

ATARI

NEWSLETTER



ICAR-AGRICULTURAL TECHNOLOGY APPLICATION
RESEARCH INSTITUTE (ATARI), KANPUR

Volume No. 37

October-December, 2024

INDEX

1. Agro-Climatic Zone wise Action Plan-2025 & Mid Term Review Workshop of KVKs 2
2. Orientation of KVKs and ATARIs for PFMS under FOM project 4
3. Convergence Platform (CP) Meeting of CSISA-KVK Network Project 5
4. 3rd RAC meeting of ICAR-ATARIs at Hyderabad 6
5. Meeting of iGOT for all the ICAR institutes 6
6. Meeting on Natural Farming under the Chairmanship of Smt. Yogita Rana, Joint Secretary (INM), DA&FW 7
7. 11th IMC Meeting of ICAR-ATARI, Kanpur 8
8. IIIrd Phase of X MDP organized by ICAR-ATARI, Kanpur 9
9. Other Meetings/events organised during Oct to Dec 2024 10
10. KVK News 11
11. Quarterly Progress Report 15

From Director Desk



In this issue, I would like to state that this institute organized the important event of Agro-climatic zone wise Action Plan-2025 and Mid Term Review Workshop. The workshop served as the platform for reviewing the progress of various mandated activities of KVK, refining action plans, and aligning efforts to enhance agricultural practices through research, extension, and training for the farming community.

Convergence Platform (CP) meeting for wheat sowing under CSISA-KVK Network project, shared the experiences of best management practices adopted for wheat cultivation in Eastern and Central Uttar Pradesh during previous years (2023-24) and also finalized the appropriate messages of best practices for further spread in the state by different stakeholders during the *Rabi* season 2024-25.

This institute also participated in different events/meetings as 3rd RAC meeting of ICAR-ATARIs at Hyderabad to discuss and finalize the eight new research projects based on the interventions/activities of 731 KVKs across the country. Another meeting on Natural Farming was held under the Chairmanship of Smt. Yogita Rana, Joint Secretary (INM), DA&FW. Discussions were made on agenda, outlining the role and activities of Agriculture Extension Division, ATARIs and KVKs, budget allocation, and tentative timelines of activities that are planned. Also organized 11th IMC Meeting and IIIrd Phase of X MDP.

This issue of Newsletter also includes KVK News for wider glimpses of KVK activities in the Zone.

It is our privilege to bring the current 37th issue of Institute Newsletter before you.

(Shantanu Kumar Dubey)
Director



Agro-Climatic Zone wise Action Plan-2025 & Mid Term Review Workshop of KVKs

ICAR-ATARI, Kanpur organized different Agro-Climatic zone wise Action Plan-2025 and Mid Term Review Workshop of KVKs in virtual mode during the months of October and November, 2024

Eastern Plain Zone (Group 1)

For the first group i.e. Eastern Plan Zone the meeting was organized during the period from 22.10.2024 to 24.10.2024. All the sessions were chaired by Dr. Shantanu Kumar Dubey, Director, ICAR-ATARI Kanpur, Dr. Raghwendra Singh PS (Horticulture), Dr. Seema Yadav Scientist (LPM), ICAR- ATARI, Kanpur, Zone-III and Dr. R. R. Singh Additional Director Extension ANDUAT, Ayodhya were the Co-Chairman in this sessions. Total 17 KVKs presented their work progress & Action Plan 2024-25.

The programme was started with welcome address by the Dr. S.K. Dubey, Director, ATARI, Kanpur and he emphasized OFTs must be in accordance with farmers' needs. All the relevant technical parameters ought to be included in all demonstrations. Farmers practice must be mentioned in detail. The Technologies and varieties selected under OFT and FLD should not be more than 10 years old.



South Western Semi Arid Zone & Central Plain Zone (Group 2)



The review meeting for the second group (South Western Semi Arid Zone & Central Plain Zone) was organized during the period from 28.10.2024 to 30.10.2024. The event was inaugurated by Dr. Shantanu Kumar Dubey, Director of ICAR-ATARI, Kanpur, who emphasized the need for the KVKs to develop detailed action plan aimed at maximizing the impact of their agricultural interventions. He specifically urged the KVKs to focus on setting up On-Farm Trials (OFTs) and scaling up demonstrations of newly released agricultural technologies. He also highlighted the importance of creating awareness among farmers about the latest innovations to boost productivity and sustainability in farming.

In this session Dr. S. K. Dubey, Director ATARI, Kanpur was the chairman; Dr. Raghawendra Singh, Principal Scientist (Horticulture) and Dr. Seema Yadav, Scientist (Livestock Production Management) ATARI, Kanpur was the co-chairperson and Rohit Kumar Sengar, Mohil Kumar and Kunwar Akhand Pratap Singh were rapporteurs. In this session eight (8) KVKs of South Western Semi Arid Zone and sixteen (16) KVKs of Central Plain Zone were presented their progress for the year 2023-24 & action plan for 2025. The workshop served as a platform for reviewing the progress of various mandated activities of KVK, refining action plans, and aligning efforts to enhance agricultural practices through research, extension, and training for the farming community.

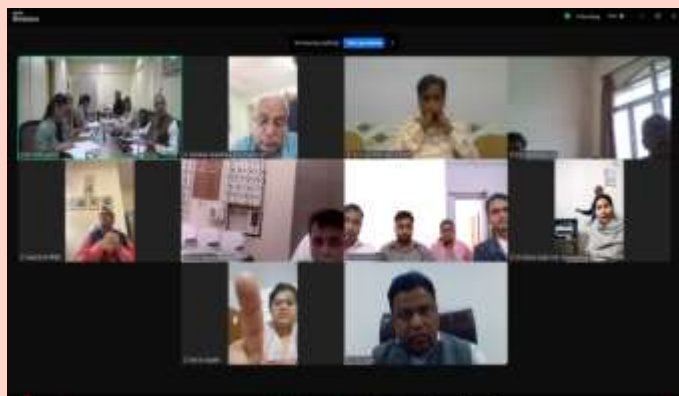
For every KVK the house has concluded to perform OFTs as per the approved & submitted action plan of 2024 & to repeat these OFTs & FLDs of the action plan for the year 2025, so that large data sets can be obtained for analyzing the results & proper testing of technologies.

Also, all photographs should be provided with geo tags specifically showing comparison between farmer's practice and intervention.

ON FARM TRIAL-2024							
Title		Assessment of value addition of cauliflower leaves as food supplement					
Crop: cauliflower - Area in District - 2750 ha (Problem - 70%) Thematic area: value addition Farming situation: Irrigated PK: unexploited potential of otherwise considered waste cauliflower leaves.							
Problem identified	Technology Assessed	Technology Option	Technology Observation	No. of trials	Result 5 Products developed and its nutritional value (mg/10 gram)		
1. Untapped potential of otherwise considered waste cauliflower leaves. 2. Potential to improve diet among farm women	Cauliflower leaves powder Technology A: Year 2023, 2024	Technique: 1. 3% and 10 % dried leaf powder has been added to products (100 g) 2. Organoleptic evaluation of product using 9 point hedonic scale 3. Nutritional evaluation of developed products was calculated by Food Composition Tables recorded by IIT.	Organoleptic evaluation Nutritional evaluation	10	Products	Iron content	Ranking
					Faru	4.25	II
					Laddo	2.97	IV
					Musuri	5.37	I
					Kachari	2.52	V
					Sav	3.72	III



(Iron content was found higher in dried vegetable powder (5.37mg) in 10 %)



The programme was started with opening remarks by Dr. S.K. Dubey, Director, ATARI, Kanpur, Zone-III who emphasized that the result of OFTs to be made generalizable. The results of KVK activities especially OFTs and FLDs must be in accordance with the approved action plan of the given year i.e. 2024. Finalized technical parameters must be included in report of all the trials and demonstrations. Farmer's practice must be objectively mentioned. The technologies and varieties under OFTs and FLDs should not be more than 10 years old.

Bhabar & Tarai, Western Plain and Mid Western Plain Zones (Group 3)



To review the mandated activities of the third group, Bhabar & Tarai, Western Plain and Mid Western Plain Zones workshop was organized during the period from 13.11.2024 to 14.11.2024. The sessions in this workshop were chaired by Dr. Shantanu Kumar Dubey, Director, ICAR-ATARI Kanpur, Dr. Raghwendra Singh PS (Horticulture), Dr. Seema Yadav Scientist (LPM), ICAR-ATARI, Kanpur and Dr. P.K. Singh, Director Extension SVPUAT, Meerut were the Co-Chairman in this session. Total 24 KVKs presented their work progress & Action Plan 2024-25.

Bundelkhand Zone, North Eastern Plain Zone and Vindhyan Zone (Group 4)

Fourth group included Bhabar & Tarai, Western Plain and Mid Western Plain Zones, for which review meeting was organized during the period from 26.11.2024 to 28.11.2024.



All the sessions were chaired by Dr. Shantanu Kumar Dubey, Director, ICAR-ATARI Kanpur. Dr. Raghwendra Singh PS (Horticulture), Dr. Seema Yadav Scientist (LPM), ICAR-ATARI, Kanpur, Zone-III, Dr. N.K. Bajpai, Director (Extension) and



Dr. N.K. Bajpai, DE, BUAT, Banda were the Co-Chairman in this session. Total 24 KVKs presented their work progress & Action Plan 2024-25.

The programme was started with introductory remarks by Dr. S.K. Dubey, Director, ATARI, Kanpur, who emphasized the points that results of OFTs need to be generalized. The OFTs must be in accordance with farmers' need and situations. Technical parameters should be included in all demonstrations. Farmers practice must be objectively mentioned. The technologies and varieties under OFTs and FLDs should not be more than 10 years old. Also, the common OFTs designed for the neighboring KVKs in a given agro-climatic zones need to be religiously done.

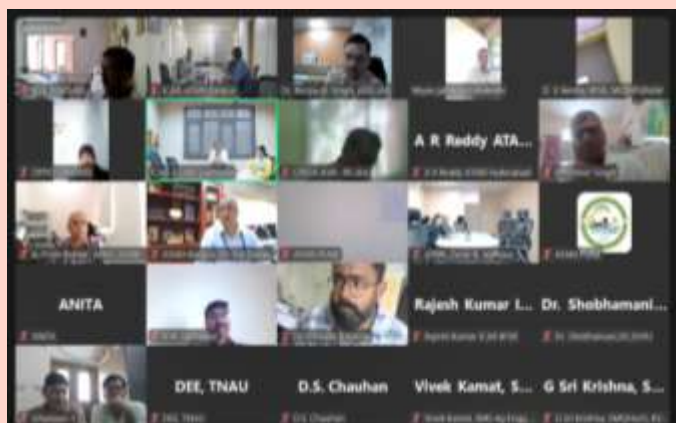
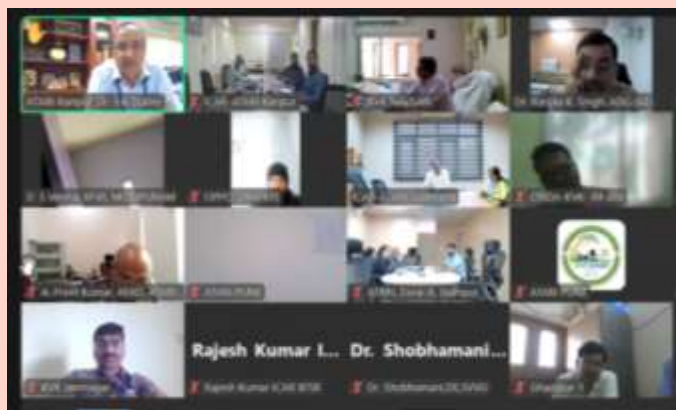
Orientation of KVKs and ATARIs for PFMS regarding FOM project

On 24.10.2024, an online meeting was organized by the Division of Agricultural Extension (AE), ICAR, New Delhi to orient Krishi Vigyan Kendras (KVKs) and Agricultural Technology Application Research Institutes (ATARIs) on the Public Financial Management System (PFMS) under the Fermented Organic Manure (FOM) Project. The meeting was chaired by Dr. Ranjay Kumar Singh, Assistant Director General (AE), ICAR, New Delhi. Participants included officials from ATARIs and KVKs associated with the FOM Project. From ICAR-ATARI, Kanpur, the meeting was attended by Dr. S.K. Dubey, Director; Dr. Seema Yadav, Scientist

(LPM); and Ms. Neetha Joy, Assistant Finance & Accounts Officer (AFAO). Heads & Nodal Officers of KVKs implementing the FOM Project also joined the meeting.

The purpose of the meeting was to provide a detailed orientation on the PFMS framework and its integration within the FOM Project. In meeting the team of DoF guided all the ATARIs and KVKs on how to move ahead on PFMS creation and linkages with CSNA of DoF who are part of FOM Project. The meeting was organized to provide guidance on stepwise process and further follow-up actions on how to operate and execute the PFMs in FOM project.

The meeting aimed to enhance the financial management capacity of participating institutions, ensuring compliance with the PFMS guidelines. Emphasis was laid on achieving efficiency, transparency and accountability in managing project funds.



Convergence Platform (CP) Meeting of CSISA-KVK Network project



On 05.11.2024, one day Convergence Platform (CP) meeting for *rabi* (wheat) sowing was organized at ICAR-ATARI, Zone-III, Kanpur in hybrid mode under the aegis of CSISA-KVK Network project. The main purpose of the meeting was to share the experiences of best management practices adopted for wheat cultivation in Eastern and Central Uttar Pradesh during 2023-24 and also share the appropriate messages of best practices for further spread in the state by different stakeholders during the *rabi* season 2024-25.

The meeting commenced with a formal welcome of all guests by Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur. Dr. Dubey emphasized the importance of combining technology with management components for the ensured sustainability of rice-wheat system in Eastern UP. He also highlighted the potential of the partnership between ICAR, KVK and CSISA to generate evidence-based findings and thus guiding the research and extension paradigms.

The meeting focused on agricultural technology and management strategies to improve crop yields, particularly for rice and wheat systems in Eastern India. Discussions covered topics such as nutrient management, irrigation, mechanization, and the importance of integrating research and extension efforts to address yield gaps and adoption challenges.

Dr. R.K. Malik, CIMMYT gave detailed presentation on important interventions of wheat crop. He focused on the need for consensus in research and extension by citing the example of increasing wheat productivity in Uttar Pradesh. He emphasized the need for all stakeholders to agree on key issues and implement them consistently to achieve desired outcomes.

Dr. R.R. Burman, ADG (AE), ICAR, New Delhi virtually participated in the meeting. He discussed the potential for scaling up this technology to larger areas and the importance of managing time of paddy transplanting and wheat sowing. He discussed the establishment of an Monitoring Evaluation and Learning (MEL) cell at the ICAR level to understand adoption patterns and yield gaps and the potential of such project in realizing the on-station researches and field extension priorities. Dr Sanjay Singh, DG, UPCAR, Lucknow discussed the trend of decreasing use of certain rice varieties and the potential for improving time management in agriculture. He emphasized the importance of nutrient management, irrigation, and mechanization in improving agricultural productivity.

Dr. Sugandha Munshi from International Rice Research Institute (IRRI) gave detailed presentation on gender mainstreaming. Dr. Munshi discussed the importance of the convergence platform in delivering real-time services to farmers, creating a healthy ecosystem, and generating evidence. She highlighted the platform's ability to reach both male and female farmers with the right information.

Meeting ended with vote of thanks from Dr. Seema Yadav, Scientist (LPM), ICAR-ATARI, Kanpur.



3rd RAC meeting of ICAR-ATARIs at Hyderabad



On 19th & 20th Nov. 2024 Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur and Dr. Raghwendra Singh, PS (Horti), ICAR-ATARI, Kanpur participated in 3rd meeting of the Research Advisory Committee (RAC) of ICAR-Agricultural Technology Application Research Institutes organized by ICAR-ATARI, Zone X, Hyderabad at ICAR-National Academy of Agricultural Research Management, Hyderabad. The meeting was organized to discuss and finalize the eight new research projects based on the interventions/activities of 731 KVKs across the country.

Dr P. Das, former Deputy Director General (AE), ICAR, along with a six-member delegation, thoroughly discussed various research project proposals. These included topics such as climate change perception and adoption strategies, mainstreaming non-productive cattle, the impact of Cluster Front Line Demonstrations on oilseeds, the digital transformation of KVKs, the tangible and intangible benefits of the Farmers FIRST project, impact assessment of FPOs on agribusiness management, and the farmers' participatory approach to promoting zero varietal gap in Western India.

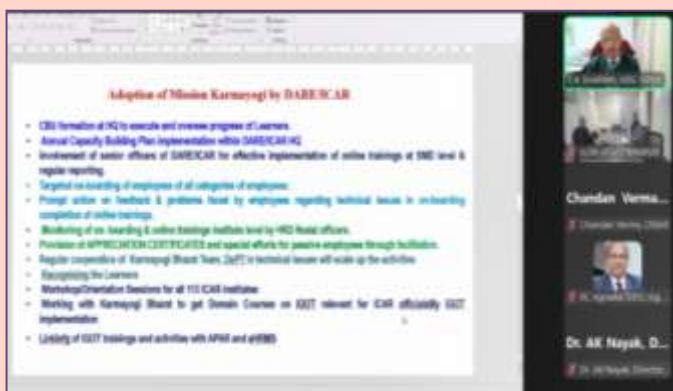
Dr. Raghwendra Singh, Principle Scientist (Horti), ICAR-ATARI, Kanpur made presentation of project proposal of 'Climate Change perception and local

adaptation strategies at household level across the IGP's in India.' The presentation of ICAR-ATARI, Kanpur was appreciated.

Suggestions and modifications were given by the Chairman and members of RAC for fine-tuning the research projects for implementation over the next two years.



Meeting of iGOT for all the ICAR institutes



On 12.12.2024 an online meeting was organized under the Chairmanship of Dr. R.C. Agrawal, Deputy Director General (Ag. Education) to discuss about the on-boarding of all employees of ICAR-Institutes/HQs on i-GOT Karmayogi platform. All the Directors and HRD Nodal Officers, & Scientists of ICAR-Institutes, participated in the meeting. From ICAR-ATARI, Kanpur Dr. S.K. Dubey, Director; Dr. Raghwendra Singh, PS (Horti) & Dr. Seema Yadav, Scientist (LPM) participated in the meeting.

Dr. R.C. Agrawal, Deputy Director General (Agril. Edn.), ICAR said that Mission Karmayogi is the largest Government led on-line training platform and all employees of different Institutes of ICAR should on-board on iGOT platform and take advantages of different competency-based training programmes.

Dr. S.K. Sharma, Assistant Director General (HRM) and Nodal Officer (iGOT), ICAR made a presentation on implementation of Mission Karmayogi and iGOT at DARE/ICAR: Status activities and action plan.

Ms Nidhi presented about operational ecosystem of MDO. She briefed about the content creation, review and publish the curated courses on iGOT platform. She told that contractual staff can also be onboarded from the gmail account by MDO Leader. She presented different features of iGOT Karmayogi Platform, important for learners and MDO.

Dr. N.K. Jain, Principal Scientist, HRM Division, ICAR extended vote of thanks to the Chair, Directors, HRD Nodal Officers and all the participants.



Participation in the meeting on Natural Farming under the Chairmanship of Smt. Yogita Rana, Joint Secretary (INM), DA&FW

On 13.12.2024, a VC meeting under the Chairmanship of Smt. Yogita Rana, Joint Secretary (INM), DA&FW with Agricultural Extension Division, ICAR & 11 ATARIs was organized to discuss the various issues pertaining to the National



Mission on Natural Farming (NMNF). Ms Rachna Kumar, Deputy Secretary (INM), DA&FW, Dr. U.S. Gautam, DDG (AE), Dr. R.R. Burman, ADG (AE) and All ATARI Directors were present in the meeting. From ATARI Kanpur Dr. S.K. Dubey, Director; Dr. Raghendra Singh, PS (Horti) and Dr. Seema Yadav, Scientist (LPM) participated in the meeting.

In the meeting Joint Secretary (INM) presented the agenda, outlining the role and activities of Agriculture Extension Division, ATARIs and KVKs, budget allocation, and tentative timelines of activities that are planned under NMNF. DDG (Agri. Extension) directed all ATARI Directors to revise their Annual Action Plans. He also directed them to engage with respective State/UT officials regarding NMNF for the initial implementation activities including training at CoNF, awareness generation activities. It was discussed in the meeting that budget for training activities at NF model demonstration farms will be routed through respective ATARIs, ATARIs will coordinate with KVKs for identification of two scientists (preferably Subject Matter Specialist for Agronomy/ Soil Science/ Plant Protection) from each KVK for training at Centres' of Natural Farming, ATARIs will nominate 1 Nodal Person to coordinate with the INM Division, DA&FW, till the deployment of Young Professional for NF, State and district wise recent development in KVKs regarding NF including details of training & orientation of farmers, NF model demonstration farms KVKs developed, etc will be shared with INM Division, DA&FW by 24th December 2024.



Online 11th IMC Meeting of ICAR-ATARI, Kanpur



Dr. Raghwendra Singh, PS (Hort.), Dr. Seema Yadav, Scientist (LPM) & Shri S.N. Yemul, Chief Technical Officer of ICAR-ATARI, Kanpur were the special invitees.

Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur and Chairman extended warm welcome to the Members of the IMC. Thereafter, the agenda items were put up before the Members and briefed by Director, ICAR-ATARI, Kanpur. After briefing the agenda items a Power Point Presentation was made by

Dr. Raghwendra Singh, PS (Hort.), ICAR-ATARI-Kanpur regarding the Annual Progress reports and Technical Achievements of ICAR-ATARI, Kanpur for the year 2023. After the presentation, the Director, Dr. S.K. Dubey, briefed about the Ongoing Projects of ATARI & proposed New In-house Projects of ATARI to the Members. After that Sh. Raman Tripathi, AAO briefed about the Financial Agenda to the Members.



1	Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur	Chairman
2	DDA (Farm) Nominated by Director(Agriculture), Directorate of Agriculture, Krishi Bhawan, Madan Mohal Malviya Marg, Lucknow, (UP)	Member
3	Dr. Sultan Singh, Pr. Scientist (Animal Nutrition) ICAR- IGFRI, Jhansi	Member
4	Dr. Uma Sah, Pr. Scientist (AE), ICAR-IIPR, Kanpur	Member
5	Dr. Lipi Das, Pr. Scientist (H.S.Extn.), ICAR-CIWA, Bhubaneswar Odisha	Member
6	Dr. Aditya Dwivedi, Pr. Scientist, (Agronomy),Member ICAR-IISR, Lucknow (UP)	Member
7	Dr. Ranjay Kumar Singh, ADG (Agril. Ext), ICAR, New Delhi	Member
8	Shri Gaurav Srivastav, Finance & Accounts Officer, ICAR-IIVR, Varanasi	Member
9	Shri Raman Tripathi, Assistant Administrative Officer	Member Secretary



IIIrd Phase of X MDP organized by ICAR-ATARI, Kanpur

From 27.12.2024 to 31.12.2024, ICAR-ATARI, Kanpur organized the III phase of the X Management Development Program (MDP) aimed at training the Heads of two KVKs. The participants included:

- Dr. Rajeev Kumar Singh, Sr. Scientist & Head, KVK Hamipur
- Dr. Mandhata Singh, Sr. Scientist & Head, KVK Deoria

Dr. Raghwendra Singh, Principle Scientist (Horti), Dr. Seema Yadav, Scientist (LPM) and newly joined Principle Scientist (Agro) Dr. Ajay Kumar Singh provided training on different topics of MDP & guidance to both MDP Trainees. AFAO & AAO of ICAR-ATARI,

Kanpur also gave presentation for training regarding financial and administrative matters. Dr. Raghwendra Singh told the trainees that this phase of the MDP focused on enhancing the managerial skills of KVK Heads, equipping them with the knowledge and strategies needed to improve the effectiveness of agricultural extension services in their respective regions.

On 30.12.2024, an online meeting was organized with all KVKs across Uttar Pradesh for sharing the experiences and insights of X MDP training from the Dr. Rajeev Kumar Singh & Dr. Mandhata Singh. They made detailed presentation regarding their experiences. This online meeting provided an excellent platform for the participants to discuss their learnings, challenges faced, and successful strategies implemented during the program.





Other Meetings/events organised during Oct to Dec 2024

S.N.	Date	Activity
1	03.10.2024	Online participation in Interaction meeting with ATARI Directors organized under chairmanship of DDG (AE)
2	04.10.2024	Online participation in KVK Impact Acceleration Series (Presentation 3) organized by ICAR-ATARI, Hyderabad
3	04.10.2024	Online meeting on Review of Skill Development Training Programme
4	04.10.2024	Online participation in review meeting regarding adoption of two villages by KVKs
5	07.10.2024	Online meeting on discussion on Institutional project entitled as " Livestock Feeding Practices in different agro-climatic zones of Uttar Pradesh" organized by ICAR-ATARI, Kanpur
6	08.10.2024	Online meeting on Release of funds under CFLD Oilseed and Pulses organized by ICAR-ATARI, Kanpur
7	09.10.2024	Online participation in RKVY Review Meeting
8	10.10.2024	Online participation in KVK Impact Acceleration Series (Presentation 4) organized by ICAR-ATARI, Hyderabad
9	15.10.2024	Online participation in Meeting with Finance Officers/AO PFMS and USB tips and solutions organized by AE Div, ICAR, New Delhi
10	18.10.2024	Online participation in KVK Impact Acceleration Series (Presentation 5) organized by ICAR-ATARI, Hyderabad
11	25.10.2024	Participation in Mega Farmers' day in Raebareli
12	25.10.2024	Online participation in KVK Impact Acceleration Series (Presentation 6) organized by ICAR-ATARI, Hyderabad
13	26.10.2024	Participation in CRM Project Meeting at CSSRI Karnal
14	04.11.2024	Online participation in KVK Impact Acceleration Series (Presentation 7) organized by ICAR-ATARI, Hyderabad
15	08.11.2024	Online participation in KVK Impact Acceleration Series (Presentation 8) organized by ICAR-ATARI, Hyderabad
16	14.11.2024	Participation in meeting of ICAR Regional Committee IV.
17	14.11.2024	Online participation in KVK Impact Acceleration Series (Presentation 9) organized by ICAR-ATARI, Hyderabad
18	22.11.2024	Online participation in KVK Impact Acceleration Series (Presentation 10) organized by ICAR-ATARI, Hyderabad
19	29.11.2024	Online participation in Meeting on Implementing FOM project and it's activities in Rabi season by KVKs under the chairmanship of DDG (AE)
20	29.11.2024	Online participation in KVK Impact Acceleration Series (Presentation 11) organized by ICAR-ATARI, Hyderabad
21	03.12.2024	Online meeting on Discussion on questionnaire based on Institutional Project of "Livestock feeding Practices" organized by ICAR-ATARI, Kanpur
22	05.12.2024	Visit to KVK Varanasi to overview the activities of KVK
23	06.12.2024	Online participation in KVK Impact Acceleration Series (Presentation 12) organized by ICAR-ATARI, Hyderabad
24	13.12.2024	Online participation in KVK Impact Acceleration Series (Presentation 13) organized by ICAR-ATARI, Hyderabad
25	16.12.2024	Online participation in A talk on 'Best Practices for Project Formulation' by Dr Himanshu Pathak, Secretary DARE and DG ICAR
26	18.12.2024	Participation in Meeting for Financial Matter regarding CFLD Pulses
27	20.12.2024	Online participation in KVK Impact Acceleration Series (Presentation 14) organized by ICAR-ATARI, Hyderabad
28	20.12.2024	Online meeting of IRC 2024 to discuss the progress and action plan of different research projects of ICAR-ATARI, Kanpur
29	20.12.2024	Online participation in Meeting with Bayer and 7 ATARIs organized by Division of Agril. Ext. ICAR, New Delhi
30	20.12.2024	Online participation in NAAS Brainstorming Session on "Climate Adaptive Conservation of Aquatic Genetic Resources"
31	22.12.2024	Natural Farming workshop in Varanasi organized by ICAR-ATARI, Kanpur
32	27.12.2024	Online participation in KVK Impact Acceleration Series (Presentation 15) organized by ICAR-ATARI, Hyderabad
33	27.12.2024	Online participation in Meeting under the Chairpersonship of Secretary, DA&FW with Secretary (Agriculture) of all State/UTs regarding National Mission on Natural Farming





KVK News

KVK Bareilly

During the period under report, KVK Bareilly conducted total 13 programmes as follows –

- Krishi Vigyan Kendra (KVK) Bareilly in collaboration with Baroda Swarojgar Vikas Sansthan organized a program on Agricultural Entrepreneurship Development (Agri Junction) from 1/10/2024 to 15/10/2024 to create awareness among unemployed youth about the latest agricultural technologies for *Kharif* and *Rabi* crops at Baroda Swarojgar Vikas Sansthan (RSETI), Bareilly.
- Organized a Kisan Ghoshti in collaboration with Baroda Swarojgar Sansthan Bareilly on October 3, 2024 at Nasheman Colony Bareilly. The event was aimed at equipping farmers with the latest knowledge and practices in pest and disease management for fruit crops. A total of 30 farmers participated in the program, where KVK experts highlighted the common pests and diseases affecting fruit crops, their symptoms, and prevention methods.
- On 7 October 2024, a district-level awareness program on crop residue management was held at the IVRI Auditorium, Izatnagar, Bareilly, by the State Department of Agriculture in collaboration with Krishi Vigyan Kendra (KVK), Bareilly. The event highlighted the negative impacts of stubble burning on soil and environment, and promoted sustainable solutions like happy seeder, smart seeder, zero till drill, and waste decomposers. A total of 275 participants (215 men and 60 women) attended the program, which emphasized improving soil health, reducing fertilizer use, and lowering cultivation costs. Smt. Rashmi Patel, President of Zilla Parishad, Bareilly, served as the chief guest, encouraging farmers to adopt sustainable residue management practices.
- A one-day training program on soil and mineral management was conducted on October 7, 2024 under the RSETI, BOB initiative. Mrs. Vanee Yadav (Technical Officer) provided training to 45 unemployed youth with in-depth knowledge on soil formation, processes, organic and natural farming. The program aimed to empower participants for agribusiness and agri-clinic ventures.
- To honour and acknowledge the contribution of women in farming, KVK-IVRI, has organised an interactive meeting with women at KVK auditorium to celebrate Kisan Mahila Diwas in collaboration with the State Agriculture Department on 15 October 2024. The program witnessed the participation of 150 female farmers, along with SHGs and FPOs.
- On October 19, 2024, a lecture on "Bonsai Making and Vertical Gardening" was delivered by Dr. Ranjeet Singh (SMS) from Krishi Vigyan Kendra, ICAR-IVRI, Bareilly, at the Plant Science Department of Invertis University, Bareilly. The session, attended by 85 students (50 male and 25 female), provided theoretical knowledge and practical demonstrations on bonsai creation and vertical gardening techniques, aiming to inspire sustainable and aesthetic gardening practices.
- A three-day on-campus training on "Entrepreneurship Development in Dairy Farming" was held during October 16–18, 2024 with 33 participants. Experts motivated participants to adopt scientific dairy farming practices for better productivity. On October 25, an off-campus training on backyard poultry farming was conducted in SimaraAjum Begum, attended by 13 farmers.
- Participated in the exhibition organized during the Kukkut Mela at CARI, Bareilly on November 8, 2024. The exhibition highlighted advanced IVRI technologies to promote poultry farming and was attended by 349 farmers including 250 males and 99 females.
- Celebrated World Fisheries Day 2024 on the theme "India's Blue Transformation: Strengthening Small-Scale and Sustainable Fisheries" at its auditorium. A total of 23 farmers from different villages participated in the celebration. Experts highlighted the significance of sustainable aquaculture practices and their vital role in enhancing the livelihoods of fisherfolk.





- Participated in the one-day Master Trainers Training Programme (*rabi* 2024-25) on November 27, 2024, at NIC, Bareilly along with 15 others master trainers from various department. The program focused on enhancing the production and productivity of Rabi crops like wheat, pulses, and oilseeds by adopting scientific practices such as IPM, INM, and pest management.
- On November 30, 2024, KVK experts Dr. Ranjeet Singh, Dr.Shardul Vikram Singh and Mrs. Vanee Yadav participated in the District-Level Farmers' Seminar on Horticulture, held at Udyan Park, Deendayal Puram, Bareilly. The seminar attended by 200 participants (150 male and 50 female), focused on modern horticultural practices.

- Organized a Kisan Goshti on December 4, 2024 at Panchayat Ghar, VeerpurMakruka, Bhojipura, with the participation of 32 farmers. During the program, KVK expert emphasized the adoption of biological and mechanical crop residue management practices to improve soil health and crop productivity.
- One on-campus awareness training programme was organised by KVK on "Career Opportunities in Veterinary Research and Education" at auditorium of KVK on 5thDecember 2024. The event was attended by 103 students (59 boys and 44 girls) and three teachers from High School, Rampur. The KVK expert aimed to raise awareness among students about career prospects in veterinary sciences including research and education.





KVK News

KVK-II, Hardoi

During the reporting period, KVK Hardoi-II conducted 22 activities, engaging 1,879 farmers and farm women. Village-level awareness programs on crop residue management were held in Sarwa, Sursa, and Pawayan, with 80 participants. Six training programs were organized, benefiting 178 farmers, while two block-level awareness programs on crop residue management involved 536 participants. KVK Hardoi-II actively participated in a five-day Krishi Mela at Bilgram Chungi, Hardoi, by setting up an informative stall. On 5th December, World Soil Day was celebrated with the theme “Caring for Soil—Measure, Monitor, and Manage,” where 137 farmers participated, and 35 soil health cards were distributed. Additionally, on 7th December, a live telecast of *Kisan Chaupal* was organized, which was viewed by 386 farmers. Additionally, during this period, KVK Hardoi-II adopted two villages, Sarwa and Pawayan, under the Model Village Programme. Various activities were actively conducted in these villages to promote sustainable agricultural practices and farmer welfare. The KVK implemented 517 Frontline Demonstrations on cereals, oilseeds, vegetables and pulses covering 48.05 hectares. Additionally, three on-farm trials were conducted with 25 farmers over 1.0 hectare. Advisory services through mobile platforms, the Kisan Saarthi portal, and social media reached 71,665 farmers. Production highlights include 75 quintals of cereals, 0.2 quintals of pulses, and 5,613 planting materials.



Block-level awareness program under CRM on 07.12.2024



World Soil day celebration at KVK Hardoi-II on 05.12.2024

KVK, Kaushambi

KVK, Kaushambi implemented 4 OFTs in different agri-allied sectors, in which “Assessment of Sex Sorted Semen in Dairy animals”, “Assessment the effect of Cultivation of Papaya crop at 8x6 ft. distance with adopting polymulch technology”, “Assessment the efficacy of recommended dose of fertilizers with zinc 4.5kg/hectare + 3 Application of boron combination with zinc to get higher yield and good quality of Potato” and “Assessment the effect of IDM module for minimize the disease incidence of common scab and black scurf of potato and improve the quality” engaging 38 farmers.

Along with these, KVK also conducted FLDs- Wheat (Improved Variety-HD-3226) in 6 ha with 24 farmers, Vegetable Pea (variety- Kashi Angeti) in 2 ha with 8 farmers and availability of green feed fodder through out whole year for dairy animals in 1 ha with 4 farmers. FLD on Use of Multigrain Flour (1kg wheat+60g Bajra+60g maize+60g jwar+60g soyabean) 300g/day for 3 months with 10 farm women. Supplementary diet (RTE) for 3 year children (10). Under CFLD programme- Mustard (variety- Brijraj) in 30 ha with 90 farmers with technology ICM (Seed treatment, Line sowing, Proper management practices).

To create the awareness about the performance of the hybrid crops among the farming community, KVK organized two field day programmes with 33 farmers for crop- Bajra and Hybrid Paddy at village- Amni Loukipur and Korav khas.

A total of 181 field visits and advisory for soil, crop management, animal sector, plant protection, and Kitchen garden etc., and 102 mobile advisory messages & calls given by KVK scientist.

KVK organized 24 training programme, on and off campus for 559 farmers, farm women & rural youth. Under extension activities and special programme, KVK organized animal health camp



KVK News

KVK-II, Sitapur-II

cum awareness programme with focus on healthcare and treatment for animals. A total number of 48 livestock were treated and vaccinated at village Dewra, Block Mooratganj. KVK celebrated Mahila Kisan Diwas at KVK campus and honored the progressive women farmers for different farm activities and achievement. The live webcast programme showed at center for farmers on PM KISAN SAMMAN NIDHI – 18 installment fund release and Hon'ble Prime Minister's address from Washim Maharashtra on 05/10/2024. Total 61 farmers attended with KVK staff personals. On 05 Dec. 2024, KVK celebrated the World Soil Day at village Baigwa Fatehpur Block Bara with 34 participants. KVK has analyzed 26 soil samples and distributed soil health cards to farmers.

During past three months KVK-II, Katiya, Sitapur conducted 3 OFTs with 15 farmers and 8 FLDs on cereals, pulses, oilseeds, horticultural crops, livestock, nutrition garden and others with 105 farmers. Total 16 training programs has been conducted on various topics during 1st October to 09th December, total 309 farmers and 48 farm women has been participated. *Kisan Gosthies* (06) has been organized to provide knowledge to the farmers related to agriculture and allied sectors, in which total 162 farmers and 73 farm women has been participated. During these three months, 05 field days has been conducted in that 29 farmers and 38 farm women has been participated. To promote natural farming 06 awareness program and 01 workshop has been conducted, having participation of 200 farmers and 40 farm women.

A total of 21 farmers' field visit of scientists conducted, targeting interaction with 94 farmers and 35 farm women.

Total 162 farmers and 46 farm women visited KVK to get updates about new scientific technologies related to agriculture and also to know about the new schemes of government related to seed production, food processing, post-harvest management etc to start small enterprises.

Apart, 20 other extension activities were also organized by KVK-II, Sitapur in that total 1547 farmers and 365 farm women has been participated. Besides this, 30 students from Integral University Lucknow, 43 students from RRP College Amethi, 19 Students from Banda University of Agriculture and Technology and 09 students from CBG College Lucknow have been completed their *RAWE* program at KVK-II, Sitapur.

Special campaign 4.0 under swachtha activities has been organized from 02nd October to 31st October 2024 in that all the labs, admin block buildings and nearby surrounding places were cleaned. In collaboration with NBFGR, Skill up gradation program on





entrepreneurship development through Ornamental fish culture was conducted under SCSP plan, 75 farm women participated. Other than that survey work also has been completed in 03 villages of Biswan block namely Padariya, Marsanda and Oripur engaging 24 farmers under the project on existing feeding practices for dairy animals among bovine keepers in different Agro climatic zones of UP.



Quarterly Progress Report (Oct-December, 2024)

S.No.	Activities	Achievements
1.	On- Farm Trials Conducted (Nos.)	24
2.	Frontline Demonstrations Conducted (Nos.)	2611
3.	No. of Farmers and farm women Trained (Nos.)	3031
4.	No. of Extension Personnel Trained (Nos.)	436
5.	Production of Seeds (in Quintals)	3135.60
6.	Production of Planting materials (in lakh)	1.87
7.	Production of livestock strains and fingerlings (in lakh)	6.85
9.	Soil and water samples tested (Nos.)	389
10.	No. of Farmers provided mobile agro-advisory (in lakh)	08.43
11.	No. of Farmers and other stakeholder benefitted through various Extension Activities (in lakh)	0.23





NATIONAL AND ICAR FLAGSHIP PROGRAMMES OF ICAR-ATARI (ZONE-III)

National programme

1. Cluster Frontline Demonstrations (CFLD) on Pulses and Oilseeds (DAC, GOI)
2. Crop Residue Management (CRM) Project (DAC, GOI)
3. Cereal Systems Initiatives for South East Asia (CSISA-KVK Network)
4. District Agro-Meteorology Unit (DAMU)
5. National Mission on Natural Farming (NMNF)
6. Agril. Drone
7. Agriculture Skill Council of India (ASCI Programme)

ICAR Flagship Programme

1. Farmer FIRST (Farm, Innovations, Resources, Science and Technology)
2. Tribal Sub Plan/Knowledge system & Home Stead Agricultural Management in Tribal Areas and Scheduled Caste Sub Plan (TSP/KSHAMTA and SCSP)
3. National Innovation on Climate Resilient Agriculture (NICRA Project)
4. Mera Gaon Mera Gaurav (MGMG)
5. Nutrition-sensitive Agricultural Resources and Innovation (NARI)
6. ARYA programme

ICAR-Agricultural Technology Application Research Institute (ATARI) Zone-III

(ISO 9001:2015 Certified)

GT Road, Rawatpur, Kanpur-208002 (Uttar Pradesh) INDIA

Phone: 0512-2533560, 2550927

Web: <https://atarikanpur.icar.gov.in>

Email: atari.kanpur@icar.gov.in, zpdicarkanpur@gmail.com



Publication Committee

Shantanu Kumar Dubey, Raghwendra Singh, Seema Yadav, Yemul Sanjeev N.

Technical Assistance

Rashmi Devi, Fareed Ahmad & Anushi