



Zonal Agri-News

(A Newsletter from Zone IX)

Vol.10. No.2

July - September, 2018

25th Zonal Workshop of KVKs at ICAR-ATARI, Jabalpur

25th Zonal Workshop of KVKs Zone IX comprising of Madhya Pradesh and Chhattisgarh was organized at Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madhya Pradesh on September 5-7, 2018. Chief Guest of the programme Shri Faggan Singh Kulaste, Hon'ble Member of Parliament and Former Minister of State, Health and Family Welfare, Government of India inaugurated the workshop of KVKs. He appreciated the works done by KVKs for speedy progress of agriculture in the state along with tribal region too. He emphasised that farmers income could be doubled by proper production plan coupled with marketing strategy also there is need to reduce the cost of cultivation, so that farmers income could be enhanced. There is need to make farmers more aware and knowledgeable on the newly developed technology along with proper skill for its better application.

On this occasion Shri Susheel Kumar Tiwari, MLA, Panager Constituency, addressed the participants and pointed out that there is need to improve the resource use efficiency particularly water, so that farmers can protect their crops during the drought period and take the crop successfully during succeeding season. Marketing and weather information should be timely supplied to the farmers for realizing proper price of the produce. Dr. D. K. Marothia, Member of Planning Commission, Chhattisgarh also emphasised that farmers should be trained to adopt the technology suitable for farms according to their resource base, so that they can get sufficient income. Dr. V. P. Chahal, ADG, ICAR- New Delhi, admired the kind of works and performance being showed by the KVKs under ATARI Jabalpur. He further informed about the new initiatives of ICAR in the form of NARI, VATICA, KSHAMTA etc. for empowerment of women and tribal farmers. Dr. S. K. Patil, VC, IGKV, Raipur has urged the farmers to practice integrated farming and

inter-cropping with proper technological blending, so that risk could be minimized and income could be ensured. Dr. P. D. Juyal, VC, NDVSU, Jabalpur point out that animal component is the integral part of profitable agriculture. Shri Abhay Mahajan, Organizing Secretary, DRI, New Delhi addressed the delegates.

Dr. Anupam Mishra, Director ICAR-ATARI, Jabalpur addressed to the participants and enumerated significant achievement of the Zone IX, KVKs on the basis of which KVKs received best national KVK award from ICAR and other agencies. He further informed that KVKs are focussing mainly on doubling farm income, nutrition sensitive agriculture through nutri-SMART villages, climate resilient technologies, marketing through SHGs and FPOs.

During validictory session Chief Guest Dr. A.K. Singh, DDG, ICAR- New Delhi in his address appreciated the kind of preparedness and showcasing of KVKs in technical session and exhibition shows high level of commitment. He further admired the kind of innovation presented by farm innovators is unparalleled. He further pointed out that Zone IX taking lots of initiatives for improving the agriculture condition even in rainfed areas.

Professor P.K. Bisen, VC, JNKVV, Jabalpur during his address pointed out that KVK is an unique arrangement of ICAR at district level and is the important vehicle for speedy growth of agriculture in the region by providing proper technological support to the farmers.

On the occasion 6 mobile Apps – by KVK Gariyaband, Dindori, Damoh, Ujjain, Jabalpur and ATARI were launched and publication Farm Innovators by ATARI Jabalpur and Dairy Development by NDVSU Jabalpur was released.

Exhibition was also laid out by KVKs during three days workshop.



Training Programme on Android Application Development at IIITDM, Jabalpur

ICAR-ATARI, Jabalpur organized training programme for Programme Assistant (Computer) at KVKS in collaboration with Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Jabalpur during July 9-13, 2018. The training programme focused on use of Android Studio, Android Manifest, Best Practices and Implementations in app development. Mr Taha M. Asadullah, Chief Technology Officer, Geelani Consultancy and Solutions and Mr Allahbaksh Asadullah from TCS were the invited guest faculty who provided training in app development to the participants. Dr Atul Gupta, Associate Professor, Computer Sc & Engineering, IIITDM, Jabalpur and Dr A. A. Raut, Scientist, ICAR-ATARI, Jabalpur were the coordinators for the training programme. A total of 51 participants participated in the programme and

training session were comprised of theory with live demos and hands on lab session.

During the valedictory function on July 13, 2018 Dr Aparajita Ojha Professor & Head Computer Science & Engineering, interacted with the participants in about Integration ICT Application in Mobile telephony through app. Dr Anupam Mishra Director ICAR-ATARI, Jabalpur in his address to the participants urged the participants to enhance their outreach to all the villages in the district. He emphasized that in addition to Kisan Mobile Advisory through SMS, mobile apps can also be innovative tool to enhance their outreach in technology dissemination. The participants shared their views with the dignitaries regarding the training programme.

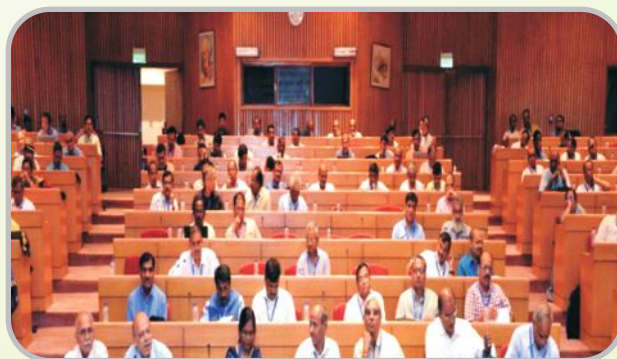




Annual Review Workshop of NICRA at NASC, New Delhi

A two day Annual Review workshop of National Innovations in Climate Resilient Agriculture (NICRA) was inaugurated by Dr T. Mohapatra, Secretary (DARE) and DG, ICAR at NASC, New Delhi on August 7-8, 2018. Shri Chhabilendra Roul, Special Secretary (DARE) & Secretary (ICAR), Shri B Pradhan, FA & Additional Secretary (DARE & ICAR), Dr. K Alagusundaram, DDG (Agril. Engg. & NRM I/c), Dr AK Singh, DDG (Agril. Extn.), Dr Anand Kumar Singh, DDG (Hort. Science & Crop Sciences I/c), Dr. Joykrushna Jena, DDG (Fisheries), Dr. S Bhaskar, ADG (AAF & CC), Dr. SK Chaudhari, ADG (SWM), Dr. K Sammi Reddy, Director (Act), ICAR-CRIDA, Hyderabad and NICRA Expert Committee Members participated in this workshop. Dr. K. Sammi Reddy, Director (Acting), ICAR-CRIDA presented the highlights of achievements of NICRA Project during the last two years (2016-17 to 2017-18). Dr. Mohapatra in his inaugural address suggested to make the 151 Climate Resilient Villages (CRVs) to CRV Cluster Villages and the

need to actively involve State Governments for successful upscaling of CRVs. Experiences of NICRA should be shared with international institutes and organizations like ICARDA, FAO to replicate NICRA Climate Resilient Village models in other countries particularly Africa. To attain the set target of 30-33 per cent reduction in greenhouse gas emissions in the country. NICRA should develop package of site specific Climate Resilient Technologies for implementation by Departments like DAC, DADF and State Governments. There were eight Technical sessions under different themes. Each session was chaired by concerned DDGs and co-chaired by NICRA Expert Committee members and concerned ADGs from ICAR, New Delhi. A detailed session-wise recommendations was presented by Dr M Prabhakar, PI, NICRA, CRIDA, Hyderabad in the plenary session. About 200 Scientists, PIs, Co-PIs from ICAR institutes, KVKs, SAUs, NGOs, IIT etc., participated in the meeting.



Hon'ble Shri Ramnath Kovind, President of India and Hon'ble Dr. Raman Singh, Chief Minister, Chhattisgarh Visited KVK Dantewada, C.G.

Hon'ble Shri Ramnath Kovind, President of India and Hon'ble Dr. Raman Singh, Chief Minister, Chhattisgarh visited Mata Fulsundari organic farm on dated 25 July 2018 established by KVK Dantewada (C.G.) through convergence with District Mineral Fund. Hon'ble President and Chief Minister interact with women's SHGs doing kadaknath poultry farming, Dairy

Farming, Goatry Farming, Mini Rice Mill, Mushroom Production etc. In this Farm total 8 kadaknath poultry farm ,1 Dairy, 1 Goatry, 2 Mini Rice mill, 1 Mushroom Unit, 1 Duck cum Fish Farming unit and 15 acre mixed fruit plantation established by KVK Dantewada (C.G.) through DMF Fund.



Interaction with members of Kadaknath farming Woman SHG's at Kadaknath poultry Farm



Interaction with Woman SHG's of Kadaknath farming, Mini Rice Mil, Mushroom e-Rickshaw and phoolsundari group



Presentation of organic rice by KVK farmer Sh. Ludaru Ram Nag and Processed products of Minor Millet, Honey, Herbal Gulal, Mushroom and organic rice of KVK Dantewada by Smt. Nirmala Kashayap



Visit of Jaivik stall and interaction with KVK farmer Sh. Jailal Yadaw, Ramprasad Veko and Scientist of KVK

Hon'ble Governor of M.P. Visited KVK Bankhedhi, Hoshangabad

On 12 August 2018, the Hon'ble Governor of M.P. Smt. Anandiben Patel alongwith special guests Hon'ble Rekha Chudasama, All India Girl's Education Head, Vidhya Bharati, Shri Vivek Shenday, Regional Secretary, Madhya kshetra Vidya Bharati, Dr. Anupam Mishra, Director, ICAR-ATARI, Zone-IX Jabalpur, Shri Rao Uday Pratap Singh, Member of Parliament and

Shri Thakurdas Nagvanshi, MLA laid the foundation stone of the administrative building of the Krishi Vigyan Kendra Bankhedhi, Hoshangabad. On this occasion, they released the First Quarterly Magazine entitled "Krishi Sandesh" of KVK. Smt. Priyanka Das, Collector, Hoshangabad, many farmers, farm women's and news reporters were also present on this occasion.



Plantation at KVK Mungeli Farm by Hon'ble Minister, Govt. of Chhattisgarh

Shri Punnulal Mohile, Hon'ble Minister of Food and Civil Supply, Consumer Protection, Planning, Govt. of Chhattisgarh visited KVK Farm on dated 13.07.2018 for the programme organized under the mass plantation of fruit plants. During the visit Shri D. Singh, District Collector, Mungeli, Shri Lokesh Chandrakar CEO Jila Panchayat, Shri Jadhav Srikrishna, District Forest Officer, Mungeli, Dr. A. K. Sahu, Dean, BRSMCOAE & T, Mungeli, Shri Sumit Agrawal, SDM Mungeli. Scientists from KVK Mungeli and BRSM College of Agriculture Engineering &

Technology & Officials from Agriculture and allied Departments were also present.

Hon'ble Minister appreciated the work and efforts of KVK Mungeli for initiative taken for enhancing farmer's income by utilization of barren land for plantation of fruit crops. During the program 800 fruit plants of custard apple, guava, mango, aonla, jack fruit etc were planted with the help of about 53 farmers of Balodi Gram Panchayat, who actively participated in the program.



Plantation of Fruit plants at KVK Mungeli, Farm by Shri Punnulal Mohile, Hon'ble Minister of Food and Civil Supply, Consumer Protection, Planning, Govt. of Chhattisgarh

Hindi Pakhawada at ICAR-ATARI, Jabalpur

The programme was organized at ICAR-ATARI, Jabalpur on September 14-20, 2018. The programme was chaired by Dr. S.R.K. Singh. Various activities like Essay writing, Hindi general knowledge, debates etc. were organised during the occasion. Scientists, Administrative and technical staff of the institute participated actively in the events. Toppers among the participants were felicitated with prizes.



Swachhta Hi Sewa Programme at ICAR-ATARI, Jabalpur

This programme was organized by ICAR-ATARI, Jabalpur during September 15, 2018 to October 2, 2018 as per guideline of the ICAR. The

activities enhancing with photographs were upload on KVK portal as well as institute website.



Technology Demonstration Component under NICRA by KVKs

NICRA is operational in 12 KVKs of Zone IX.

- ▶ Under Natural Resources Management Module, a total of 610 farmers benefited covering area of the 288.05 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 815 farmers benefited and covered 343.74 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 533 farmers benefited through covering 965 animals and birds focusing the preventive vaccination, de-worming of animals and animal health camp and 30.2 ha area were covered.
- ▶ Under Institutional interventions, in custom hiring through various implements - Rotavator, multi crop thresher and seed drill, etc. 166 farmers were benefitted and it covered 82.4 ha. area.
- ▶ Under Capacity Building, total 46 training courses were organized benefiting 1371 participating farmers.
- ▶ As Extension Activity, a total of 78 activities were organized benefiting 1613 farmers.



Cluster Demonstrations of Kharif Oilseeds 2018-19 under NFSM

Under CFLD in oilseeds during Kharif season 2018-19 in Madhya Pradesh state, soybean crop demonstrated in 851.4 ha area with 2122 demonstrations by using line sowing, ridge & furrow and ICM technologies. Similarly groundnut and sesame crop demonstrated in 20 ha area with 50 demonstrations and 100 ha area with 229 demonstrations respectively by using improved variety with seed treatment and line sowing. In niger, total 110 ha area conducted with 277 demonstrations using technology of PSB culture and IWM.

In Chhattisgarh state, soybean crop demonstrated in 180 ha area with 317 demonstrations by using major technology ridge & furrow, Broad bed with improved variety. Similarly in groundnut 170 ha area with 362 demonstrations laid out using line sowing, seed treatment and IWM technology. In niger 210 ha area conducted with 485 demonstration using line sowing and IPM and in sesame 70 ha area with 140 demonstration conducted using line sowing with improved variety.



Cluster Frontline Demonstrations on Pulses 2018-19 under NFSM

During 2018-19 in kharif season, 4685 demonstrations conducted in 1920 ha area under CFLD Pulses in the operational states of Chhattisgarh and Madhya Pradesh. The demonstration has implemented through 55 KVKs in four pulses crops namely black gram, green gram, horse gram and pigeon pea. 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.

In Madhya Pradesh under black gram 420 ha, green gram 60 ha and pigeon pea 510 ha area has achieved whereas Chhattisgarh under black gram 420 ha, green gram 70 ha, horse gram 80 ha and pigeon pea 360 ha area has achieved during kharif 2018.



KMA Activities

More than two million farmers were covered through mobile advisories by 67 KVKs through 889 messages comprising the subjects of crop, soil, livestock,

marketing, awareness etc. in the Zone IX during July to September, 2018. All KVKs under this institute are now using farmer portal for sending their mobile advisory.

State	No. of Calls	No. of village covered	No. of farmers Covered	No. of Messages (Text)	Type of messages						
					Crop	Soil	Livestock	Weather	Marketing	Awareness	Other enterprise
M.P.	25247	44487	1735833	675	380	41	52	40	28	86	48
C.G.	214	13136	864654	213	153	14	11	1	0	27	7
Total	25461	57623	2600487	888	533	55	63	41	28	113	55

Director's 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 education programs through Krishi Vigyan Kendras (KVKs) in Madhya Pradesh and Chhattisgarh.

25th Zonal Workshop of KVKs of Zone IX was organized at JNKVV, Jabalpur, M.P. during September 5-7, 2018. Chief Guest of the programme Shri Faggan Singh Kulaste, Hon'ble Member of Parliament and Former Minister of State, Health and Family Welfare, Government of India inaugurated the workshop of KVKs. He appreciated the works done by KVKs for speedy progress of agriculture in the state along with tribal region too. He emphasised that farmers income could be doubled by proper production plan coupled with marketing strategy also there is need to reduce the cost of cultivation, so that farmers income could be enhanced. On the occasion 6 mobile Apps by KVK Gariyaband, Dindori, Damoh, Ujjain, Jabalpur, ATARI were launched and Farm Innovators by ATARI Jabalpur was released.

Training programme for PA (Computer) at KVKs was organized in collaboration with IIITDM, Jabalpur during July 9-13, 2018. Programme focused on use of android Studio, Android Manifest, Best Practices and Implementations in app development. ICAR-CRIDA organized Annual Review Workshop of NICRA was inaugurated by Dr. T. Mohapatra, Secretary (DARE) and DG, ICAR at NASC, New Delhi on August 7-8, 2018. Hon'ble Shri Ramnath Kovind, President of India and Hon'ble Dr. Raman Singh, Chief Minister, Chhattisgarh visited Mata Fulsundari organic farm on dated 25 July 2018 established by KVK Dantewada (C.G.) through convergence with District Mineral Fund. Dignitaries interacted with women's SHGs doing kadaknath poultry farming, dairy farming, goatry farming, Mini rice mill, mushroom production etc.. On 12 August 2018, the Hon'ble Governor of M.P. Smt. Anandiben Patel along with special guests laid the foundation stone of the administrative building of the KVK Bankhed, Hoshangabad. On this occasion, they released the first quarterly Magazine entitled "Krishi Sandesh" of KVK. Shri Punnulal Mohile, Hon'ble Minister of Food and Civil Supply, Consumer Protection, Planning, Govt. of Chhattisgarh visited KVK Farm on dated 13.07.2018 for the programme organized under the mass plantation of fruit plants. Ghar Ghar Mushroom an innovative technology of KVK Gariyaband, C.G. was displayed in National Mushroom Mela at Solan, Himachal Pradesh on September 10, 2018. Mushroom growers from across the states participated in this National Mela and various new techniques of Mushroom production was demonstrated of which Ghar Ghar Mushroom received the first prize. Hindi Pakhawada programme was organized at ICAR-ATARI, Jabalpur on September 14-20, 2018. The programme was chaired by Dr. S.R.K. Singh. Various activities like Essay writing, Hindi general knowledge, debates etc. were organised during the occasion. Swachhta Hi Sewa programme was organized by ICAR-ATARI, Jabalpur during September 15, 2018 to October 2, 2018.

Various flagship programmes like NICRA, CFLD Oilseeds and Pulses, ARYA, TSP, and Skill Development are running in selected KVKs of this institute. TSP is operational in 14 KVKs located in tribal region of Madhya Pradesh and Chhattisgarh. Under NICRA 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.



(Anupam Mishra)

Published By:

Director, ICAR-Agricultural Technology Application Research Institute, Zone IX, Jabalpur, (M.P.)

Editorial Board:

Dr. Anupam Mishra, Director

Dr. S. R. K. Singh, Principal Scientist (AE), Dr A. A. Raut, Scientist (AE)