



# Zonal Agri-News

(Quarterly Newsletter from ICAR-ATARI, Jabalpur)

Vol.9. No. 4

January - March, 2018

## 10<sup>th</sup> National Conference of KVKs at ICAR-IARI, New Delhi

Two-days 10<sup>th</sup> National Conference of Krishi Vigyan Kendras-2018 held during March 16-17, 2018 at ICAR-IARI, New Delhi. The theme of the conference was "Technology for Doubling farmers' income". Dr. Trilochan Mohapatra, Secretary (DARE) & Director General (ICAR), in his opening remarks appreciated the work done by KVKs of the country. However, he urged the Head of KVKs to redefine their role for doubling the income of farmers. He further said that there is ample scope for doubling farmers' income and need to shift from production to market-led system for higher return. Intensified diversification, processing, value addition, marketing and forming farmers producers' organisations (FPOs) will help in enhancing the profitability of the farmers. Although, there is great challenge in formation and managing FPOs but it is possible as there are some success stories reported in the country.

Shri Chhabilendra Roul, Special Secretary (DARE) and Secretary, ICAR lauded the efforts of KVKs for

increasing the pulse production in last two years and making the country almost self-sufficient in it. He said there is challenge to make farmer an entrepreneur for increasing his income. Most of the farmers are small and marginal and are vulnerable and cannot take risk as he is resource poor, he added. Shri Roul said FPOs can reduce the input cost, give farmers more stake in marketing and value chain.

In his introductory remark, Dr A.K. Singh, DDG (Agril Ext), ICAR said that integration of National Conference of KVKs and Krishi Unnati Mela deployed amicably. He said various village models are being developed for improving farmer's income. More than 900 delegates across the country from 680 KVKs, SAU, ICAR Institutes participated in the National Conference. At the outset of the conference, Dr V.P. Chahal ADG (Agril Ext) welcomed the dignitaries and the delegates and Dr Randhir Singh, ADG (Agril Ext) proposed formal vote of thanks.



## Zonal Workshop cum Training of Cluster Frontline Demonstrations in Oilseeds and Pulses

Three days Zonal Workshop on Cluster Frontline Demonstration (CFLD) was organized by ICAR-ATARI, Zone IX, Jabalpur at KVK, Jhabua during January 18-20, 2018. The programme was inaugurated by Dr. V.P. Chahal, ADG (Ag. Extension), ICAR, New Delhi as chief guest. During his inaugural address he pointed out the expectation of the ICAR in the appropriate technology interventions for enhancing the productivity of Oilseeds and Pulses. Dr. Chahal appreciated the industrious efforts done by KVK in this direction. Dr. Anupam Mishra, Director, ATARI, Jabalpur chaired the programme. He urged upon KVKs to support the farmers through best technology found for Oilseeds and Pulses crop in their situation. This will enhance the capacity of the farmers in technology uptake. Dr. Mishra further stressed that KVKs should give proper attention in doubling farmer's income through better integration of Oilseeds and Pulses technology.

During valedictory speech, chief guest Dr. S.K. Rao, Vice-Chancellor, RVSKVV, Gwalior emphasized the role of KVKs in faster development of agriculture in the country. KVK scientists are working in close association of the farmers and providing the technological supports for upscaling the productivity of the crops and enterprises.

Dr. A.K. Tiwari, Director of Pulses Development, Bhopal pointed out the status of pulses and Oilseeds in Madhya Pradesh and Chhattisgarh state and future strategies for out scaling the suitable technologies.

On the occasion, Dr R.N.S. Banafar, Director Extension Services, RVSKVV, Gwalior, Dr. M.P. Thakur, Director Extension Services IGKV, Raipur also addressed the participants. Dr. U.P.S. Bhaduria, Joint Director Extension has supported in the review of KVKs attentively. Dr. S.R.K. Singh coordinated the programme.



Dr. V.P. Chahal, ADG (Ag. Extension), ICAR, New Delhi as Chief Guest



Dr. Anupam Mishra, Director, ICAR-ATARI, Jabalpur



Dr. S.K. Rao, Vice-Chancellor, RVSKVV, Gwalior



Delegates of the workshop

## National Seminar on Farmers' Right and Agro-biodiversity Exhibition

Protection of Plant Varieties & Farmers' Rights Authority and ICAR-ATARI, Jabalpur organized a two days "National Seminar on Protection of Plant Varieties & Farmers' Right" during 26-27 February 2018 by KVK Satna at Deendayal Research Institute, Chirakoot. The major focus area for deliberations during the Seminar include Protection and Conservation of Plant Varieties & Farmers' Rights. Shri Atul Jain, General Secretary, DRI welcomed the Chief Guest of briefed about the rationale of the programme at Chitrakoot.

The programme was inaugurated by Dr. Trilochan Mohapatra, Hon'ble Secretary, DARE & Director General, ICAR, New Delhi as chief guest. During inaugural address he appreciated the efforts of farmers in conservation biodiversity and stated that highest number of varieties registered under

PPV&FRA are for Madhya Pradesh and Chhattisgarh. Shri Ganesh Singh, Hon'ble Member of Parliament, Dr. K. V. Prabhu, Chairperson, PPV&FRA, New Delhi, Dr. R. C. Agrawal, Registrar Genral PPV&FRA, New Delhi, Dr. Anupam Mishra, Director ATARI Jabalpur, Shri Virendrajit Singh, Chairman, DRI, Dr. Naresh Chandra Gautam, Hon'ble Vice Chancellor MGCGV, Chitrakoot, Dr. S.P. Shukla, Dean, College of Veterinary Science, Jabalpur were also present on this occasion.

Hon'ble Chief Guest Dr. Trilochan Mohapatra also inaugurated the exhibition of KVKs laid out on this occasion. In the exhibition, KVKs of Madhya Pradesh, Chhattisgarh, Odisha, Telangana, and Jharkhand participated. Eleven progressive farmers including two women of Satna district were awarded by KVK Satna on the occasion.



Dr. Trilochan Mohapatra, Hon'ble Secretary DARE & DG, ICAR delivering inaugural speech



Secretary DARE & DG, ICAR visiting the Exhibition stalls



Mr. Mansukh Kushwaha receiving Rashtra Rishi Nanaji Deshmukh Award -2017 Hon'ble MP Satna & Hon'ble DG ICAR & Secretary DARE



Awardee Farmers with Chief Guest and Dignitaries

## Workshop-cum Training on Technology Adoption Matrix for under ATARI Jabalpur KVKs

ICAR-ATARI, Jabalpur has taken a new initiative to document the large scale technology adoption by the farmers through the KVKs as well as convergence process with other departments working in the area. Workshop-cum Training on Technology Adoption Matrix for Chhattisgarh KVKs was held at ATARI, Jabalpur. The workshops were inaugurated by Dr. Anupam Mishra who had appealed all KVKs to make process documentation of their technology application along with its performance and impact. Dr. S.R.K. Singh welcome all the participants and urged KVK Scientist to have a detail pen picture of

their technological intervention and its ability to solve the farmers problem along with its quantification. In this workshop all KVKs from Zone-IX were invited to present their technology disseminated at large scale in their operational area. All KVKs were divided into various groups on the basis of the thematic area under which technological intervention were carried out. The programme was completed with group wise presentation and thorough discussion on the concerned technology in the supplied framework for the same. The programme was coordinated by Dr. S.R.K. Singh.

State wise Workshop- cum Training organized

S. No.	State	SAU/VU	Date
1.	Chhattisgarh	IGKV, Raipur, CGKV, Durg	February 8-9, 2018
2.	Madhya Pradesh	JNKVV, Jabalpur	February 19-20, 2018
3.		RVSKVV, Gwalior	February 27-28, 2018



## Interface on Digital Works with TCS for KVK Computer Programmers at ATARI, Jabalpur

Interface on Digital Works at KVKs for computer programmer was organized at ICAR-ATARI Zone IX, Jabalpur on February 16, 2018. Sh Aditya Tiwari, along with experts from TCS briefed the participants about the TCS collaboration with ICAR and initiatives taken by TCS in technology dissemination to famers with the help of technologies of mobile telephony. During

integration with the participants Dr. Anupam Mishra, Director ATARI, Jabalpur urged participants to cover all the villages in the district through Kisan Mobile advisory. The workshop was attended by about 60 computer assistant/ nodal officer IT from the KVKs from Madhya Pradesh and Chhattisgarh under ICAR-ATARI, Jabalpur.



## Annual Review Workshop of Farmer FIRST Programme

This Review workshop was conducted by Division of Agricultural Extension, ICAR, New Delhi during February 21-22, 2018 at ICAR-IARI, New Delhi under the chairmanship of Hon'ble Secretary DARE and DG, ICAR in presence of Dr. A.K. Singh, DDG(AE) and I/c Director, IARI, New Delhi. The programme was coordinated by Dr. V.P. Chahal, ADG (AE) in presence of PMC members of Farmer FIRST Project. In this

workshop seven projects operational under ATARI, Jabalpur participated and presented their progress. It was suggested by the house that each project should make visible impact in their area so that farmers income could be doubled over the period of time. Dr. S.R.K. Singh participated in this workshop as nodal officer of Farmer FIRST Programme implemented by ATARI, Jabalpur.

## Agri-Industry Meet organised at KVK Mandsaur by ICAR-ATARI, Jabalpur

Agri-Industry Meet organized on 05 March 2018 in joint venture of Krishi Vigyan Kendra, Mandsaur and ICAR-ATARI, Jabalpur. Dr. Trilochan Mohapatra, Hon'ble Secretary, DARE & Director General, ICAR, New Delhi as chief guest. Dr. A.K. Singh, DDG (AE) and Director, IARI, New Delhi and Dr. S.K. Rao, Vice Chancellor, RVSKVV, Gwalior, Dr. Anupam Mishra, Director, ICAR-ATARI, Zone-IX, Jabalpur and Dr. A.K. Singh, Head of the Department, Genetics Division, IARI, New Delhi were present as special guests. Priority to the program, the quality and production technology of the scientists was discussed. At the beginning of the program, Dr. Anupam Mishra introduced the introduction of exporters of spices and medicinal crops and agricultural entrepreneurs associated with fruit and vegetable preservation and export to the guests. Dr. T. Trilochan Mahapatra, Hon'ble

Secretary, DARE & Director General, ICAR, New Delhi said that the farmers in the region have high level of entrepreneurship. Farmers of Mandsaur are moving forward from production to processing. They started growing soybean, spices, medicinal crops besides grains. The main thing about the farmer here is that he is moving from vegetable crops to gardening, medicinal and problem crops. Dr. A.K. Singh, DDG (AE), New Delhi said that the farmers of the district got the benefit of the achievements of Krishi Vigyan Kendra, Horticulture College, Mandsaur. Madhya Pradesh is contributing greatly to the development of the country, but it needed processing of agricultural produce today. The processing industry is growing very fast by which farmers are getting great benefit. Dr G.S. Kulmi, Senior Scientist and head, KVK Mandsaur proposed formal vote of thanks.



## Technology Demonstration Component under NICRA by KVKs

### NICRA is operational in 12 KVKs of Zone IX.

- Under Natural Resources Management Module, a total of 553 farmers benefited covering area of the 260.6 ha area in all activities were conducted focusing on in-situ moisture conservation, Soil test based nutrient application and Pitcher irrigation, Vermi-compost making etc.
- Under Crop Production module, a total of 1048 farmers benefited and covered 335.2 ha area focused on drought tolerant varieties, Short duration varieties, Crop diversification, Integrated crop management etc. on Wheat, Mustard, Barley and vegetable crops.
- Under Livestock and fisheries module, a total of 250 farmers benefited through covering 924 animals and birds focusing the preventive vaccination, de-worming of animals and animal health camp and 71.2 ha area were covered.
- Under Institutional interventions, in custom hiring through various implements - Rotavator, multi crop thresher and seed drill, etc. 405 farmers were benefitted and it covered 104.4 ha. area.
- Under Capacity Building, total 40 training courses were organized benefiting 1110 participating farmers.
- As Extension Activity, a total of 179 activities were organized benefiting 3029 farmers.



## Cluster Demonstrations of Rabi oilseeds 2017-18 under NMOOP

During Rabi 2017-18, demonstration on oilseed crops have been conducted in 1761 ha area and 3955 demonstration on farmers. Demonstration conducted in 51 KVKs under ATARI Jabalpur in rabi season. The major oilseed crops which are covered under rabi season are Mustard, Linseed and Sesame. In Chhattisgarh, under Mustard crop, 470 ha area covered with 930 demonstration; in Linseed 254 ha area 578 demonstrated; Sesame 30 ha area covered with 75 demonstration and in Groundnut 7 ha area covered with 10 demonstration. Estimated yield by KVKs of Chhattisgarh under demonstration in

mustard-9 q/ha, linseed-8 q/ha, sesame-2.5 q/ha and groundnut -14 q/ha. In Madhya Pradesh, 630 ha area with 1482 demonstration covered under Mustard, where as 370 ha area with 880 demonstration covered by Linseed crop. Estimated yield obtained by available KVKs of Madhya Pradesh under demonstration for as Mustard-18 q/ha, Linseed-11.5 q/ha. All the demonstrations done based on GPS based farmer selection, improved variety, soil test based fertilizer application, seed treatment, Improved method of sowing, IWM, IPM, IDM etc.



## Cluster Demonstrations of Summer Pulses 2017-18 under NFSM

During summer 2017-18, demonstrations have been conducted in area of 502.20 ha through 1184 demonstrations. Out of these coverage area, in Black gram is 74.40 ha through 172 demonstrations, Green gram is 427.80 ha through 1012 demonstrations. The demonstration are being implemented through 20

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, etc.



## KMA Activities

Around two million farmers were covered through mobile advisories by 58 KVKs through 818 messages comprising the subjects of crop, livestock, marketing, awareness etc. in the Zone IX during the

quarter January to March, 2018. All KVKs under this institute are now using farmer portal for sending the messages.

State	No. of Calls	No. of village covered	No. of farmers Covered	No. of Messages (Text)	Type of messages					
					Crop	Livestock	Weather	Marketing	Awareness	Other enterprise
Madhya Pradesh	9819	104876	1459313	583	252	63	45	48	117	58
Chhattisgarh	491	11995	848188	235	133	24	4	2	51	21
<b>Total</b>	<b>10310</b>	<b>116871</b>	<b>2307501</b>	<b>818</b>	<b>385</b>	<b>87</b>	<b>49</b>	<b>50</b>	<b>168</b>	<b>79</b>

## Progress of Nutri-SMART Village

Madhya Pradesh has total of 51 district and 313 blocks. Quarter a wise work plan for the selected village has been prepared on the basis of cropping pattern and nutritional requirement of the respective village:

- Nutri-SMART village having planned for secured food availability, meeting nutrient requirement

of all households of different age and physical condition for making them nutrition sufficient and healthy citizen.

- This is a scientific approach based on the concept "You grow what you eat".
- NSV is a crop plan-led nutritional security concept so that the nutritional gap could be reduced by



- minor adjustment in the dietary plan.
- It advocates the traditional recipe based "Poshan Thali" which will not only remove the deficiency rather will address the social health from chronic diseases.
- NSV is the unique architect for nutrition-sensitive

agriculture which could be practiced in Kitchen garden, roof garden for nutrition supplementation. It nutshell, NSV could be considered a "minilab" for showcasing precise nutritional security through using available resources by proper motivation, nutritional literacy & attitudinal change

## Directors Desk

**Dear Colleagues,**

The ICAR-Agricultural Technology Application Research Institute (ATARI), Jabalpur is entrusted responsibility of coordination and monitoring of technology application and frontline extension programs through Krishi Vigyan Kendras (KVKs) in Madhya Pradesh and Chhattisgarh.

Tenth National Conference of Krishi Vigyan Kendras-2018 held during March 16-17, 2018 at ICAR-IARI, New Delhi focusing on "Technology for Doubling farmers' income". Dr. Trilochan Mohapatra, Secretary (DARE) & Director General (ICAR), said for doubling farmers' income and need to shift from production to market-led system for higher returns. Intensified diversification, processing, value addition, marketing and forming farmers producers' organisations (FPOs) will help in enhancing the profitability of the farmers. Shri Chhabilendra Roul, Special Secretary (DARE) and Secretary, ICAR and Dr A.K. Singh, DDG (Agril Ext), ICAR expressed their views. More than 900 delegates across the country from 680 KVKs, SAU, and ICAR Institutes participated in the National Conference.




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Various programmes like National Initiative on Fodder Technology Demonstration, Tribal Sub Plan, and National Initiative on Climate Resilient Agriculture, Cluster frontline demonstrations on oilseeds and pulses are running in selected KVKs. TSP is operational in 14 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 12 KVKs.

I sincerely thank the editorial team for their efforts in bringing out this issue of Newsletter. My word of appreciation for Programme Coordinators and staff of KVKs in Zone IX 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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