*, Organic Farming etc. He emphasized on adoption of villages under '*Mera Gaon Mera Gaurav*' programme for demonstration of new technologies.



### Training-cum-Review Workshop on Soybean Production Technology

A three day Training cum Review Workshop on soybean Production technology has been organised at ICAR-Indian Institute of Soybean Research, Indore during 26-28 April, 2016. The workshop was inaugurated by Director, ICAR-IISR, Dr. V.S.

Bhatia accompanied by Dr. SM Husain, I/c Crop Improvement, Dr. MM Ansari, I/c Crop Protection, Dr. S.D. Billore, I/c Crop Production, Dr. A.N. Sharma, Principal Scientist (Agril. Entomology) and I/c Farm, IISR, Indore and Dr. A. P. Dwivedi, Senior Scientist,



ATARI, Jabalpur. The inaugural programme was conducted by Dr. B.U. Dupare, Principal Scientist. In his brief inaugural address Dr. V.S. Bhatia urged the KVK Scientist to expedite the process of transferring the proven technologies to the farmers and also to work for narrowing the yield gap by addressing the productivity constraints. The inaugural programme was followed by different technical sessions wherein KVK Scientists presented the progress of activities conducted by them during the last Kharif season ie. 2015 and their action plan for the coming Kharif season of 2016. The total number of participant in the programme were 61. Dr. A.P. Dwivedi and Dr. B. U. Dupare were coordinated the programme.

### Training-cum-Workshop on Soil Health and Fertility Management

A training-cum-workshop on Soil health and Fertility Management was held during April 21-23, 2016 at ICAR-Indian Institute of Soil Science (IISS), Bhopal organized by ICAR-ATARI, Zone-VII, Jabalpur in collaboration with IISS, Bhopal. SMS from Krishi Vigyan Kendras (KVKs) of Madhya Pradesh, Chhattisgarh and Odisha participated in the workshop. In the inaugural session, Dr.A.K. Patra, Director, ICAR-IISS welcomed to all the participants at IISS Bhopal and expressed his concerns over the need for proper soil sampling and analysis for making accurate and fruitful recommendations to the farmers by the KVKs. He also informed the participants about the recent developments in the field of soil science and nutrient management. Dr. A. P. Dwivedi emphasized the importance of nutrient management. The total

number of participant in the programme were 73. Dr. A.P. Dwivedi, Dr. Pradeep Dey and Dr. S. K. Viswakarma were coordinated the programme.



### Review-cum-Action Plan Workshop on Rice Production Technology

Three days workshop was organised at Directorate of Extension Services, IGKV, Raipur, Chattisgarh during 3-5 May, 2016 for KVKs working on rice production technology in states of Madhya Pradesh, Chhattisgarh and Odisha. The opening session of the workshop, the Chief Guest was Dr. S. S. Shaw, Director Instructions and Chaired by Dr. K.L. Nandeha, Principal Scientist (Agronomy) DES, IGKV, Raipur. In the programme, Progress on rice activities made by KVKs during last Kharif 2015-16 reviewed and action plan on rice crop for Kharif-2016-17 were finalized with vast discussion by house. Four lecture were delivered by experts on different important aspect of rice in the sessions in benefits of the participants. The total number of participant in the

programme were 62. Dr. A.P. Dwivedi, Dr. S. K. Pandey and Dr. Deepti Jha coordinated the programme.



## Review cum Action Plan Workshop of TSP KVKs organised at IGNTU, Amarkantak

Three day Review cum action plan workshop for TSP KVKs was organised at IGNTU, Amarkantak during 3-5 June 2016. The activities of 2015-16 were reviewed and action plan for the year 2016-17 was finalised for 24 KVKs. The workshop was inaugurated by Prof. V. S. Tomar, VC, JNKVV, Jabalpur in presence of Prof. T.V. Kattimani, VC, IGNTU, Amarkantak, Dr. Anupam Mishra, Director, ICAR-ATARI, Jabalpur, Dr. M.P. Thakur, DES, IGKV, Raipur, Dr. P.K. Bisen, DES, JNKVV, Jabalpur and participants from KVKs and IGNTU, Amarkantak. Prof. V.S. Tomar advised KVKs to focus on value addition for attracting and retaining youth in agriculture. Prof. T.V. Kattimani asked KVKs to work in tandem with tribal culture and resources available. Dr. Anupam Mishra told KVKs to focus on group activities and sharing of resources to succeed

in these areas. He also emphasised on off-farm employment generation activities like poultry, Minor forest produce, primary processing, mushroom cultivation, kitchen gardening etc for nutritional and income security of tribal farmers. Twenty Four KVKs from states of Madhya Pradesh, Chhattisgarh and Odisha presented their significant achievements and proposed action plan. Valedictory session was attended by Prof. Kapil Deo, Mishra, VC, RDVV, Jabalpur as a chief guest. He admired the work of KVKs and asked them to work relentlessly for development of agriculture and allied activities in tribal areas. The programme was coordinated by Dr. SRK Singh and Sh. Tushar Athare. The workshop concluded with vote of Thanks by T.R. Athare, scientist, ICAR-ATARI, Jabalpur.



## Annual Action Plan Workshops organised at University Level

Annual Action Plan Workshop at OUAT, Bhubaneswar was organised for 33, during 6-7 May 2016 for Odisha KVKs. KVKs from Chhattisgarh presented and finalised their action plan for the year 2016-17 during Annual Action Plan Workshop at IGKV Raipur from 4-5 May 2016. Similarly for finalising the Annual Action Plan 2016-17 workshops were organised at JNKVV Jabalpur during 21-22 May 2016 and at RVSKVV, Gwalior 10-11 May 2016. The major focus of these workshops was on KVK interventions

for doubling the income of farmers by 2022 and reducing the cost in agriculture through input savings. The workshop was attended by participants from KVKs, Directorate of Extension services, faculties of various departments of universities. KVKs also received the guidance from Vice Chancellors of these four universities. Dr Anupam Mishra, Director, ICAR-ATARI, Jabalpur guided the KVKs and asked them to contribute towards doubling farmers income by 2022.

## Training-cum-Review workshop for Animal Scientists of KVK at CGKV, Durg

Two days Training cum Review workshop was jointly organized by ATARI, Zone VII and CGKV, Durg during 7-8 June, 2016 for reviewing the progress and finalizing the action plan of the Veterinary/Animal Husbandry SMS in KVKs under ATARI Zone VII, Jabalpur. Dr. U.K. Mishra, Vice Chancellor, Chhattisgarh Kamdhenu Vishwavidyalaya (CGKV), Durg has pointed out that agriculture and animal



husbandry should move hand by hand. KVK is the ideal place for practicing the research and development in agriculture and allied sectors. Dr. P.L. Choudhary, Director Extension Services, CGKV, Durg welcome the guests, experts and all the delegates with great happiness that the programme was being conducted with the help of experts of CGKV, Durg first time. Dr. S.R.K. Singh, Principal Scientist, Zone VII

briefed about the programme and main motto of the capacity building the exchange of knowledge and experience coupled with the cross learning amongst the participants. 21 KVKs presented their annual report 2015-16 and action plan 2016-17 in presence of experts. The valedictory session was chaired by Dr. D.K. Marothia, Hon'ble member, State Planning Commission, Govt. of CG.

### Training-cum-Workshop for Extension Experts on Methodological Initiatives for Accelerating Technology Application by KVK

ICAR-ATARI, Zone-VII organized Training-cum-Workshop for Extension Experts on "Methodological Initiatives for Accelerating Technology Application by KVK" at IGKV, Raipur, Chhattisgarh from 27-29 June 2016. The workshop was inaugurated by Dr. S.K. Patil, Vice Chancellor, IGKV, Jabalpur, Dr. P. Das, Former DDG (AE), ICAR, New Delhi, Dr. D.K. Marothia, Hon'ble Member State Planning Commission, Chhattisgarh, Dr. M.M. Adhikary, Former Vice Chancellor, BCKV, Mohanpur, Dr. Anupam Mishra, Director, ATARI, Jabalpur, Dr. S.K. Rout, Former Dean, OUAT, Bhubaneswar, Dr. M.P. Thakur, DES, IGKV, Raipur, Dr. S.R.K. Singh, Principal Scientist, ATARI, Jabalpur, and Dr. M.L. Sharma, Head Extension Education, IGKV, Raipur. Dr. D.K. Marothia encouraged scientists for following innovativeness in solving problems of the farming community. Dr. Anupam Mishra, Director, ICAR-ATARI, Jabalpur expressed his expectation from the extension experts from KVKs and requested to be more pro-active in their work so that farmers could be benefitted at the highest. Dr. P. Das, Former DDG (AE), ICAR in his key lecture on "Revamping Extension

System in India" presented the brief overview of the present extension system in India, vision and guiding principles for extension reforms, Options for Institutional Reform and strategy for Revamping Extension System. Dr. S. K. Patil, VC, IGKV, Raipur emphasized the role of extension experts at KVKs in policy planning and programme implementation at district level. KVKs presented findings of their work and proposed action plan. Dr. SRK Singh and scientists from ATARI and DES, IGKV, Raipur coordinated the programme.



### Review Workshop of NICRA KVKs at KVK Dewas

Review Workshop on 'Technology Demonstration Component' of NICRA KVKs under ICAR-ATARI, Zone-VII was organized at KVK Dewas, M.P. during 12-13 May, 2016 under the chairmanship of Dr. Anupam Mishra, Director, ICAR-ATARI, Zone-VII, Jabalpur. Dr. S.K. Srivastava, Director, Extension Services, RVSKVV, Gwalior, Dr. SRK Singh, Senior Scientist & Nodal Officer (NICRA), Dr. Bhadauria, Joint Director, Extension, RVSKVV, Gwalior were also present on the occasion.

Dr. Anupam Mishra stressed the importance of quantifying the impacts of rainfall during the cropping season and stressed the need to focus interventions as well as the data collection. Dr. Srivastava spoke about the need for assessing the technologies for variable rainfall situations and narrated how the performance of soybean crop was influenced by variable rainfall

in the last few years in Madhya Pradesh. Dr. Singh stressed the need for focusing the interventions in relation to climate and also the quantification of impacts of various interventions. Dr. JVNS Prasad, Co-PI, TDC-NICRA (CRIDA), Hyderabad spoke about expectations from the workshop and the need for up-scaling of the interventions in the selected village for larger impact.



## Review Meeting on Promising Fishery Technology

Review Meeting on Promising Fishery Technology was organized by ATARI (ICAR), Zone-7, Jabalpur at Kolkata Centre, Central Institute of Fisheries Education (CIFE), Deemed University (ICAR), Mumbai on June 9-10, 2016. The fishery scientists and experts from KVKs of M.P., C.G. and Odisha have attended the meeting. Dr. R. Suresh, Senior Consultant (Fishery), NFDB, Hyderabad in his inaugural address the KVKs for task to double the fishery production in next five years and need a vision plan to increase public as well as private investment to double the fisheries production. Dr. Anupam Mishra, Director, ATARI, Jabalpur suggested to fisheries experts to prepare District fisheries profile which include data on all fisheries stakeholders and fisheries related activities. Dr. S.R.K. Singh, Principal Scientist of ATARI, Zone-

7 suggested the Fisheries SMS/PA to identify the promising fisheries technologies for capacity building of farmers. Dr. B. K. Mohapatra was confident that this review meeting at CIFE Kolkata Centre will provide fruitful outcomes for the development of fisheries in the states of Madhya Pradesh, Chhattisgarh and Odisha.



## Technology Demonstration Component under NICRA KVKs

NICRA is operational in 17 KVKs of Zone VII.

- Under Natural resources Management Module, a total of 1280 farmers benefited and covering area of the 826.61 ha area in all activities. Though total 413 demonstrations were conducted on 363 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 1010 farmers benefited and covered 392.3 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 1545 farmers benefited through covering 522 animals and birds focusing the preventive vaccination, de-worming of animals and animal health camp and 150.2 ha area were covered.
- Under Institutional interventions, in custom hiring through various implements - Rotavator, multi crop thresher and seed drill, etc. 1075 farmers were benefitted and it covered 667.75 ha area.
- Under Capacity Building, total 51 training courses were organized benefiting 1464 participating farmers.
- As Extension Activity, a total of 171 activities were organized benefiting 2058 farmers.



Climate awareness training



Ring well construction



Bund formation

## Cluster Frontline Demonstration on Oilseeds

Department of Agriculture, Corporation and farmers welfare, ministry of agriculture and farmers welfare, has approved 13125 demonstrations in

5250ha area through 84 no of KVKs in soyabean, groundnut, rapeseed & mustard, sesame, sunflower and niger crops. During kharif 2016 total 2015ha

area through 5038 no of demonstrations out of which 420 ha area in Groundnut, 405 ha in sesame, 275 in niger and 915 in soybean by 52 KVKs. The major technologies intervention taken are seed treatment, soil test based fertilizer application, GPS based monitoring of demonstration, improved variety, improved method of sowing such as ridge and furrow, line sowing, raised bed plantation, FIRB etc., micronutrient application, the ICAR-ATARI Jabalpur has given the overall responsibility of coordination of demonstration being conducted in the country.



KVK Ratlam : Soyabean

### Cluster Frontline Demonstrations of Pulses under NFSM

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 to demonstrate the frontier technologies of major pulses. During Kharif 2016, 5552 demonstration are being conducted in area of 2084.8 ha. 1797 demonstrations in blackgram, 1023 demonstrations in green gram, 150 demonstration in horsegram and 2582 demonstrations in pigeonpea are being conducted in 70 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 1.2 million farmers were covered through mobile advisories by 100 KVKs through 1012 messages comprising the subjects of crop, livestock,

marketing, awareness etc. in the Zone VII during the quarter. All KVKs under this directorate are now using farmer portal for sending the messages.

No. of farmers Covered	No. of Messages (Text)	Type of messages					
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise
1240507	1042	568	94	92	22	152	114

### ICAR- Agricultural Technology Application Research Institute, Zone VII, Jabalpur

Zonal Project Directorate was upgraded to Institute and renamed as Agricultural Technology Application Research Institute (ATARI) upon approval of Twelfth Plan in July 2015.

Zonal Project Directorate, Zone VII was upgraded in March 2009 which was earlier known as Zonal Coordinating Unit. It was established on 11th September, 1979 under Cess Fund in the campus of Jawaharlal Nehru KrishiVishwaVidyalaya at Jabalpur, Madhya Pradesh to monitor the activities of 100 KVKs comprises of three states namely Madhya Pradesh, Chhattisgarh and Odisha.

KVKs under ATARI, Jabalpur

State	No. of District	Details of KVKs			Total
		SAU	ICAR	NGO	
Chhattisgarh	27	20	-	-	20
Madhya Pradesh	50	39	1	7	47
Odisha	30	31	2	-	33
Total	107	90	3	7	100

## DIRECTORS DESK

Dear Colleagues,

KVKs under this Institute are working hard to facilitate the farmers with latest knowledge and cutting-edge agro-technologies, providing need-based vocational training to rural youth, farmers and farm women engaged in agriculture and allied activities in three states of Madhya Pradesh, Chhattisgarh and Odisha. In fact, KVKs are guiding farmers in proper decision making and technological application through group approach in convergence with the available developmental agencies in systematic manner.



Sh. Radha Mohan Singh, Hon'ble Union Minister of Agriculture and Farmers Welfare inaugurated Exhibition of Agricultural technologies organised by eight KVKs of Madhya Pradesh at Rewa on 3 June 2016. Awareness campaign on Pradhan Mantri Fasal Bima Yojna was organised in 90 KVKs with participation of 53095 farmers. The Hon'ble Union Ministers Shri Vishnu Deo Sai, and Sh. Jai Oram, participated as chief guest at KVK Raigarh, Chhattisgarh and KKV Sundergarh, Odisha respectively. The programme was also attended by 8 Hon'ble State Government Ministers, 55 Hon'ble Member of Parliaments and 70 MLAs. Ten KVKs from Odisha participated in farmers fair at NRRI, Cuttack on 9 May 2016 which was inaugurated by Shri Radha Mohan Singh, Union Minister for Agriculture and Farmers Welfare and Shri Dharmendra Pradhan, Minister of State (with Independent charge) for Petroleum and Natural Gas, Shri Bhartruhari Mahtab, Member of Parliament (Lok Sabha), Cuttack, Dr. Trilochan Mohapatra, Secretary, DARE and Director General, ICAR and other dignitaries. Six Training-cum-Review Workshop for scientists of KVKs has been organised for action plan finalisation annual report presentation at ICAR institutes. Annual Action Plan Workshops has been conducted at four Universities for finalising KVK activities for the year 2016-17.

Various programmes like National Initiative on Fodder Technology Demonstration, Tribal Sub Plan, and National Innovations on Climate Resilient Agriculture are running in selected KVKs of this Institute. TSP is operational in 24 KVKs located in tribal region of Madhya Pradesh and Chhattisgarh. Various climate resilient activities under the modules of Natural resources, Crop production, Livestock and Fisheries, Institutional Interventions, Capacity building and Extension activities are being carried out in 17 KVKs. Cluster Frontline Demonstration on pulses and Oilseeds are being conducted by KVKs. The major technological intervention includes seed treatment, improved varieties, soil test based fertilizer application, pre emergence of application of herbicides etc.

Isincerely thank the editorial team for their efforts in bringing out this issue of Newsletter. My word of appreciation for Senior Scientist and Head and staff of KVKs in Zone VII for their tremendous efforts and initiatives taken for better performance and serving farming community efficiently through mandated activities of KVKs.

(Anupam Mishra)

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