

# Zonal Agri-News

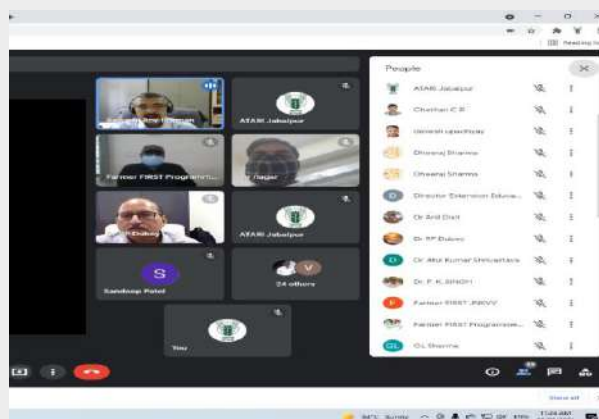
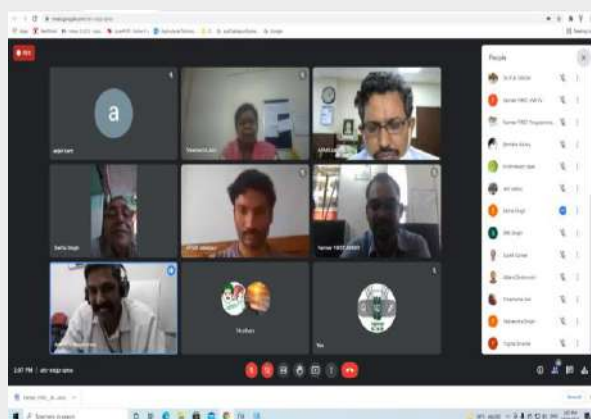
(A Newsletter from Zone IX)

Vol.13. No.1

April- June, 2021

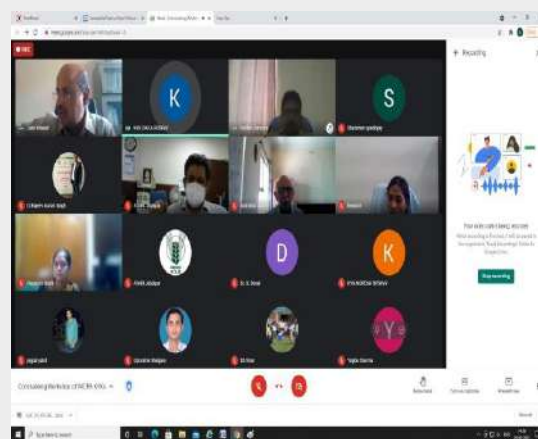
## Virtual Review Workshop of Farmer FIRST Programme

Virtual Review Workshop of Farmer FIRST Programme was organized on 3<sup>rd</sup> June 2021 at ICAR-ATARI Jabalpur in presence of ZPMC chairman and members. Mr. Tushar Athare, Scientist, welcome all the participants and ZPMC chairman and members. Dr. R.R. Burman Principal Scientist & Member ZPMC, IARI, New Delhi presented brief information on about Farmer FIRST Programme, their conceptualization and way ahead. All seven Principal Investigators of the Farmer FIRST projects were presented their progress report 2020-21 and action plan 2021-22. ZPMC Chairman Dr. Y. V. Singh, Former ZPD, Jodhpur, said that this is very esteemed project and should have focus on resolving constraint or lacunas identification and their solution while application of technology and impact assessment of technology. Dr. R.R.Burman, Principal Scientist & Member PMC, IARI, New Delhi said that successful cases may be replicated in other villages with cluster approach and convergence with other state and line departments for large scale technologies. Gender and nutrition may be given priority and must keep focus on it. Dr. S.R.K. Singh, Principal Scientist & Director (A.) mentioned that project related to the concept of Doubling Farmer's Income and may be implemented by all the seven centres to double the farmers income. A total of 35 participants attended the meeting. The meeting ended with vote of thanks proposed by Mr. Tushar Athare, Scientist, ICAR-ATARI, Jabalpur.



## Online Review Meeting & Concluding Workshop of NICRA KVKs

The ICAR-ATARI, Zone-IX, Jabalpur conducted the online review meeting of NICRA on 25 May, 2021. Total 32 participants attended this review meeting. A concluding Workshop of NICRA KVKs conducted on 29 May, 2021 via online mode. The Nodal officers from respective KVKs presented the annual progress of 2020-21 and discussions were held on the implementation of action plan for the year 2021-22. Total 40 participants attended this concluding workshop organized in collaboration with ICAR-CRIDA, Hyderabad.



## Network Project on Doubling Farmers Income

The ICAR-ATARI, Zone II, Jodhpur conducted the online sensitization meet on ICAR mega network project titled “Impact Assessment of Selected Interventions by KVKs under Doubling Farmers’ Income for Enhancing Farmers’ Income” dated on 19 April, 2021 for all CCPI’s of participating ATARIs. Dr. D. Bardhan, Pr. Scientist (Agril. Economics) from ATARI, Zone IX, Jabalpur participated in the meeting along with CCPI’s from other participating ATARI’s. Dr. Raj Narayan, Pr. Scientist, ATARI, Jodhpur conducted the workshop and presented the road map of the said project. Thereafter, detailed discussions were held on the project activities, specifically on sampling method (both sampling design and sample size) and finalization of questionnaires. Another meeting on the same project was held on 22.04.2021, wherein Dr. Rajesh Rana, Pr. Scientist, ATARI, Zone I, Ludhiana, made a presentation on methodology to be adopted for achieving the project objectives. Detailed deliberations were held during the presentation regarding way forward in addressing the project mandates, viz. delineating different technological measures commenced by KVKs, quantifying component wise and intervention wise contribution of the activities undertaken by the KVKs and assessing the overall impact of initiatives undertaken by KVKs.

## World Bee Day

The “World Bee Day” was celebrated by organizing a training programme on “Scientific Bee Keeping” through google meet dated on 20.05.2021. In the programme Scientists and farmers were discussed about bee species, identification, rearing techniques and establishment of an Apiary.

Name of State	No. of KVKs organized the programme	Number of Participants
Madhya Pradesh	53	2648
Chhattisgarh	28	2175
<b>Total</b>	<b>81</b>	<b>4823</b>



### **Celebration of Annual Health & Productivity and World Milk Day**

World Milk Day was celebrated on 1<sup>st</sup> June, 2021 in KVKs by organizing online seminar. Farmers got information from seminar and know about the importance of milk in daily life. Milk contains valuable nutrients and offers a range of health benefits. It is not only consumed by growing children but also by people of all age groups. It is an important part of our daily diet. It has great nourishing value and a rich source of calcium, protein, and fat, etc.

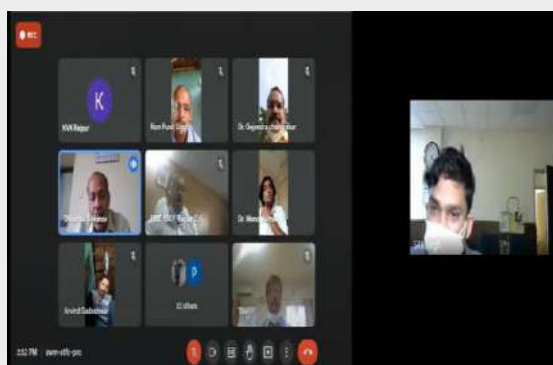
Name of State	No. of KVKs organized the programme	Number of Participants
Chhattisgarh	28	3584
Madhya Pradesh	53	3693
<b>Total</b>	<b>81</b>	<b>7277</b>



### **Webinar on Makhana Production and Processing Technologies for Income and Nutrition Security**

A Webinar on Makhana Production and Processing Technologies for Income and Nutrition Security was organized in collaboration with ICAR Research Complex for Eastern Region, RCM, Darbhanga on 17 June, 2021. KVKs Dhamtari, Raipur, Balaghat presented the activities in makhana cultivation, processing and marketing in their districts. Dr. S. R. K. Singh, Director, ICAR-ATARI, Jabalpur stressed the importance of makhana for nutritional and income security of the farmers and scope for its cultivation in Madhya Pradesh and Chhattisgarh. Dr Anjani Kumar, Director, ICAR-ATARI, Patna elaborated the importance of makhana in the state of Bihar. Dr. Ujjwal Kumar, Director, ICAR Research Complex for

Eastern Region, Patna highlighted the need for processing and export of Makhana. Dr. S.C. Mukherjee, DES, IGKV, Raipur shared the success of Makhana cultivation and processing in Dhamtari KVK and scope of adoption in other districts of Chhattisgarh. Dr. I. S. Singh, I/c Head and Dr Manoj Kumar, Scientist from ICAR Research Complex for Eastern Region, RCM, Darbhanga gave talk on scientific makhana cultivation.



### Fertilizer Awareness Programme

Farmer’s Awareness Campaign on ‘Balance Use of Fertilizers’ was organized on 18.6.2021 in KVKs. During this campaign, judicious use of fertilizers using 4R approach, role of fertilizers, encouraging use of organic manure, process of soil sampling and testing was discussed with the farmers through online mode and also video on soil testing technique shared with them. Total 3017 participants attended awareness campaign.

State	No. of total participants	No. of Farmers	No. of VIPs
Chhattisgarh	930	797	18
Madhya Pradesh	2087	1853	37
<b>Total</b>	<b>3017</b>	<b>2650</b>	<b>55</b>



## **Celebration of International Yoga Day**

7<sup>th</sup> International yoga day was organized dated on 21.06.2021 at ICAR-ATARI, Jabalpur. In this programme different types of exercise, yoga practices and meditation activities were performed.

## **Director Extension Services, IGKV, Raipur Visit KVK, Jashpur, C.G.**

Dr. S.C. Mukherjee, Director Extension Services, IGKV, Raipur, Inspected KVK, Jashpur on 21.06.2021. While inspecting the farm activities being run by various schemes in the farm of KVK, Dr. S. C. Mukherjee said that due to the hard work of the scientists, employees and labourers of Krishi Vigyan Kendra, it has been possible that there is greenery around the farm even though it is hot. While observing the various products manufactured by the women of Ludeg's Self Help Group, he said that KVK is doing very good work with women farmers. While inspecting the low cost self-made maize peeling machine and egg hatching machine made by Shri Dev Kumar Patel, resident of Village-Gala of Pathalgaon block, directed the scientists of Krishi Vigyan Kendra to promote their machine. After this, he visited and inspected quail rearing, kadaknath rearing, mother orchard and mini rice meal unit provided by KVK, Jashpur for improvement in income and livelihood of tribal farmers under Scheduled Tribal sub-plan in village Bataikela of Kansabel Block.



## Farmer FIRST Programme under ATARI, Jabalpur

Farmer FIRST project is operational at seven centres under ATARI Jabalpur. During April-June, 2021 in adopted 32 villages, 576.69 ha area covered under crop based module and 1511 households benefitted, under horticulture based module 93.012 ha area covered and 800 plants Moringa distributed and 506 household were covered, under natural resource management, 507.13-ha area covered and 1311 households benefitted, under livestock based module total 400 animal, 200 goat, 1796 poultry and 387 households benefitted and 1 kg fingerlings distributed to 23 farmers, under enterprise based module, six oyster mushroom units, three units of azolla production, three units of beekeeping, ten units of kadaknath chicks, eight units of vermi-compost were established and 137 Palas plants brooded by lac and 222 households benefitted, under IFS module, 118.52 ha area covered and 86 households benefitted. Under capacity building programmes, 813 farmers were benefitted in 19 villages and under extension activities, 22 activities performed and 455 farmers were benefitted. Under ICT based module, 2545 messages delivered and 5902 telephonic calls and 16018 household benefitted in Farmer FIRST project villages.



## Cluster Frontline Demonstrations of Oilseeds Rabi 2020-21 under NFSM

In Madhya Pradesh during Rabi 2020-21, under mustard crop 640 ha area covered with 1575 demonstration by using HVY variety, line sowing, and seed treatment technologies and in linseed crop 335 ha area covered with 833 demonstrations by using improved variety with seed treatment and INM technologies.

Similarly in Chhattisgarh under mustard crop 643 ha area covered with 1381 demonstration using improved variety, line sowing and IPM technology. In linseed 360 ha area covered with 818 demonstration using line sowing, seed treatment and IWM technology. In Safflower crop 50 ha area covered with 104 demonstrations and in Groundnut 38 ha area covered with 95 demonstration using line sowing technology.



## Cluster Frontline Demonstrations of Pulses Rabi Progress 2020-21

Under CFLD Pulses, during Rabi 2020-21, in Madhya Pradesh, chickpea was demonstrated in 45 KVKs and covered 768 ha area with 1934 demonstrations by using seed drill, broad bed furrow, raised bed method, ridge & furrow and dibbling method of sowing, IPM, improved variety with seed treatment technologies and the obtained yield was 16.23 q/ha. Similarly, field pea was demonstrated in 50 ha area with 123 demonstrations in 04 KVKs by using improved variety along with seed treatment with trichoderma, and seed inoculation with rhizobium + PSB @ 20g./kg, along with using micronutrients, INM, IPM technology and obtained yield was 18.95 q/ha. Also, lentil covered 100 ha area with 247 farmer in 09 KVKs using high yielding variety, seed treatment with trichoderma and seed inoculation with rhizobium, PSB , INM, IPM technology and obtained yield was 13.13 q/ha.

In Chhattisgarh, chickpea was demonstrated in 255 ha area with 539 demonstrations by 18 KVKs using major technologies like line sowing with seed drill cum fertilizers, high yielding varieties along with seed treatment and application of bio fertiliser, IPM, soil test based fertiliser application and obtained yield was 11.15 q/ha. Similarly, fieldpea covered 145 ha area with 309 demonstrations in 11 KVKs using sprinkler irrigation and zero tillage with line sowing, seed treatment technology and obtained yield was 7.65 q/ha. In laythrus, demonstration was laid out by 08 KVKs in 90 ha area with 150 demonstrations and obtained yield was 6.42 q/ha. Technology used in lathyrus was line sowing, seed treatment with biofertilizers, etc. In lentil crop 46 demonstrations was laid out in 20 ha area by 02 KVKs using, line sowing, seed treatment with biofertilizers (Rhizobium & PSB), INM, IPM etc. and obtained yield was 6.77 q/ha. Also, pigeon pea covered 10 ha area with 13 demonstrations laid out by only 1 KVK using line sowing with improved variety, soil test based fertilizer application, IPM and INM and obtained yield was 6.75 q/ha.



### Kisan Mobile Advisory

Kisan Mobile Advisories in various thematic areas viz., agriculture, horticulture, animal husbandry, fisheries, enterprise, home science, weather are regular sent by KVKs to farmers in Madhya Pradesh and Chhattisgarh. More than two million farmers were covered through mobile advisories by 59 KVKs through 722 messages comprising the subjects of crop, soil, livestock, farm mechanization, home science, marketing, awareness etc. in the Zone IX during April to June, 2021. All KVKs under this institute are using mkisan portal for sending their mobile advisory. All the mobile network of villages in Madhya Pradesh and Chhattisgarh are connected through KMA.

State	No. of village covered	No. of farmers Covered	No. of Messages (Text)	Topic of messages								
				Crop	Soil	Livestock	Weather	Marketing	Farm Mechanization	Home Science	Awareness	Other enterprise
M.P.	39539	1682632	441	197	50	28	47	9	4	24	29	53
C.G.	14638	996820	281	127	29	25	65	0	2	16	9	8
<b>Total</b>	<b>54177</b>	<b>2679452</b>	<b>722</b>	<b>324</b>	<b>79</b>	<b>53</b>	<b>112</b>	<b>9</b>	<b>6</b>	<b>40</b>	<b>38</b>	<b>61</b>

## 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.*



*The ICAR-ATARI, Zone II, Jodhpur conducted the online sensitization meet for all CCPI's, from participating ATARIs in ICAR mega network project on "Impact Assessment of Selected Interventions by KVKs under Doubling Farmers' Income for Enhancing Farmers' Income" on 19<sup>th</sup> April, 2021. Dr. D. Bardhan, Pr. Scientist (Agril. Economics) from ATARI, Zone IX, Jabalpur participated in the meeting along with CCPI's from other participating ATARI's. World Bee Day was celebrated by organizing a training programme on "Scientific Bee Keeping" through google meet dated on 20<sup>th</sup> May 2021. World Milk Day was celebrated on 01<sup>st</sup> June 2021 in KVKs. Farmers get information from seminar and know about the importance of milk in daily life. The ICAR-ATARI, Zone-IX, Jabalpur conducted the online review meeting of NICRA on 25<sup>th</sup> May & 29<sup>th</sup> May, 2021. Virtual Review Workshop of Farmer FIRST Programme was organized on 3<sup>rd</sup> June 2021 at ICAR-ATARI Jabalpur in presence of ZPMC chairman and members.*

*A Webinar on Makhana Production and Processing Technologies for Income and Nutrition Security was organized in collaboration with ICAR Research Complex for Eastern Region, RCM, Darbhanga on 17<sup>th</sup> June, 2021. Farmer's Awareness Campaign on 'Balance Use of Fertilizers' was organized on 18<sup>th</sup> June 2021 in KVKs. Celebration of 7th International yoga day was organized on dated 21<sup>st</sup> June 2021 at ICAR-ATARI, Jabalpur. Dr. S.C. Mukherjee, Director Extension Services, IGKV, Raipur, inspected KVK, Jashpur on 21<sup>st</sup> June 2021. While observing the various products manufactured by the women of Ludeg's Self Help Group like Tomato Powder, Moringa Powder, Mushroom Powder, Coriander Powder, Turmeric Powder, Soap, Surf and Dishes - Khajoor Laddua, Jckfruit Chips, Moong Papad, Tomato Halwa, he said that KVK is doing very good work with women farmers.*

*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 6 KVKs.*

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

**Published By:**

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

**Editorial Board:**

**Dr. S. R. K. Singh**, Director (Acting)

**Dr. D. Bardhan**, Principal Scientist (Agril.Eco.), **Dr A. A. Raut**, Scientist (AE) & **Dr. T.R. Athare**, Scientist (AE)