



Zonal Agri-News

(A Newsletter from Zone IX)

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Kadaknath Outreach Pathway at ICAR-ATARI, Jabalpur, January 10, 2019

Kadaknath Outreach Pathway meeting organized on January 10 & February 04, 2019 at ATARI, Jabalpur. Meeting was started on the presence of Dr. Anupam Mishra, Director, ATARI, Jabalpur. He gave the suggestions during meeting for further kadaknath farming and promoting. As desired by Director, ICAR, ATARI Jabalpur is planning to create platform for Kadaknath producers and traders in the country to facilitate the spread of kadaknath in different states of country through creating linkage among

Kadaknath producers and traders, establishing market chain and create a enabling platform for export of Kadaknath in Asian and Gulf countries. On this meeting to discussion with scientist and traders who already were working on kadaknath farming in Madhya Pradesh and Chhattisgarh for promoting kadaknath among farmers by providing technical assistance. The meeting was attended by 30 Scientist and Kadaknath traders from the district of from Madhya Pradesh and Chhattisgarh.



Experts Consultation Workshop on Technology Application and Impact at ICAR-ATARI, Jabalpur

This Workshop was held at ICAR-ATARI, Zone IX, Jabalpur January 28, 2019, inaugurated by Dr P. Das, former DDG, ICAR, New Delhi in presence of Dr. Rajbir Singh, Director, ICAR-ATARI, Ludhiana. Dr A.K. Tripathi, Director, ICAR-ATARI, Guwahati, Dr. Om Gupta, DES, JNKVV, Jabalpur and Dr. S.R.K. Singh, Principal Scientist, ICAR-ATARI, Jabalpur and the entire KVK scientist invited for this workshop the workshop started with welcome address by Dr S.R.K. Singh.

During Inaugural speech, Dr. P. Das has narrated the journey of the KVK initiation and visible technological impact of the system. He further stressed that KVK has been considered as the best options for agro-technology application for transformation Indian economy. Dr. A.A.Raut offered vote of thanks to the dignitaries and participants. All dignitaries expressed their views on this occasion. The workshop was attended by 88 scientists.



Workshop on Large Scale Technology Adoption and Impact at ICAR-ATARI, Jabalpur February 04, 2019

ICAR-ATARI, Jabalpur organized Workshop on Large Scale Technology Adoption and Impact during February 04, 2019 at ATARI, Jabalpur. The workshop was inaugurated by Dr. Anupam Mishra. Dr. S.R.K. Singh welcomed all participants. ICAR-ATARI, Jabalpur has taken initiated to document the large scale technology adoption in the zone. In this

workshop all KVKs from M.P. and C.G. presented their technology disseminated at large scale in their operational area. The workshop was attended by 76 scientists from the district of from Madhya Pradesh and Chhattisgarh under the ATARI, Jabalpur. The programme was coordinated by Dr. S.R.K. Singh and Dr.A.A. Raut.



State Level Consultation Meeting on Improving Dietary Diversity in M.P. at KVK, Indore

One day State level Consultation Meeting on Engagement of Institutes to support government for Improving Dietary Diversity in MP under Poshan Abhiyaan is being organized on 16 Feb, 2019 at KVK Kasturbagram Indore. The meeting focus Preparation of state plan of action and finalization of best practices/Innovations on Maternal and child Nutrition for 'National workshop market place' with

emphasis Argo-climatic zone wise dietary diversity, promoting consumption and household' community production of locally available nutritionally rich sustainable food resources and Improving diet diversity through school and home-based care. The Home scientist / Nodal Officer for Nutri-SMART village will participate in the workshop.



National Workshop on Promoting Healthy Diets Through Local Food System

National workshop on "Promoting Healthy Diets Through Local Food System" was organized during 20th - 21st February, 2019 at the Hotel Le Meridian, New Delhi by NITI Aayog in collaboration with National Centre of Excellence all Advanced Research on Diets, Lady Irwin College and UNICEF India. In inaugural session, Hon'ble Secretary DARE & Director

General, ICAR, New Delhi Dr. Trilochan Mohapatra, Dr. Anupa Sidhu, Director, Lady Irwin College. Smt. Preeti Sudan, Secretary, Ministry of Health and Family Welfare, Shri. Rakesh Shrivastava, Secretary, Ministry of women and child development, Shri. Amitabh Kant, CEO, NITI Aayog and Dr.Yasmin Haque, Representative of UNICEF India were present and addressed the

gathering Hon'ble, DG, ICAR Dr. Trilochan Mohapatra, delivered presidential address and focussed on agriculture for Nutrition, drumstick and coarse cereals in diet and also said that, ATARI Zone IX, SAUs of MP has already started the Nutri-SMART village programme, poshan thali and systemic policy frame work for agricultural extension system to promote nutrition sensitive agriculture.

An exhibition was also organized by KVKs from Madhya Pradesh and Chhattisgarh, Central India to sensitize on the nutritional security through local food value added products. Dr. Anupam Mishra, Director, ATARI explained the concept of Nutrition Smart Village to the guests who visited KVKs stall. Zone-wise action plan on a inspirational districts were prepared by participants.



Workshop on Use of ICT to Promote Nutrition Sensitive Agricultural Practices at DRI, Chitrakoot, Satna, February 26-27, 2019

Two-days workshop on "Use of ICT to Promote Nutrition Sensitive Agricultural Practices" was organized during February 26-27, 2019 at DRI, Chitrakoot, Satna by ICAR-ATARI, Jabalpur & GIZ, New Delhi. The programme was inaugurated by Dr. Anupam Mishra, ICAR-ATARI in presence of Ms. Nidhi Ralhan, Project Coordinator, FaNS, GIZ, Sh. Predeep Yadav, GIZ, Sh. Himanshu Verma, GIZ, Sh. Navin Horo, GIZ, Dr. Naresh Sharma, Vice President, DRI, Sh. Vasant Pandit, DRI, Mumbai, Miss Karishma, GIZ, Sh. Avinash Alok, GIZ. Dr. S,R,K,Singh welcomed the dignitaries and participants. Dr. Mishra appealed the

scientists to get acquainted with the NICE tools in detail so that it could be applied in KVKs in future course of action.

The workshop was attended by more than 80 KVK Scientists. They got a brief glimpse of ICT based-tool NICE and how it can be transformational in delivering the information (advisories) to various groups of farmers, women farmers etc. It is expected that NICE will be helpful in nutritional security through proper awareness and sensitization with relevant information related to nutrition well on time to the specific category of the users.



Zonal Monitoring Committee (ZMC) Visit to NICRA KVKs of Madhya Pradesh under ICAR-ATARI, Zone-IX, Jabalpur

ZMC team under NICRA Project lead by Dr. N. Sudhakar, Ex-ZPD, Hyderabad as chairman, Dr. Anupam Mishra, Director, ATARI, Jabalpur as Vice

Chairman, Dr. Pradeep Dey, Pr. Scientist, IISS, Bhopal & DDG, NRM nominee, Dr. S.S. Balloli, Principal Scientist (Soil Science) & Director CRIDA nominee, Dr. T.R.

Sharma, DES, JNKVV representative, Dr. S.S. Kushwaha, DES RVSKVV nominee RVSKVV, Gwalior and Dr. S. R. K. Singh, Principal Scientist & Member Secretary, ATARI, Jabalpur visited KVK Morena and KVK Guna during March 13-14, 2019 in Madhya Pradesh state.

At KVK Morena, Dr. S.P. Singh, KVK Head and PI presented the brief progress of the project. ZMC members visited the NICRA village Ata along with scientists of KVK Morena to review the technical progress in all the modules KVK showed the FIRB in wheat, and raised bed in other crops in the NICRA village along with livestock particularly buffalo and cattle based interventions. Regarding NRM mainly Zero tillage and land configuration methods like FIRB and raised bed were used.

In KVK Guna, ZMC team visited NICRA village Sarkhon & Araskheda. Dr. Sunita Mishra, KVK Head presented the activities of NICRA village. KVK showed the wheat crop variety HI-1544, protected cultivation, vermi-composting, custom hiring center based intervention. Marigold was found to effective as trap crop in several places; border row of marigold in tomato may be tried and demonstrated. Similarly, in cauliflower, mustard can be used as trap crop.

ZMC members also interacted with farmers at both KVKs on various aspects of the climate situation and its effect on their agricultural practices for mitigation and adaptation for the same. They further suggested that there is need to fine tune contingent plan of NICRA districts in the context of prevailing climatic vulnerability.



Pradhan Mantri Kisan Samman Nidhi Programme

Pradhan Mantri Kisan Samman Nidhi Programme was organized on February, 24, 2019 in 77 KVKs of Zone IX in Madhya Pradesh and Chhattisgarh. On this programme KVKs arranged the live webcast/telecast of inauguration of Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) by Hon'ble Prime Minister of India Shri Narendra Modi Ji from Gorakhpur, Uttar Pradesh.

The Pradhan Mantri Kisan Samman Nidhi Programme was attended by Five Central Ministers, Hon'ble Shri C.R. Chaudhary, Hon'ble Minister of State for Consumer Affairs, Food and Public Distribution and Commerce & Industry, Govt. of

India, at KVK Indore, Shri Narendra Singh Tomar, Ministry of Rural Development, Ministry of Panchayati Raj, Ministry of Mines Ministry of Parliamentary Affairs, at Morena, Hon'ble Shri Thaawar Chand Gehlot, Ministry of Social Justice and Empowerment at KVK Bhopal, Hon'ble Shri Virendra Kumar, Minister of Women and child development at KVK, Tikamgarh and Shri Vishnu Deo Sai, Minister of State of Steel at KVK Jashpur. The programme was also attended as Chief Guest by one state minister, 13 Hon'ble Member of Parliament, 19 MLAs and 271 other dignitaries. In this programme total 17879 farmers benefited.

Summary Report Pradhan Mantri Kisan Samman Nidhi Programme

State	No. of					
	Central Minister	State Minister	MPs	MLAs	Other dignitaries	Farmers beneficiaries
Madhya Pradesh	4	0	7	16	172	11587
Chhattisgarh	1	1	6	3	99	6292
Zone-IX	5	1	13	19	271	17879



International Women's Day 2019: Think Equal, Build Smart, Innovative for Change at ICAR-ATARI, Jabalpur March 8, 2019

ICAR-ATARI organized International Women's Day on 8 March 2019 collaboration with JNKVV and Women and Child Development, Jabalpur Govt. of Madhya Pradesh. Smt. Swati Godbole, Mayor, Municipal Corporation Jabalpur, Dr. P.K. Bisen, VC, JNKVV Jabalpur, Welcome Address given by Dr Om Gupta, Director Extension Services, JNKVV. Director ATARI Dr. Anupam Mishra gave valuable remark. Dr. Alka

Agrawal, Gynecologist & Obstetrician and Medical Officer, JNKVV, Dr. Sushma Taypade, District Lead, Poshan Abhiyan (Department of WCD) and Dr. Rajlaxmi Tripathi, Professor, Govt. M. H. College of Home Science for Women, Jabalpur lecture delivered on maternal and child health, nutrition for better human health and dietary diversity and Dr. Rashmi Shulka, Head KVK expressed heartfelt.

Venue	Details of activity under taken	Name of Collaborating Departments	Total participant
ICAR ATARI, Zone-IX,	The theme day as "Think Equal, Build Smart, Innovate for Change"	ICAR ATRI, JNKVV and WCD, Jabalpur GoMP	160
KVKs of MP and CG	Address by the Dignitaries, webcasting of PM's speech,	Mahila Bal Vikas , ATMA, Horticulture and Agriculture Department	5383



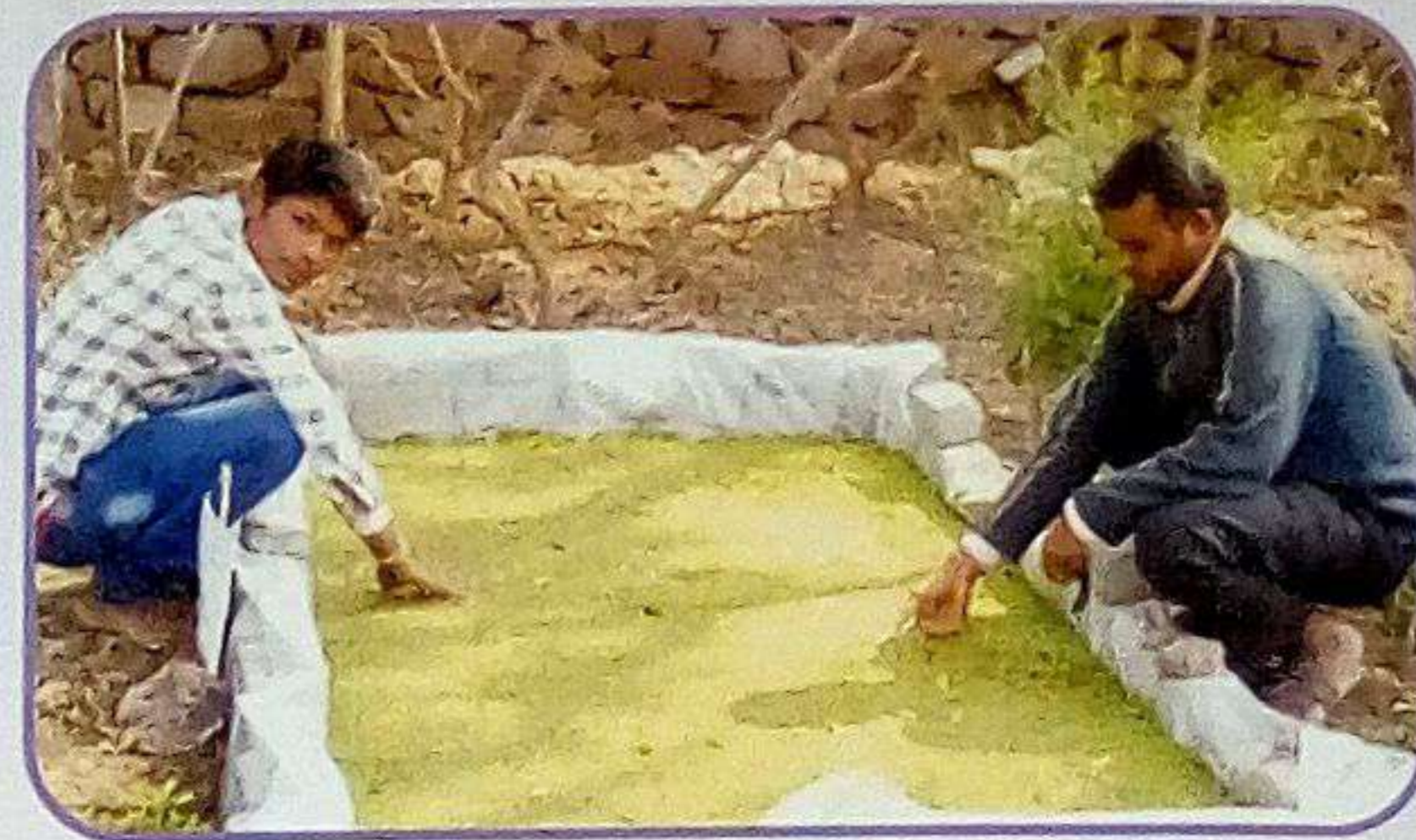
Farmer FIRST Programme under ATARI, Jabalpur

Farmer FIRST project is operational at seven centres under ATARI, Jabalpur. During Jan-March, 2019 under the crop based module, total 26 villages, 386.01 ha area and 1414 household covered. Under horticulture based module, total 32 villages, 80.558 ha area and 823 household covered; under livestock based module 32 villages, 14095 (13460 animals,

635 poultry and 132 kg, fingerlings) and 649 household covered, under enterprise based module 32 villages and 457 household covered; under Integrated farming system module 22 villages and 14 household covered, under natural resource management module 26 villages, 382 ha area and 521 household covered, under ICT based module 18

villages, 333 messages delivered and 796 telephonic calls and 2533 household covered. This is new initiative to support farming community with latest

technology for making successful efforts for doubling the farmers income by 2022.



Technology Demonstration Component under NICRA by 12 KVKs

- ▶ Under natural resources management Module, a total of 381 farmers benefited by covering area of 134.5 ha in all activities focusing in-situ moisture conservation, soil-test based nutrient application, pitcher irrigation, vermi-compost making etc.
- ▶ Under crop production module, a total of 911 farmers benefited and covered 325.10 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 705 farmers benefited through covering 1098

animals and birds focusing the preventive vaccination, de-worming of animals and animal health camp and 31.50 ha area were covered.

- ▶ Under institutional interventions, in custom hiring through various implements - rotavator, multi-crop thresher and seed drill, etc. 342 farmers were benefitted and it covered 104.8 ha area.
- ▶ Under capacity building, total 34 training courses were organized benefitted 1060 participating farmers.
- ▶ As extension activity, a total of 72 activities were organized benefiting 1847 farmers.



Cluster Frontline Demonstrations on Oilseeds 2018-19 under NFSM

In CFLD during rabi 2018-19, total 1414.2 ha area covered with 2971 demonstration. However, in Madhya Pradesh, total 814.2 ha area covered with 1937 demonstrations. In mustard crop, area covered was 556.6 ha with 1313 demonstrations with an observed average yield of 16.32 q/ha. In linseed, area covered 237.6 ha with 584 demonstrations with an observed yield of 11.91 q/ha. In safflower, area covered 10 ha with 15 demonstrations with an

observed yield of 14.6 q/ha and in sesame 10 ha area with 25 demonstration with an observed yield of 5.8 q/ha by using technology like line sowing, seed treatment, INM, IPM, micronutrient and bio-fertilizer. All the demonstration sites have GPS coordinates.

Similarly in Chhattisgarh total area covered 600 ha with 1034 demonstration. In mustard crop 306 ha with 517 demonstration with an average yield

of 8.17 q/ha, linseed in 204 ha with 335 demonstration an average yield of 7.31 q/ha, sesame in 20 ha with 34 demonstration an average yield of 4.08 q/ha, safflower in 30 ha with 67 demonstration

with an observed average yield of 13.05 q/ha and in groundnut 40 ha with 81 demonstration an average yield of 13.04 q/ha respectively by using technology improved variety, GPS, line sowing, INM, IPM.



Cluster Frontline Demonstrations on Pulses 2018-19 under NFSM

In cluster Frontline Demonstration during 2018-19 in Rabi season, total 1450 ha area covered with 3588 number of demonstration in Madhya Pradesh. The Major crop demonstrated by Chickpea in 1180 ha with 2927 demonstration, Field pea in 40 ha with 100 demonstrations, Lentil in 230 ha with 561 demonstrations.

Similarly in Chhattisgarh, total 930 ha area covered with 2216 number of demonstration. Area covered under Chickpea 545 ha with 1325 demonstration,

Field pea 155 ha with 387 demonstrations, Lathyrus 90 ha with 196 demonstrations, Lentil 80 ha with 168 demonstrations, Pigeon pea 60 ha with 140 demonstrations.

The demonstration are being implemented through 67 KVKs. 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

More than two million farmers were covered through mobile advisories by 64 KVKs through 707 messages comprising the subjects of crop, soil, livestock, marketing, awareness etc. in the Zone IX during

January to March, 2019. 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.	20740	43354	7302233	500	248	33	51	45	24	67	32
C.G.	884	13887	1071125	207	130	5	20	7	1	29	15
Total	21624	57241	8373358	707	378	38	71	52	25	96	47

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.



Kadaknath Outreach Pathway meeting organized on January 10 & February 04, 2019 at ATARI, Jabalpur. In this meeting discusses and suggestions for further kadaknath farming and promoting; planning to create platform for Kadaknath producers and traders in the country to facilitate the spread of kadaknath in different states of country. Experts Consultation Workshop in Technology Application and Impact by KVK was held at ICAR-ATARI, Jabalpur January 28, 2019. The programme was inaugurated by Dr P. Das, former DDG, ICAR, New Delhi in presence of ICAR-ATARI, Ludhiana and Guwahati, during Inaugural speech, Dr. P. Das has narrated the journey of the KVK initiation and various issues for successful implementation and visible technological impact of the system. He further stressed that due to its effective works, KVK has been considered as the best options for agro-technology application for transformation Indian economy.

Organized Workshop on Large Scale Technology Adoption and Impact during February 04, 2019 at ATARI, Jabalpur. This meeting who had appealed all KVKs to present their presentation on large scale technology adoption along with its performance and impact and their technology disseminated at large scale in their operational area. A two days National workshop on "Promoting Healthy Diets Through Local Food System" was organized on 20th - 21st February, 2019 at the Le Meridian Hotel, New Delhi by NITI Aayog in collaboration with National Centre of Excellence all Advanced Research on Diets, Lady Irwin College and UNICEF India, In the Inaugural session, Hon'ble Secretary DARE & Director General, ICAR, New Delhi Dr. Trilochan Mohapatra, Dr. Anupa Sidhu, Director, Lady Irwin College. Smt. Preeti Sudan, Secretary, Ministry of Health and Family Welfare, Shri. Rakesh Shrivastava, Secretary Ministry of women and child development Shri Amitabh Kant, CEO, NITI Aayog and Dr. Yasmin Haque, Representative of UNICEF India inaugurate and address to the house in National Seminar were present. A two days workshop on "Use of ICT to Promote Nutrition Sensitive Agricultural Practices" was organized on February 26-27, 2019 at DRI, Chitakoot, Satna by ICAR-ATARI, Jabalpur & GIZ, New Delhi. The programme was inaugurated by Dr. Anupam Mishra, ICAR- ATARI in presence of Ms. Nidhi Ralhan, Project Coordinator, FaNS, GIZ. Zonal Monitoring Committee team under NICRA Project lead by Dr. N. Sudhakar, Ex-ZPD, Hyderabad as chairman, Dr. Pradeep Dey and other scientist visited KVK Morena and KVK Guna during March 13-14, 2019 in Madhya Pradesh state. Pradhan Mantri Kisan Samman Nidhi Programme was organized on February, 24, 2019 in 77 KVKs of Zone IX. The programme was also attended as Chief Guest by state minister, Hon'ble Member of Parliament, MLAs and other dignitaries. In this programme total 17879 farmers benefited. ICAR-ATARI organized International Women's Day on 8 March 2019 collaboration with JNKVV and Women and Child Development, Jabalpur Govt. of Madhya Pradesh.

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)

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