



Zonal Agri-News

(A Newsletter from Zone IX)

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International Workshop on Nutrition-Sensitive Agriculture and Nutrition Literacy

International Workshop on Nutrition-Sensitive Agriculture and Nutrition Literacy was organized during May 14-16, 2018 at Bhopal jointly by ICAR-ATARI, Jabalpur and Women and Child Development Department, Govt. of Madhya Pradesh.

Shri Narendra Singh Tomar, Hon'ble Minister of Rural Development, Panchayati Raj and Mines, Government of India inaugurated the workshop in presence of Smt Archana Chitnis, Hon'ble Minister of WCD, Prof. S.K. Rao VC RVSKVV, Gwalior, Shri J.K. Kansotiya, Principal Secretary WCD Dept., Dr Anupam Mishra, Director, ICAR-ATARI Jabalpur, Ms. Sonali P. Vayagankar, MD, MVVN, Mr. Michael Juma, CEO, UNICEF, Director of Extension, Key speakers and other officials from the ICAR, Line departments and other international organizations like UNICEF, IFAD, IRRI, CMMYT, ICRISAT, etc.

During inaugural speech, Shri Tomar expressed great happiness to have such timely workshop on the nutritional issue which is very crucial not only for the Madhya Pradesh rather all other states of the country. He emphasized that initiative of the Smt. Chitnis will help in making the Madhya Pradesh state more healthy. He further assured that his ministry will extend all the help and support for successful implementation of the Nutri-Smart villages in the M.P.

Mrs. Archana Chitnis, Hon'ble Minister of Women and Child Development has applauded the technical support received by ICAR-ATARI, Jabalpur and the kind of interest shown by the Director, ATARI with full team of the KVK scientists in the implementation of the Nutri-SMART villages for enhancing the nutrition literacy and make the child more healthy and happy for making India a brighter country. She informed the house that at present there are 313 Nutri-SMART villages, one in each block of the M.P. All the development departments are involved with clear role and agenda for making the village Nutri-SMART in real sense.

Dr. Anupam Mishra, Director, ICAR-ATARI Jabalpur has enumerated the steps of the genesis of the Nutri-SMART Village through nutrition sensitive agriculture in the state. He further added that nutrition security has multi-fold effect on the health and economy of the society. It is directly linked with the poverty and education. KVKs are playing pivotal role in bringing nutritional security in the state through appropriate technological interventions.

Dr. A.K.Singh, Deputy Director General (AE), ICAR New Delhi during his valedictory speech shared about the new initiative of ICAR in the form of Nutri-Sensitive Agricultural Resources and Innovations (NARI) for making the evolving new extension methodologies and approaches for long lasting effect of the efforts in this direction. He further added that ICAR has initiated several other projects like Knowledge Systems and Homestead Agriculture Management in Tribal Areas (KSHMTA), and Value-addition and Technology Incubation Centres in Agriculture (VATICA), etc. to make the society happy, healthy and educated, so that the development efforts could be ensured.

The unique International Workshop was focused on the six thematic areas viz., Innovative practices to promote nutrition-sensitive agriculture and food security; Value chain and village trade related issues; Capacity development of women institutions/ SHGs/ FIGs/FPOs; Enabling suitable governance and policy; Nutrition Literacy; Improving Maternal and Child Nutrition.

Hon'ble Chief Guest Shri Narendra Singh Tomar also inaugurated the exhibition laid out on occasion of International workshop. In the exhibition, all KVKs' home scientist and scientist of Madhya Pradesh and Chhattisgarh participated and presented poster. During the programme 'Agriculture based Poshan Calendar' developed by ICAR-ATARI Jabalpur and Women and Child Development Department,

Madhya Pradesh was also released.

The programme was coordinated by Dr. S.R.K. Singh, Principal Scientist, ATARI and Dr. Sunil Singh, Additional Director, WCD as organizing Secretary with the full support of organizing committee and department officials. The workshop was glorified with

512 participants who presented their keynote lecture, lead papers and research papers were presented along with the poster papers in identified themes. Delegates from 23 institutions had participated in the workshop including 12 from international bodies.



Interface on Large Scale Technology Adoption

An Interface on Large Scale Technology Adoption of KVK scientists was conducted during April 11-12, 2018 at ATARI, Jabalpur. All the nodal Scientists of Madhya Pradesh and Chhattisgarh were invited to present their technology disseminated at large scale across the district in the state. The programme was inaugurated by Padma Bhushan Dr. R.S. Paroda, Former Secretary DARE & Director General, ICAR, New Delhi. He pointed out that there is need to evolve technology for good agriculture, farmer-centric technology, good knowledge of technology along with subsidy. He further added that farmer to farmer extension could be promoted. Farmers should be linked with market functionally for reaping higher benefits. KVK should be leader for technology dissemination in the district who can prepare technology agents to reduce technological gaps at the farmers system. Dr. Anupam Mishra, Director, ATARI, Jabalpur

pointed out the interface of the documentation and its practice by the KVK as well as the farmers. Dr. S.R.K. Singh welcomed the participants and brief about to purpose of the interface. All invited Scientists presented their technology in detail and through discussion was held there upon. The programme was attended by 56 participants and completed with vote of thanks by Dr. A.A. Raut.





ZPMC Meeting Under Farmer FIRST Programme

Zonal Project Monitoring Committee meeting was held on April 13, 2018 at ICAR-ATARI, Jabalpur in presence of ZPMC experts and members. At present, Farmer FIRST Project is operational at seven centres DWR, Jabalpur; IISS, Bhopal; JNKVV, Balaghat; RVSKVV, Morena; NDVSU, Jabalpur; IGKV Ragnandgaon, Chhattisgarh; and NIBSM, Jabalpur. All seven PIs of the Farmer FIRST projects were invited to present their action plan 2018-19. Dr. Anupam Mishra, Director & Chairman ZPMC in his inaugural address clearly mentioned that the Farmer FIRST Project should meet the expectation of the farmers in catering their needs. Besides the technological interventions, project

activities must play important role in enhancing farmer's income through proper training & guidance in marketing aspect also. ZPMC experts Dr. Y.V. Singh, Former ZPD, Jodhpur; Dr. R.N.S. Banafar, DES, RVSKVV, Gwalior; Line department representative Sh. K.S. Netam, JDA, Jabalpur Division & Er. S.K. Chourasia, Ag. Engineer, Jabalpur Division; Farmer representative Shri Vivek Mahajan, Narsinghpur attended the meeting. During presentations, ZPMC members suggested project-wise modify the action plan, revised copy was submitted to ICAR. A total of 21 participants attended the programme. The workshop ended with Vote of Thanks proposed by Dr. S.R.K.Singh.



Farm Innovators Meet – to culture & nurture

The Farm Innovators Meet was held at ICAR -ATARI Zone IX, Jabalpur on 19 April, 2018. The programme was inaugurated by Dr. P.K. Bisen, Vice Chancellor, JNKVV, Jabalpur, M.P. and chaired by Dr. Anupam Mishra, Director, ICAR-ATARI, Zone-IX in presence of Dr. Om Gupta, DES, JNKVV, Jabalpur, Dr. S.R.K. Singh Principal Scientist and all the farm innovators invited for this workshop. The workshop started with welcome address by Dr S.R.K. Singh, Principal Scientist. During welcome address, he clearly mentioned the various aspects of the farm innovators meet and its purpose. Dr. Anupam Mishra, Director, ICAR-ATARI, Zone-IX, Jabalpur in his speech requested farmers to

come forward with new ideas and methods of farming which will be supported by the ICAR for its further assessment and validation to transform as technology/techniques beneficial for the future farming. During inaugural speech, Prof. Bisen appealed the farm innovators to be innovative in their farming operations so that the cheaper and eco-friendly solutions could be evolved at the lesser cost. He admired the initiative of ATARI to culture and nurture innovations in rainfed farming situation. All innovators presented their innovations well supported by the KVK scientists who accompanied them for this meet. A detailed discussion was held during

presentations along with the questions and feedback. Total 100 participants attended and benefitted by the programme. The workshop ends with Vote of Thanks



proposed by Dr. A.A.Raut, Scientist, ATARI, Zone IX, Jabalpur.



Action Plan Workshop of KVKs at ICAR-CIAE, Bhopal

The Action Plan Workshop was held at ICAR –CIAE, Bhopal during April 23-25, 2018. The programme was inaugurated by Dr. S. K. Rao, Vice Chancellor, RVSKVV, Gwalior, M.P. and chaired by Dr Anupam Mishra Director, ICAR-ATARI, Zone-IX in presence of Director, CIAE, Bhopal, Dr. Om Gupta, DES, JNKVV, Jabalpur, Dr. UPS Bhadauria, JDE, RVSKVV, Gwalior, Dr. P. Kaushal, JDR, ICAR-NIBSM, Raipur, Dr. S.R.K. Singh Principal Scientist and all the KVK Heads invited for this workshop. Welcome address was given by Dr S.R.K. Singh, Principal Scientist of the ICAR-ATARI, Zone IX, Jabalpur. Dr. Rao pointed out that though KVKs are working well still a lot of improvements are needed for enhancing the results, output and outcome in the favour of farming community. Dr. Om Gupta expressed

her expectations from the KVKs. Dr. Anupam Mishra appealed KVKs to be more prompt and effective in implementing the KVK activities so that farmers income could be doubled and nutri-SMART village could be established. All ICAR institutes along with line departments were invited to enlist their technology and desire from the KVK. All KVKs presented on best technology and the salient achievements of KVKs during 2017-18 along with action plan 2018-19 for their KVK in the context of doubling farmers income by 2022. Total 120 participants attended the workshop and shared their views. The workshop ended with Vote of Thanks proposed by Dr. U.R.Badegaonkar, Principal Scientist & KVK Head, CIAE, Bhopal.



Review Workshop on Nutri-SMART Village

Review Workshop on Nutri-SMART Village was held at ICAR -ATARI ZONE IX, Jabalpur on 28 April, 2018. The workshop was chaired by Dr Anupam Mishra, Director, ICAR-ATARI, Zone-IX in presence of Dr. (Mrs.) Om Gupta, DES, JNKVV, Jabalpur, Dr. S.R.K. Singh Principal Scientist, all the Home Scientists of ATARI, Zone IX and DPOs of different district of M.P and CG. The workshop started with welcome address by Dr S.R.K. Singh, Principal Scientist of the ICAR-ATARI ZONE IX, Jabalpur.

Dr. S.R.K. Singh while addressing the participants expressed the expectations from the Nutri Smart Village implementation. Dr. Anupam Mishra, Director, ICAR-ATARI, Zone-IX, Jabalpur in his inaugural speech mentioned that the best technology identification and its implementation for in selected Nutri-Smart villages should be on top priority. The programme was conducted in two technical sessions. In technical session I, all KVKs were presented on Road map, salient

achievements of Nutri-Smart village along with feedback from DPOs on the same. In the technical session II, all Home scientists of the KVKs presented Exhibition plan for International Workshop. Concluding remarks was given by Dr. Anupam Mishra. Total 80 participants attended and shared their progress and future road map. The workshop ended with Vote of Thanks proposed by Dr. A.A.Raut, Scientist, ATARI, Zone IX, Jabalpur.



Action Plan Finalizing Workshop for Selected KVKs at ICAR-ATARI, Jabalpur

A revised Action Plan Workshop was held at ICAR-ATARI, Jabalpur on 5th May 2018. The programme was inaugurated by Dr Anupam Mishra Director, ICAR-ATARI, Zone-IX in presence of Dr. Om Gupta, DES, JNKVV, Jabalpur, Dr. T.R.Sharma, Dr. S.R.K. Singh Principal Scientist and all the KVK Heads invited for this special workshop. Newly established as well as absentee KVKs during first workshop was invited for this workshop. Welcome address was given by Dr S.R.K. Singh, Principal Scientist of the ICAR-ATARI, Zone IX, Jabalpur. All the participating KVKs were requested to present their action plan as per the guidelines. Besides, newly established KVKs – Anuppur and Bankhedi were requested to present the scientist-wise action plan and the basis of the same as per the survey,

PRA and other reports consulted as need assessment of the farmers. Total 28 participants attended the programme. The programme was completed with vote of thanks by Dr. A.A.Raut, Scientist, ATARI, Jabalpur.



Review Meeting on Seed Hub

Review meeting on Seed Hub was organized at ICAR-ATARI, Jabalpur on 31st May 2018. The programme was chaired by Dr. Anupam Mishra and Dr. S.R.K. Singh welcome the participants from seed hub KVKs of Madhya Pradesh. Total nine KVKs - Narsinghpur, Datia, Dewas, Morena, Ujjain, Tikamgarh, Betul, Damoh and Harda are implementing seed hub in their area. They presented their progress for 2017-18 and action plan for 2018-19. Thorough discussion was held on storage and marketing aspect as well as price to be given to the farmers etc. Total 20 participants attended the

programme. The programme was ended with vote of thanks by Dr. A.A. Raut.



Training on Mobile App Development for Prog. Asstt. (Computer)

A meeting on “Mobile App Development” was held at ICAR -ATARI Zone, IX, Jabalpur on 11 June, 2018. The workshop was chaired by Dr Anupam Mishra, Director, ICAR-ATARI, Zone-IX in presence of IT experts Prof. S.N. Murty, Ex-Director (Instrumentation), Dr. A.K. Rai, Director Instrumentation and Er. Bharti Das, Ass. Professor from JNKVV, Jabalpur. Dr. S.R.K. Singh

Principal Scientist, welcome all the participants from different district of M.P and CG. Dr. Singh while addressing the participants requested the KVK computer experts to come forward with mobile app on any aspects of the farming. Dr. Anupam Mishra, Director, ICAR-ATARI, Zone-IX, Jabalpur in his inaugural address mentioned that mobile app has been the need

of the hours as the farmers are using the internet and android based cellphone set. This can help in solving the farming operation related issues on the spot and during the actual implementations of the technology. The experts delivered their lectures to show the principle of the mobile app development. All participants were asked to clear their doubts and issues related to app development. Total 65 participants attended and shared their progress and future road map. The workshop ended with Vote of

Thanks proposed by Dr. A.A.Raut, Scientist, ATARI, Zone IX, Jabalpur.



4th International Day of Yoga Organized

International Yoga Day organized at ICAR ATARI, Zone IX Jabalpur on June 21, 2018 Jabalpur in the guidance of Yoga Guru Dr. R.K. Nema, Dean Collage of Engineering, JNKVV Jabalpur and dynamic leadership of Dr. Anupam Mishra, ATARI, Jabalpur and technical guidance of Dr. S.R.K.Singh Principal Scientist, ATARI, Jabalpur. All the staffs of ATARI have participated and benefitted by the Yoga Session on this auspicious day following the international protocol of loosening body, asanas and pranayams as prescribed by the Yoga Guru. The programme was started with the prayer and ended with the commitment of the "Sarve Bhavantu Sukhinah" so that peace and harmony could be brought not only among the citizens in India but in the whole world which is ultimate goal of this Yoga day. Participants felt warm and energetic after completion of the Yoga session and promised to practice the

session whole year not just on the day. Total 20 staffs from ATARI, Jabalpur participated including Sh. Sunil Gupta, AAO, Sh. Rajeev Kulshrestha, AF & AO, Sh. R.K. Soni, Sh. Sukhchain Das, Ashok Dubey, Dr. Neha Sharma, Dr. Anita Deshmukh, Mrs. Diljeet Ruprah, Alok Suryawanshi, Miss Preeti Tiwari, Rishabh Vishwakarma, and Anand Shukla.



Technology Demonstration Component under NICRA by KVKs

NICRA is operational in 12 KVKs of Zone IX.

- ▶ Under Natural Resources Management Module, a total of 836 farmers benefitted covering area of the 255.07 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 745 farmers benefitted and covered 216.42 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 581 farmers benefitted through covering 1717 animals and birds focusing the preventive vaccination, de-worming of animals and animal health camp and 353.4 ha area were covered.
- ▶ Under Institutional interventions, in custom hiring through various implements - Rotavator, multi

crop thresher and seed drill, etc. 292 farmers were benefitted and it covered 120.5 ha. area.

- ▶ Under Capacity Building, total 46 training courses were organized benefiting 1343 participating farmers.
- ▶ As Extension Activity, a total of 45 activities were organized benefiting 673 farmers.



Cluster Demonstrations of Kharif Oilseeds 2018-19 under NFSM

In CFLD oilseed 2017-18 total conducted area in Madhya Pradesh and Chhattisgarh was 3569.8 ha with 7776 demonstration in which the covered area in *kharif* and *rabi* season were 1814.8 ha and 1755 ha followed by 4110 and 3666 no of demonstration respectively. In zone the percentage increases yield of major oilseeds crops were observed is : Soybean 33.58% , Mustard 31.04%, Linseed 46.21%, Niger 47.57% , Sesame 29.59% and Groundnut 34.92%

During Kharif 2018-19 the implemented area in Madhya Pradesh major crops is in soybean 851 ha with 2122 demonstration, niger 110 ha with 277 demonstration, sesame 110 ha with 229 demonstration, groundnut 20ha with 50demonstration. In Chhattisgarh Soybean implemented in 180 ha ,317 demonstration, niger 210 ha with 470 demonstration, sesame 70 ha with

140 demonstration, and in groundnut 170 ha area with 362 demonstration followed by technology improved variety, line sowing, PSB culture and IWM.



Cluster Frontline Demonstrations on Pulses under NFSM

During 2017-18 a total of 10225 demonstrations was conducted in 4433 ha area under CFLD Pulses. The demonstrations has implemented through 66 KVKs. Major crops undertaken were black gram, green gram, horse gram, lathyrus, pigeon pea, chickpea, field pea and lentil in all three seasons in the operational states of Chhattisgarh and Madhya Pradesh. Yield increased in different crops black gram 39.64 % , chickpea 39.45 % , field pea 41.88 % , green gram 32.52 % , horse gram 41.56 % , lathyrus 48.88 % , lentil 36.89%, pigeon pea 46.40 %.

During 2018-19 in Kharif 4825 demonstrations to be conducted in 1930 ha area under CFLD Pulses in the operational states of Chhattisgarh and Madhya Pradesh. The demonstration has been planned to be implemented through 55 KVKs in five pulses crops namely Black gram (850 ha), Green gram (130 ha), Horse gram (80 ha) and Pigeon

pea (870 ha). 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 KVKs in Zone IX through 889 messages comprising the subjects of crop, soil, livestock,

marketing, awareness etc. in the Zone IX during the quarter April to June, 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 | Soil | Livestock | Weather | Marketing | Awareness | Other enterprise |
| M.P. | 14909 | 36399 | 1656886 | 686 | 296 | 81 | 74 | 62 | 37 | 92 | 44 |
| C.G. | 509 | 12013 | 829193 | 203 | 103 | 25 | 23 | 4 | 6 | 32 | 10 |
| Total | 15418 | 48412 | 2486079 | 889 | 399 | 106 | 97 | 66 | 43 | 124 | 54 |

Progress of Nutri - SMART Village

Nutri - SMART Village is the unique architect for nutrition-sensitive agriculture which could be practiced in Kitchen garden, roof garden for nutrition supplementation. This is a scientific approach based on the concept "You grow what you eat".

- ▶ Nutri-SMART village technology covered total of 46 District in Madhya Pradesh and Chhattisgarh. In this programme Intervention were covered the total

area of 116.55 ha in zone IX including, 500 unit and 3202 farmers benefitted.

- ▶ Under capacity building covered total of 51 District in MP and CG, 196 courses were organized in which 5465 participating farmers benefitted.
- ▶ In extension activity covered total of 46 District in MP and CG, a total of 1178 activities were organized in which 4760 farmers benefitted.

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.



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I sincerely thank the editorial team for their efforts in bringing out this issue of Newsletter.

(Anupam Mishra)

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