

**Zonal Agri-News**  
*(A Newsletter from Zone IX)*

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**NICRA Workshop New KVKs**

NICRA workshop organized on 8<sup>th</sup> March, 2022 of JNKVV, RVSKVV & IGKV KVKs participated. It was held at ICAR-ATARI, Jabalpur, chief guest of the workshop was Dr. S.K. Choudhari, Hon`ble DDG NRM, Dr.V.K. Singh Director CRIDA, Dr. JVNS Prasad, Program leader, TDC NICRA, Dr. S.K. Bal, Principal Scientist, ICAR-CRIDA, Hyderabad. Dr. S.R.K. Singh, Director, ATARI, Jabalpur, Dr. J.S. Mishra, Director, DWR, Jabalpur, Dr. D.P. Sharma, DES, JNKVV, Jabalpur during the workshop programme KVKs of Madhya Pradesh & Chhattisgarh have Participated. JNKVV, Jabalpur- Chhatarpur, Tikamgarh, Dindori (New) & Satna. RVSKVV Gwalior-Datia, Morena, Jhabua, Ratlam & Bhind (New). IGKV, Raipur- Bilaspur, Bhatapara, Durg-II, Mahasamund (New), Raigarh (New). At present, NICRA Project is operated at 11 KVKs under ATARI, Jabalpur. Chief guest of the workshop programme Dr. S.K. Chaudhari addressed that Research, Technology Demonstration Component & fundamental Research are three main important points to be focused. As, KVK is most important bridge between researchers & farmers, he addressed KVK Scientist should focus to create awareness regarding climate change & promote interventions focusing on climate change. Further, he added advances like drone technology ,thermal imaging should be adopted in the intervention by the KVKs. Dr.V.K. Singh, Director, ICAR-CRIDA, Hyderabad explained on the proper documentation based on the farming System typology at farm & household level. Also, NICRA interventions should be done in cluster approach around NICRA Villages. Dr. S.R.K. Singh, I/c Director, ATARI, Jabalpur briefed regarding salient achievements carried out by the NICRA-KVKs during the last ten years. Interventions like rainwater harvesting, recharging of the ground water, in-situ moisture conservation, custom hiring center & mulching are contributing in resilience against the climate change. Dr. JVNS Prasad, Principal Scientist & Programme Coordinator, NICRA from ICAR-CRIDA, Hyderabad explained about climate change scenario in India & Madhya Pradesh, objectives of technology demonstration component under NICRA, technology demonstration Modules & interventions, guidelines for selection of Villages & data under TDC-NICRA Project. Dr. J.S. Mishra, Director, ICAR-DWR, Jabalpur highlighted the role of NICRA in addressing the climate change in agriculture & intervention under the NICRA Should address Vulnerability with technological intervention in cropping practices through NICRA. During the Workshop frame work was finalized for baseline survey & different technological modules & institutional Mechanism to be taken up the NICRA KVKs to address the climatic vulnerability of agriculture at the field level.



### **Interaction with KVK Regarding "Natural Farming"**

An interaction workshop was organized involving all KVKs under ATARI, Jabalpur on 4<sup>th</sup> January, 2022. In this workshop KVK experts were sensitized on various aspects of natural farming. Further, they were asked to initiate awareness, training and demonstration on natural farming at farmers' field. KVKs were advised to motivate farmers and department officials to initiate natural farming in various crops.

### **Review Meeting of NICRA KVKs**

One day Review Meeting of National Innovations in Climate Resilient Agriculture (NICRA) was organized on January 07<sup>th</sup>, 2021 at ICAR-ATARI, Jabalpur. At present, NICRA Project is operational at 11 KVKs viz. Madhya Pradesh (8) Chhatarpur, Datia, Jhabua, Morena, Ratlam, Tikamgarh, Bhind (N), Dindori (N) and Chhattisgarh (3) Durg-II (N), Mahasamund (N) and Raigarh (N). Dr. A.A. Raut, Scientist, ICAR-ATARI, Jabalpur welcomes all the member participants in review meeting. All NICRA KVKs Principal Investigators (PI) were presented their progress of ongoing activities of NICRA project. Dr. S.R.K. Singh, Director (A), ICAR-ATARI, Jabalpur, DESs of JNKVV, RVSKVV and IGKV participated in this review meeting. A total of 27 participants attended the review meeting. The review meeting ended with vote of thanks proposed by Dr. A.A. Raut, Scientist, ICAR-ATARI, Jabalpur.

## **Institute Management Committee Meeting**

The meeting of Institute Management Committee (IMC) was held under the Chairmanship of Dr. S.R.K. Singh, Director, ATARI Jabalpur on January 11, 2022. The meeting was attended by members of IMC and staff of ICAR-ATARI Jabalpur. Director, ATARI Jabalpur presented the brief of activities of ICAR-ATARI Jabalpur and briefed the member of the IMC about the infrastructural developments during the last year. The achievements were appreciated by the members of the IMC. The proposed items in the agenda were approved by the IMC. The AF&AO presented the vote of thanks.

## **Review Meeting on ICAR Mega Project on Doubling Farmers' Income**

Virtual meetings were held on 2<sup>nd</sup> & 28<sup>th</sup> February, 2022 to discuss the progress as per the time line of various activities under the project pertaining to ICAR Mega project on Doubling Farmers' Income. Scientists from 27 selected KVKs, who are collaborators in the project, participated in the meeting. The progress in household survey, as per approved sampling plan was assessed in details. Dr. D. Bardhan, Pr. Scientist, ICAR-ATARI, Zone IX, Jabalpur coordinated the meeting.

## **Virtual Action Plan Workshop of KVKs 2022**

Action plan workshop of KVKs of JNKVV, RVSKVV Gwalior and IGKV, Raipur was held at ICAR-ATARI, Jabalpur on 08, 09, 11 & 14 February, 2022 under the Chairmanship of Dr. S.R.K. Singh, Director, ATARI, Jabalpur. Dr D.P. Sharma, DES, JNKVV, Dr. Y.P. Singh, DES, RVSKVV, Gwalior, Dr. R.K. Bajpai, DES, IGKV, Raipur and Dr. R. P. Tiwari, Director Extension Services, DSVCKVV, Durg participated in the meeting. The meeting was attended by 100 participants including KVK Head and scientists. Dr. S.R.K. Singh welcomed participants and briefed about the rationale of the workshop. The KVKs presented the progress of work and progress made in the satellite village. The KVKs also presented the action plan for 2021-22 and proposed intervention for doubling Farmers Income in the satellite village in various thematic areas.

## **Meeting of the Research Advisory Committee for ICAR ATARIs**

The mid-term review meeting of the National Network Projects was conducted on 21<sup>st</sup> -22<sup>nd</sup> February 2022 through virtual mode under the Chairmanship of Dr. P. Das, Former DDG (AE) and Chairmen RAC. All the members of RAC Dr. K.M. Bujarbaruah, Former VC, AAU, Assam, Dr. Rajinder Parshad, Former ADG (AE), Dr. Pramod Kumar Joshi, Former Director-South Asia, IFPRI, Dr. Debi Prasad Ray, Former VC, OUAT, Bhubaneswar, Dr. Randhir Singh, ADG (AE) were present. Dr. Chandre Gowda, M.J. Principal Scientist and

Member Secretary RAC welcomed the Hon'ble Chairman and the Members of the RAC, Dr. A.K. Singh, DDG (AE), Directors of ATARIs, CoPIs from HQ, PIs and CoPIs from all the ATARIs and other participating Scientists. Dr. A.K. Singh, DDG (AE), in his inaugural address appreciated all the ATARIs for taking the network research projects seriously and making all out efforts to carry on despite of their busy schedule. Dr. K.M. Member RAC observed that, of late, the situation is improving with younger social scientists showing remarkable achievements and are being recognized with NAAS fellowship. Dr. P. K. Joshi, Member RAC remarked that Agricultural Extension research has transformed tremendously in the recent past and became the part of mainstream national agricultural research. Dr. R. Parshad said that The eight network projects provide an opportunity for integration of different disciplines. New concepts, theories and outputs could be generated through these network projects. Dr. D.P. Ray, Member RAC urged to covert the large data generated through these project in to high rated publication and need based research projects can be taken up at the zonal level. Dr. Randhir Singh expressed that all the KVKs can identify one or two issues that limit production and profitability in each district and then project the work done for overcoming those issues with relevant process and outcome documents. Dr. P. Das, Chairman RAC, expressed that the outcome of these network projects could well set a trend for agricultural extension research in the country. Dr. S.R.K. Singh, Acting Director, ATARI Jabalpur and PI of Gender and Nutrition at National level presented the progress on Gender and Nutrition mega project.

### **Review Meeting on Progress of Nutri SMART Village**

A review meeting on Progress of Nutri-SMART Village was organized by ICAR-ATARI, Jabalpur dated on 23<sup>rd</sup> February, 2022. Dr. S.R.K. Singh, Director (Acting) and Dr. A. A. Raut, Scientist, ICAR-ATARI, Jabalpur reviewed the progress of the NSVs operationalized in the respective KVKs of M.P. & C.G. The work progress in Nutri-SMART Villages was presented by the each KVKs. All the home scientist/scientist who are the in-charge of the Nutri-SMART Villages of Madhya Pradesh and Chhattisgarh participated in the meeting. The nutrition related intervention was explained by the KVKs for nutritional security in the NSVs. In total, 60 participants were attended the meeting.

### **Review of Farmer FIRST Programme (FFP) Expenditure**

The review meeting was organized by ICAR-ATARI, Jabalpur dated on 16<sup>th</sup> March 2022 via virtual mode. All seven FFP center PIs participated in the meeting. The detailed expenditure of each FFP center for the year 2021-22 reviewed by Dr. S.R. K. Singh, Director (Acting) and Nodal officer of Farmer FIRST Programme, ICAR-ATARI, Jabalpur. He instructed for full utilization of the budget under capital and general head. The meeting ended with vote of thanks.

## Review Meeting of Gender and Nutrition Project

One day online review meeting of ICAR Network Project on the theme of Gender and Nutrition organized on 22<sup>nd</sup> March 2022 by ICAR-ATARI, Jabalpur. All the CCPIs of other ATARIs of this project participated in the project. Dr. A.A. Raut, Scientist, ICAR-ATARI, Jabalpur presented detailed RCT sampling plan and selection of beneficiaries under RCT sampling. Dr. D. Bardhan, Principal Scientist, ICAR-ATARI, Jabalpur, explained the importance of randomization as it is the main crux of the RCT sampling plan. Dr. S.R.K. Singh, Director (Acting), ICAR-ATARI, Jabalpur and PI of this project elaborated about the RCT sampling plan and interacted with the all CCPIs of other ATARIs about the progress of first phase data collection. Dr. A. A. Raut proposed vote of thanks at the end of the meeting. In total, 15 participants were attended the meeting.



## Review Meeting of ARYA Programme

The meeting was organized by ICAR-ATARI, Zone IX Jabalpur on 29.03.2022 through virtual mode *via* video conferencing. All 12 KVKs Nodal In-charge under ARYA project participated in the meeting. A detailed presentation of the ARYA project progress and review of financial expenditure of the year 2021 was made by each KVK. The KVKs presented the enterprise wise achievements and progress made in entrepreneurial units by the youth trained under ARYA. The meeting was concluded by Dr. S.R.K. Singh, Director, ICAR-ATARI Jabalpur.

## Farmer FIRST Programme under ATARI, Jabalpur

Farmer FIRST project is operational at seven centres under ATARI, Jabalpur. During January-March, 2022 under crop based module, 469.90 ha area covered in 32 villages and 1339 households benefitted, under horticulture based module 73.45 ha area covered and

1136 household were covered, under natural resource management, 501.97 ha area covered and 1320 households benefitted, under livestock based module total 1300 Animal, 211 goat, 3211 poultry and 599 households benefitted and 23 kg fingerlings distributed to 23 farmers, under enterprise based module, three units of azolla production, three units of mushroom production, four units of beekeeping, ten units of kadaknath chicks, seven units of vermi-compost were established and 158 households benefitted, under IFS module, 108.65 ha area covered and 70 households benefitted. Under capacity building programmes, 702 farmers were benefitted in 20 villages and under extension activities, 47 activities performed and 4062 farmers were benefitted. Under ICT based module, 3885 messages delivered and 9261 telephonic calls and 8287 household benefitted in 32 Farmer FIRST project villages.



### **Cluster Demonstrations of Kharif Progress Oilseeds 2021-22**

Under CFLD oilseeds during Kharif season 2021 in Madhya Pradesh state, Soybean crop demonstrated in 380.8 ha area with 950 demonstrations in 34 KVKs by using Raised Bed Method, R&F improved variety with seed treatment technologies and the obtained yield is 14.79 q/ha. Similarly, Niger crop demonstrated in 80 ha area with 200 demonstrations in 7 KVKs by using improved variety with seed treatment, line sowing obtained yield is 4.43 q/ha, in Sesame crop 110 ha area with 272 farmers in 10 KVKs using seed treatment, INM, IPM technology obtained yield 5.27 q/ha and in Groundnut demonstrated in 60 ha area with 149 demonstrations in 6 KVKs by using line sowing technology obtained yield is 14.31 q/ha.

In Chhattisgarh state, Soybean crop demonstrated in 140 ha area with 247 demonstrations in 8 KVKs by using major technology line sowing with improved variety and the obtained yield 15.26 q/ha. Similarly in Niger 190 ha area with 452 demonstrations in 10 KVKs using line sowing, seed treatment technology and obtained yield is 4.62 q/ha. In Groundnut, 204 ha area conducted with 421 demonstrations in 13 KVKs by obtained yield 15.27 q/ha and in Sesame 160 ha area with 297 demonstrations in 10 KVKs conducted using line sowing with improved variety by obtained yield is 4.72 q/ha.



### Cluster Demonstrations of Rabi Sowing 2021-22 CFLD Pulses under NFSM

Under CFLD Pulses during *Rabi* 2021-22 in Madhya Pradesh state, chickpea crop demonstrated in 658.20 ha area with 1568 demonstrations in 48 KVKs using high yielding variety, R&F, BBF, line sowing, seed treatment with rhizobium and vitavax & IPM. Similarly, Fieldpea crop demonstrated in 40 ha area with 100 demonstrations in 4 KVKs using HYV with line sowing method of sowing, IPM, improved variety with seed treatment technologies. Lentil crop 160 ha area with 400 demonstrations in 14 KVKs using high yielding varieties seed treatment by rhizobium and soil treatment with *Trichoderma Viridae* followed INM, IPM.

In Chhattisgarh state, Chickpea crop demonstrated in 315 ha area with 617 demonstrations in 31 KVKs by using major technology line sowing R&F, seed treatment, IPM & INM. Similarly, in Fieldpea 150 ha area with 247 demonstrations in 11 KVKs using line sowing & seed treatment with rhizobium. In lentil, 45 ha area conducted with 97 demonstrations in 5 KVKs by using seed treatment, Line Sowing in laythrus 60 ha area with 136 demonstrations in 10 KVKs conducted improved seed, seed treatment with bioagent, INM and IPM similarly pigeonpea 20 ha area with 50 demonstrations in 02 KVKs conducted using line sowing with improved variety.



## 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, Jabalpur, Madhya Pradesh organized NICRA workshop on 8<sup>th</sup> March, 2022 of JNKVV, RVSKVV & IGKV KVKs participated. It was held at ICAR-ATARI, Jabalpur, chief guest of the workshop was Dr. S.K. Choudhari, Hon'ble DDG NRM, Dr.V.K. Singh, Director, CRIDA, Dr. JVNS Prasad, Program leader, TDC NICRA, Dr. S.K. Bal, Principal Scientist, ICAR-CRIDA, Hyderabad. At present, NICRA Project is operated at 11 KVKs under ATARI, Jabalpur. Chief guest of the workshop programme Dr. S.K. Choudhari addressed that Research, Technology Demonstration Component & fundamental Research are three main important points to be focused. An interaction workshop was organized involving all KVKs under ATARI, Jabalpur on 4th January, 2022. In this workshop KVK experts were sensitized on various aspects of natural farming. One day Review Meeting of National Innovations in Climate Resilient Agriculture (NICRA) was organised on January 07th, 2021 at ICAR-ATARI, Jabalpur. All NICRA KVKs Principal Investigators (PI) were presented their progress of ongoing activities of NICRA project.

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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 11 KVKs.

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

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