



# NEWSLETTER

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### From Director Desk ....

It is my privilege to share how the Government of India chalked out the 100 days plan for different activities in agriculture. ICAR took the lead to execute activities in agriculture under 100 days action plan during 1st July to 15th October, 2024. KVKs of Uttar Pradesh worked and achieved followings activities, as set forth by Ministries in Agriculture.

- Promoted a total of 88 number Agri-Entrepreneurs
- Total of 241 CBBO/market linkages/support in branding/ packaging/ preparation of DPR for funding for FPOs.
- A total of 217 SHGs promoted and technically guided by KVKs.
- A total of 58 linkages established with Common Service Centres by KVKs
- Total of 528 skill development and vocational trainings were organized with the participation of 13483 farm women and rural youths.
- A total of 175 awareness programme for farmers on FOM (Fermented Organic Manure were organized for 5125 farmers.
- Under Natural Farming, CRM and NICRA project, total 88, 28 and 34 training programmes were organized with the participation of 3248, 729 and 874 farmers respectively.
- In the Kharif season (2024), under CFD Pulses & Oilseed a total of 1577 and 4480 demonstrations were organized on 1577.00 acre and 4480 acre area respectively.
- Under PM KUSUM (MNRE) programme, a total of 88 workshops were organized with the participation of 4115 farmers. In addition to this total of 780 farmers shown their interest in Solar System installation.
- A total of 407 Custom Hiring Centers (CHCs) established by generating Rs. 47845/- fund in NICRA Village cluster.
- Under demonstrations of INM through Drone Technology, a total of 32 demonstrations were conducted on 1300 acre area.

It was also a matter of great pride that total of 323 varieties of 56 crops including cereals, oilseeds, forage crops, and sugarcane were released by ICAR during 2023-24. Also the IFS models for small and marginal farmers of Andhra Pradesh, Punjab, Bihar and Uttar Pradesh were developed.

In 31st Annual Zonal Workshop of KVKs of Uttar Pradesh, following important points/suggestions came out –

- All KVK may keep advancing their experiences and knowledge, so that adaptive research work can be given more dynamism.
- According to the changing weather, KVK SMSs should assess such varieties and methods which are climate resilient.
- The branding of products of natural farming is essential.
- There is need to enhance the productivity of wheat to more than 50 quintals per hectare and it is essential that various varieties of prominent crops in Rabi must be grown in Crop Cafeteria at KVK farm.
- KVKs ought to be more modern and their work efficiency to be more dynamic.
- Drones should be used on more farmers' fields so that efficient farming can be done in lesser time and cost.

It is our privilege to bring before you the current 36th issue of Institute Newsletter.

(S.K. Dubey)

ICAR-AGRICULTURAL TECHNOLOGY APPLICATION RESEARCH INSTITUTE (ATARI)  
KANPUR – 208 002 (UTTAR PRADESH)

ISO 9001:2015 Certified Institute

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### Online participation for preparation of 100 Days Action Plan and Five Year Targets hosted by ICAR New Delhi



On 01.07.2024, Dr. S.K. Dubey, Director, Dr. Raghwendra Singh, Principal Scientist (Horticulture), and Dr. Seema Yadav, Scientist (LPM) of ICAR-ATARI, Kanpur attended the online meeting hosted by the ICAR, New Delhi under the Chairmanship of Dr. Himanshu Pathak, Secretary (DARE) & DG (ICAR). The focus of meeting was 100 Days Action Plan and Five-Year Targets finalization as set forth by the Government of India, aimed at enhancing agricultural outreach and efficiency through ICAR and KVKs (Krishi Vigyan Kendras) across the country. During the meeting, all DDGs presented their SMDs 100 day's Action Plan and Five Years Targets. All DDGs, ADGs and Directors of the Institutes & ATARIs attended the meeting online.

Dr. Himanshu Pathak outlined the 100 Days Action Plan, initiated by the Government of India starting from July 1, 2024. He elaborated on specific activities planned under this action plan, which are to be implemented by KVKs to enhance agricultural support to farmers and rural communities. Key areas of focus were identified, and the timeline for reviewing these activities every 15 days was emphasized.

### Review of Progress of 100 days Action Plan target of ICAR with KVKs of Uttar Pradesh



On 12.07.2024, ICAR-ATARI, Kanpur organized an online review meeting with all KVKs of Uttar Pradesh to assess the progress of the 100 Days Action Plan targets established by ICAR, New Delhi, which commenced from July 1, 2024. This meeting marked the first of a series of bi-weekly reviews, to be conducted every 15 days, aimed at ensuring continuous assessment and support for the activities outlined in the action plan.

During the meeting, Dr. Raghwendra Singh, Principal Scientist (Horticulture), and Dr. Seema Yadav, Scientist (Livestock Production Management), provided essential guidance to the participating KVKs. They addressed several queries raised by the KVK teams, offering insights and solutions for executing the various activities aligned with the 100-day targets.

This review session was instrumental in promoting consistent implementation across KVKs and ensuring alignment with the goals set by ICAR, reinforcing the collaborative approach toward achieving impactful agricultural advancements throughout the region.

Five-Year Target of Agril Extension SMD: Target						
S No.	Metric/Goal	2024-25	2025-26	2026-27	2027-28	2028-29
1	Agri-entrepreneurship, Institutional arrangements & market linkage (branding) - CSC, Amazon, Bayer, Dhanuka, Karm Farmers (Districts) (No. of agri-entreprises/ agri-startups to support)	150 Districts 1,225	250 Districts 1,250	350 Districts 1,275	450 Districts 1,280	610 Districts 1,300
2	Diversification through technology demonstration a. CFLDs (Pulses/oilseeds/maize/milletts/vegetables (lakh farmers) b. Establishing Model Village (Pulses, Oilseeds) (No. of village/FLDs)	2.1 lakh 304 (1,35,750)	2.1 lakh 304 (1,35,750)	2.2 lakh 304 (1,35,750)	2.2 lakh 310 (48750)	2.2 lakh ---
3	Training of farmers on Natural Farming: 4x40x425=68,000 farmers	68,000 farmers	68,000 farmers	---	---	---
4	Model pilot establishment in Natural Farming	1275	1275	---	---	---
5	Self-sustaining IFS models (1 acre model)	5	25	25	25	25





### 96<sup>th</sup> ICAR Foundation Day and Technology Day in New Delhi



On 16.07.2024, Indian Council of Agricultural Research (ICAR) Celebrated its 96<sup>th</sup> Foundation Day and Technology Day. Shri. Shivraj Singh Chouhan Ji, Hon'ble Union Minister of Agriculture and Farmers' Welfare & Rural Development and President of ICAR Society graced the occasion as the Chief Guest. He urged practising Natural Farming techniques to maintain the soil health and provide a sustainable environment for the future generation. Hon'ble Minister emphasized introducing model farms for small and marginalised farmers for better production and increased income. The agriculture minister accentuated 'Lab to Land' - Technology based agricultural practises helping farmers yield better crops & maximize income.

Shri. Rajiv Ranjan Singh Ji, Hon'ble Union Minister of Fisheries, Animal Husbandry and Dairying; Shri. Bhagirath Choudhary Ji, Hon'ble Union Minister of State for the Ministry of Agriculture and Farmers Welfare; Shri. Ram Nath Thakur Ji, Hon'ble Union Minister of State for the Ministry of Agriculture and Farmers Welfare; Prof. S.P. Singh Baghel Ji, Hon'ble Union Minister of State for Fisheries, Animal Husbandry & Dairying and Panchayati Raj and Shri. George Kurian Ji, Hon'ble Union Minister of State for Fisheries, Animal Husbandry & Dairying, and Minority Affairs, also gave address on this occasion

Dr. Himanshu Pathak, Secretary (DARE) and Director General (ICAR) highlighted the contributions of ICAR during 2023-24. A total of 323 varieties of 56 crops including cereals, oilseeds, forage crops, and sugarcane were released during 2023-24. IFS models for small and marginal farmers of Andhra Pradesh, Punjab, Bihar and Uttar Pradesh were developed.

All KVKs and ATARIs and ICAR Institutes participated in this workshop. On this occasion Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur received four certificates for products and process/methodologies by Hon'ble Agriculture Minister Shri Shivraj Singh Chouhan Ji. All scientists and staff of ICAR-ATARI, Kanpur virtually participated in the program.



## 3<sup>rd</sup> phase of 9<sup>th</sup> MDP & meeting with KVKs regarding Sharing of Experiences of MDP Trainee



From 23.07.2024 to 27.07.2024, ICAR-ATARI, Kanpur organized the 3<sup>rd</sup> phase of the 9<sup>th</sup> Management Development Program (MDP) aimed at training the Heads of four KVKs. The participants included:

- Dr. D.S. Srivastava, Head, KVK Sitapur-II
- Dr. Anant Kumar, Head, KVK Auraiya
- Dr. J.B. Singh, Head, KVK Sultanpur-I
- Dr. S.P. Singh, Head, KVK Chandauli

Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur told 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 26.07.2024, an online meeting was organized with all 89 KVKs across Uttar Pradesh to facilitate the sharing of experiences and insights from the MDP trainees. This interactive session provided an excellent platform for the participants to discuss their learnings, challenges faced, and successful strategies implemented during the program. By fostering collaboration and knowledge exchange, ICAR-ATARI aimed to strengthen the overall performance of KVKs in delivering agricultural support and services to farmers.



## Independence Day Celebrations at ICAR-ATARI, Kanpur



On 15.08.2024, ICAR-ATARI, Zone III, Kanpur celebrated 78<sup>th</sup> Independence Day of India. The event commenced with flag hoisting by Dr. Shantanu Kumar Dubey, Director of ICAR-ATARI, Kanpur, followed by the singing of National Anthem. In his address, Dr. Dubey highlighted the significance of Independence Day and reflected on India's remarkable achievements in various fields since gaining independence, inspiring the attendees with his remarks on the nation's progress and future aspirations.

Following Dr. Dubey's address, Dr. Raghwendra Singh (Principal Scientist, Horticulture) and Dr. Seema Yadav (Scientist, Livestock Production Management) shared their thoughts on the day's importance, emphasizing the role of agricultural advancements in national growth.

In celebration of Independence Day, a tree plantation campaign was also organized in the institute premises. All staff members participated actively by planting trees, contributing to the institute's commitment to environmental sustainability and marking the day with an action-oriented tribute to India's green future.





### Tree Plantation Campaign under “Ek Ped Maa Ke Naam” on 29th August 2024



On 29.08.2024, the Ministry of Agriculture & Farmer Welfare, Government of India, organized a large-scale plantation event under the esteemed leadership of the Hon'ble Agriculture Minister, Govt. of India. This event was part of the Global Campaign #EkPedMaakeNaam #Plant4Mother, launched by the Hon'ble Prime Minister on World Environment Day 2024 to inspire citizens to plant trees in honor of Mother Earth.

ICAR-ATARI, Kanpur, along with all KVKs in Uttar Pradesh, actively participated in this Global Tree Plantation Campaign. Trees were planted across the ATARI campus and in all KVKs, reflecting the institute's dedication to environmental conservation and sustainable development.

Following the plantation activities, relevant information, along with pictures and videos, was promptly uploaded to the MeriLiFE portal (<https://merilife.nic.in>), ensuring a documented and impactful contribution to this nationwide environmental initiative.



### Stakeholders Consultation on Transforming Agriculture Research-Enhancing Role of Private Sector



On 03.09.2024, Stakeholder's consultations on the theme “Transforming Agriculture Research (TAR) - Enhancing role of Private Sector” was organized online by ICAR under the Chairmanship of Hon'ble Minister of State for Agriculture and Farmers Welfare, Sh. Bhagirath Choudhary Ji. In his address, Chief Guest Shri Bhagirath Choudhary Ji said that India's economy is largely agro-based, and it is crucial for the farmers to be aware about the modern agricultural practices to enhance productivity and ensure farmer welfare. Hon'ble Minister highlighted the need for further strengthening of Krishi Vigyan Kendras (KVKs) for smooth functioning at the grass-root level.

Dr Himanshu Pathak, Secretary (DARE) and Director General (ICAR), emphasized that research and development could achieve greater effectiveness with ongoing contributions from the private sector. He also informed that in last three years ICAR has signed more than 1,000 MoU's with the private sectors to commercialize the ICAR technologies.

More than 1,000 participants across the country including ICAR Institutes, Central and State Agricultural Universities, KVKs, Private sector organizations, various Ministries/ Departments of Govt. of India, Senior Officers of State Agriculture Departments, Farmer Producer Organization (FPOs), progressive farmers and other stakeholders participated in this online meeting.





### Online Interaction with Directors ATARIs under the Chairmanship of DDG (AE)



On 10.09.2024, an online meeting was held to facilitate interaction with the Directors of all Agricultural Technology Application Research Institutes (ATARIs), Chaired by Dr. U.S. Gautam, Deputy Director General (Agricultural Extension), ICAR. This meeting was organized by the Division of Agricultural Extension, ICAR, New Delhi, with a focus on discussing the Expenditure Finance Committee (EFC) approvals for the period 2021-22 to 2025-26.

In his address, Dr. U.S. Gautam informed the ATARI Directors that the EFC had approved funding for the ongoing period, supporting the objectives of the scheme titled 'Strengthening of Krishi Vigyan Kendras (KVKs)'. He presented a detailed overview of the Memorandum for consideration by the EFC, covering critical elements of the scheme such as the budget allocations, primary objectives, and intended impacts on the agricultural extension framework. Dr. Gautam emphasized that the mandates of KVKs have been revised, and that the objectives were updated to better align with current agricultural needs.

The updated mandate now positions KVKs as "Single Window Agricultural Knowledge, Resource, and Capacity Development Centers", reflecting their evolving role in serving as comprehensive hubs for agricultural knowledge dissemination and resource support. This repositioning aims to enhance the reach and effectiveness of KVKs in supporting farmers and promoting sustainable agricultural practices.

Dr. S.K. Dubey, Director of ICAR-ATARI, Kanpur, along with a team of scientists, virtually participated in the meeting. Their involvement underscored ICAR-ATARI, Kanpur's commitment to aligning with these updated mandates and actively contributing to the goals set for the 2021-22 to 2025-26 period.

### Participation in online meeting “Swachhta Hi Seva” under chairmanship of Secretary (DARE) & DG (ICAR)



On 11.09.2024 Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur along with Dr. Raghwendra Singh, PS (Horit) and Dr. Seema Yadav, Scientist (LPM) of ATARI Kanpur participated in the virtual meeting on 'Swachhta Hi Sewa 2024' under the Chairmanship of Dr. Himanshu Pathak, Secretary (DARE) & DG (ICAR). All DDGs including Dr. U.S. Gautam, DDG (AE), ADGs, Directors of ICAR Institutes and ATARIs participated in the meeting. Meeting began with presentation on Swachhta Hi Sewa 2024 campaign in which instructions to ICAR institutes/ATARIs/KVKs were given for organizing activities under the campaign. After that presentation on continuation of ongoing schemes of ICAR and approval of EFC was given by respective DDGs. Dr. U.S. Gautam, DDG (AE) gave detailed presentation on Strengthening of KVKs. He told that now Mandate of KVKs is 'Single Window Agricultural Knowledge, Resource and Capacity Development Centre. He also presented targets of KVKs for 2024-25 to 2025-26, components of KVKs, New initiatives in his presentation, Infrastructure of KVKs proposed under EFC and Targets under 100 days action plan

**Name of the scheme: Strengthening of KVKs**  
**Mandate of KVKs: Single Window Agricultural Knowledge, Resource and Capacity Development Centre.**  
**Objectives of KVKs**

1. Assessment and demonstration of agricultural technologies on the farmers' field for their application and feedback.
2. Capacity development through skilling and training of farmers, farm women, youth and extension functionaries.
3. Act as an information and knowledge Centre for providing diagnostic and farm advisories to farmers and other stakeholders.
4. Production of quality seeds, planting materials and other technological inputs for availability to the farmers.
5. Develop convergence and partnership with agriculture related ongoing schemes and programs of different departments and organizations on national priorities.
6. Awareness creation and community mobilization on various issues related to agriculture & allied sectors through innovative extension activities including use of ICT and other media.



### Hindi Pakhwada organized by ICAR-ATARI, Kanpur



From September 13 to September 27, 2024, ICAR-ATARI, Kanpur organized Hindi Pakhwada, a fortnight-long celebration aimed at promoting the use of Hindi as Rashtrabhasha (national language). The event saw enthusiastic participation from scientists and staff, who reaffirmed their commitment to integrating Hindi into both official and daily activities.

In the inaugural ceremony of event Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur highlighted the importance and use of Hindi. Chief guest of the inaugural ceremony was Dr. S.K. Singh, Former Director, ICAR-ATARI, Jodhpur. Dr. Raghwendra Singh, PS (Horti) and Dr. Seema Yadav, Scientist (LPM) also expressed their views. Participants were awarded certificates by Chief Guest and Director in recognition of their efforts and contributions, marking a successful Hindi Pakhwada and highlighting the institute's commitment to promoting the language across all levels.

Throughout the two-week celebration, a variety of engaging events and competitions were conducted daily, including quiz contests, essay writing, group discussions, and poem writing. These activities encouraged participants to deepen their connection with the Hindi language and demonstrated its importance in both scientific and administrative communications.

The staff of ICAR-ATARI, Kanpur, organized these events to foster a supportive environment for increased use of Hindi within the workplace.



### Brainstorming session on NGO KVKs organized by Div of Agril. Ext. ICAR, New Delhi



On 17.09.2024, the Division of Agricultural Extension, ICAR (Indian Council of Agricultural Research), New Delhi, organized brainstorming session on NGO KVKs (Krishi Vigyan Kendras under Non-Governmental Organizations). The meeting was aimed at addressing key challenges and strategies to enhance the efficiency and effectiveness of NGO-managed KVKs, which play a crucial role in agricultural development and extension services.

Dr. U.S. Gautam, Deputy Director General (Agricultural Extension), ICAR, highlighted the background, objectives, and issues surrounding NGO KVKs, emphasizing the need for improving their operational efficiency to better serve the farming communities across the country.

The Chief Guest, Dr. Himanshu Pathak, Secretary DARE & DG ICAR, delivered the opening remarks. He underscored the importance of collaboration between NGOs and ICAR in strengthening agricultural extension through KVKs, and he encouraged innovative ideas to boost their impact.

Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur, participated virtually in this meeting, sharing his perspectives on how NGO KVKs can contribute more effectively to agricultural development.

This event marked an important step in fostering greater synergy between ICAR, NGOs, and KVKs to ensure the sustainable growth of agriculture and effective outreach to farmers across India.

## 31<sup>st</sup> Annual Zonal Workshop of KVKs of Uttar Pradesh organized by ICAR-ATARI, Kanpur



From 24<sup>th</sup> to 26<sup>th</sup> September 2024 The 31<sup>st</sup> Annual Zonal Workshop of Krishi Vigyan Kendras (KVKs) of Uttar Pradesh was organized by ICAR-Agricultural Technology Application Research Institute (ATARI), Zone-III, Kanpur at SVPUAT, Meerut. The workshop was inaugurated at Sardar Vallabhbhai Patel University of Agriculture and Technology (SVPUAT), Meerut on 24.09.2024. The workshop inaugurated by the Chief Guest Hon'ble Minister of Agriculture, Agricultural Education and Research of the Uttar Pradesh Government, Shri Surya Pratap Shahi *ji* and other dignitaries by duly lighting the lamp.

Addressing the workshop, the Hon'ble Shri Surya Pratap Shahi *ji* appealed to the KVK Heads to keep advancing their experiences and knowledge, so that research work can be given more dynamism. He said that according to the changing weather, scientists should develop such species which are weather friendly. In his address, he also said that the government will give Rs 25000 per hectare to the farmers for cultivating baby corn and sweet corn of maize. He urged the scientists to make brand products of natural farming and also validate them. He also suggested to increase the productivity of wheat to more than 50 quintals per hectare and appealed for sowing various varieties of main crops in Rabi in Crop Cafeteria at Krishi Vigyan Kendras. He also said that there has been an increase of 122% in pulses and oilseed crops in the state from the year 2017 to 2024.

On this occasion, Dr. KK Singh, Vice-Chancellor, SVPUAT, Meerut, in his address, said that the contribution of women and youth in agriculture is remarkable.

He said that we have to increase the production per unit. Dr. P Das, Former Deputy Director General (Agricultural Extension), ICAR, New Delhi, said that water, land, climate and forest have to be saved. He asked the scientists to make the KVKs more modern and their work efficiency more dynamic. Dr. Das said that the role of KVKs will be even more effective in the coming times. Dr. KD Kokate, Former Deputy Director General (Agricultural Extension) ICAR, New Delhi, said that drones should be used on more farmers' fields so that good farming can be done in less time and at less cost. Dr. JP Sharma, Former Vice-Chancellor, SKUAST, Jammu & Kashmir and Dr. Sanjay Singh, Director General, UPCAR, Lucknow also expressed their views on this occasion.



Dr. Raghendra Singh, Principal Scientist, ICAR-ATARI, Kanpur said that 17 Centers of Excellence, 7 Seed Hubs are being established in the KVKs of the state, whereas Natural Farming has been started in 52 KVKs.





Inaugural session ended with the vote of thank to all the guests and participants from Dr. PK Singh, Director Extension, SVPUAT, Meerut. On this occasion, Directors of Extension of all SAUs of Uttar Pradesh and Senior Scientists & Heads of all KVKs of Uttar Pradesh were present in the workshop.



## KVK Panorama

### कृषि विज्ञान केन्द्र सोहॉव बलिया (उ०प्र०)

दिनांक 05.10.2024 को आचार्य नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय कुमारगंज अयोध्या (उ०प्र०) द्वारा संचालित कृषि विज्ञान केन्द्र सोहॉव बलिया में माननीय प्रधानमंत्री श्री नरेन्द्र मोदी जी द्वारा किसान सम्मान निधि की 18वीं किश्त जारी किये जाने का सजीव प्रसारण कार्यक्रम के पूर्व कृषक महिला एवं पुरुषों ने बढ़-चढ़ कर भारी संख्या में भाग लिया। इस कार्यक्रम को प्रारम्भ होने से पहले केन्द्र के वरिष्ठ वैज्ञानिक एवं अध्यक्ष डा० संजीत कुमार ने किसानों को माननीय प्रधानमंत्री जी द्वारा जारी किश्त के बारे में विस्तृत चर्चा किया एवं रबी की फसलों के बारे में समसामयिक व तकनीक सम्बंधित जानकारी दी एवं केन्द्र के वैज्ञानिक डा० सोमेन्द्र नाथ (सस्य विज्ञान) ने रबी फसलों में एकीकृत पोषक तत्व प्रबन्धन करके किसान कैसे लाभ कमाएं। केन्द्र के वैज्ञानिक डा० मनोज कुमार सिंह (जी०पी०बी०) द्वारा किसानों को बीज की गुणवत्ता एवं जमाव के बारे में तकनीक दी। मृदा वैज्ञानिक डा० अनिल कुमार पाल ने मृदा के स्वास्थ्य को ध्यान में रखते हुए कृषकों को नाडेप कम्पोस्ट व वर्मी कम्पोस्ट की उपयोगिता के बारे में जानकारी दी। जिससे मृदा की उर्वरा शक्ति बरकरार रहे, और फसल उत्पादन में वृद्धि हो। केन्द्र के कीट एवं सूत्रकृमि विज्ञान के वैज्ञानिक डा० अभिषेक यादव ने रबी फसलों में लगने वाले कीट रोग प्रबन्धन के बारे में बताया, मशरूम उत्पादन से किसान किस प्रकार अधिक से अधिक लाभ अर्जित कर सके सविस्तार जानकारी दी। प्रधानमंत्री जी द्वारा सजीव प्रसारण देख कर सभी कृषकों ने खुशी जाहिर किया।



### कृषि विज्ञान केन्द्र, गौतमबुद्ध नगर ने आयोजित किया वृहद वृक्षारोपण कार्यक्रम

कृषि विज्ञान केन्द्र, गौतमबुद्ध नगर द्वारा जनपद में जुलाई-अगस्त माह में वृहद वृक्षारोपण कार्यक्रम का आयोजन किया गया तथा 2800 छायादार, फलदार एवं अन्य पौधों का रोपण एवं वितरण जनपद के अंगीकृत गाँव में किया गया। इस दौरान अंगीकृत गाँव बम्बाबड़ में एक विशेष वृक्षारोपण आधारित कार्यक्रम का आयोजन किया गया जिसमें विधायक दादरी श्री तेजपाल नागर जी ने गाँव के विद्यालय तथा मंदिर में वृक्षारोपण किया तथा सभी को अधिक से अधिक वृक्ष लगाकर कम से कम एक वर्ष तक उनकी देखभाल करने की सलाह दी। केन्द्र द्वारा अंगीकृत गाँव खण्डेरा तथा छौलस के प्राथमिक विद्यालयों में विद्यार्थियों तथा शिक्षकों के साथ वृक्षा रोपण का कार्यक्रम किया गया तथा वृक्षा रोपण सम्बन्धी प्रश्नोत्तरी आयोजित की गई जिसमें विद्यार्थियों ने बढ़ चढ़ कर भाग लिया। गलगोटियास विश्वविद्यालय, नोएडा तथा रेयान इंटरनेशनल स्कूल, गाजियाबाद के बच्चों द्वारा केन्द्र का भ्रमण कर वृक्षारोपण किया गया तथा इस अवसर पर एक भाषण प्रतियोगिता का आयोजन कर विद्यार्थियों को पर्यावरण रक्षा हेतु प्रेरित किया।





### KVK Shamli organized Kakori Kaand Remembrance Programme

The Kakori Kaand Remembrance Program was held at the Krishi Vigyan Kendra Shamli on 14 August 2024, drawing a diverse audience of students and farmers who gathered to honor a pivotal moment in India's struggle for independence. This event commemorated the Kakori Conspiracy of 1925, where revolutionaries sought to undermine British rule through a daring train heist to secure funds for their cause. As part of the program, a speech competition was organized, allowing students from MMM Inter college Jalalpur to articulate their understanding of the Kakori Kaand and its significance in the fight for freedom. The eloquence and passion displayed by the participants served to inspire the audience and deepen their appreciation for the sacrifices made by the martyrs. In addition to the students' presentations, staff members from the Krishi Vigyan Kendra delivered insightful lectures about the Kakori Kaand, shedding light on its historical context and the broader freedom struggle. Their contributions enriched the program by providing valuable perspectives on remembering and honoring those who fought against colonial oppression. The event was meticulously organized to pay homage to the brave souls who fought for India's independence, emphasizing the importance of preserving their legacy and continuing their struggle for justice and equality. The Principal of MMM Inter college graced the occasion as the chief guest, underscoring the event's importance in fostering a sense of national pride among the youth. Faculty members from the college also actively participated, reinforcing the collective commitment to honoring India's rich history. In total, the program saw participation from approximately 92 participants, creating a vibrant atmosphere of camaraderie and respect. The event concluded with an award ceremony, recognizing the achievements of the winning students in the speech competition, followed by a ceremonial hoisting of the national flag. This act symbolized unity and remembrance, encapsulating the spirit of the Kakori Kaand and its enduring relevance in today's society. Overall, the Kakori Kaand Remembrance Program not only served as a tribute to the sacrifices made during the independence struggle but also as a call to action for the present generation to uphold the values of courage and resilience in their quest for a better future.



### Plantation Drive as Part of EK PED MA KE NAAM at KVK Hardoi-II

ICAR-CSSRI, KVK Hardoi-II recently conducted a significant plantation drive under the "EK PED MA KE NAAM" initiative on August 21st, 29th, and September 30th. This initiative aimed to raise environmental awareness and promote community participation in a forestation efforts. The event saw active involvement from 80 local farmers and farm women representing around 17 villages. Also present were NGO workers, civil society members, and staff from KVK, under the leadership of Dr. Pankaj Nautiyal, Head of KVK. This event underscored the region's commitment to sustainable agriculture and environmental conservation. Over 1800 saplings of various fruits, forestry and ornamental trees were planted in designated areas on the KVK campus including campus boundary. In the Horticulture and Agro-Forestry block, covering over 2 hectares, saplings of Guava, Lemon, Mango, Indian Gooseberry, Bael, Jamun, Eucalyptus, and Pomegranate were planted. Additionally, Arjun, Ashoka, and Kachnar trees were planted along the campus boundary. To ensure the successful growth of fruit plants in sodic and saline soils, a low-cost method was implemented. Cement gunny bags were filled with farmyard manure (FYM) and good-quality soil to create a favorable environment for root development, thereby reducing the harmful effects of sodic and saline conditions. This initiative not only enhanced the landscape but also reinforced a commitment to a greener and more sustainable future.





पौध किस्म रजिस्ट्री (Plant Varieties Registry)

केवीके सीतापुर द्वितीय एवं भाकुअनुप-अटारी, कानपुर के प्रयागो से सीतापुर जनपद के किसानों की उपलब्धि मिली। जनपद सीतापुर के 3 नए किसानों को उनके परंपरागत बीज (उड़द, कोदो) का मालिकाना हक मिला। अब तक जनपद सीतापुर के कुल 8 किसान हुए अपने पारम्परिक बीजों के मालिक। मालिकाना हक प्राप्त करने वाले किसानों के नाम : 1) हरि प्रसाद- उड़द (एच पी- यू एम), 2) गंगाराम- कोदो (जी आर- के एम) 3) सुनील कुमार- उड़द (सुनील- यू)

Form 0-2, FORM-02 (गणतंत्र के अंतर्गत) (Under Rules 36 and 37) भारत सरकार - GOVERNMENT OF INDIA पौधा किस्म रजिस्ट्री PLANT VARIETIES REGISTRY...

Form 0-2, FORM-02 (गणतंत्र के अंतर्गत) (Under Rules 36 and 37) भारत सरकार - GOVERNMENT OF INDIA पौधा किस्म रजिस्ट्री PLANT VARIETIES REGISTRY...

Form 0-2, FORM-02 (गणतंत्र के अंतर्गत) (Under Rules 36 and 37) भारत सरकार - GOVERNMENT OF INDIA पौधा किस्म रजिस्ट्री PLANT VARIETIES REGISTRY...

कृषि विज्ञान केन्द्र कौशाम्बी में कृषक शैक्षिक भ्रमण का आयोजन

कृषि विज्ञान केन्द्र कौशाम्बी में आत्मा योजनांतर्गत 128 कृषकों के शैक्षिक भ्रमण कार्यक्रम का आयोजन दिनांक 28 सितम्बर 2024 को किया गया। इस भ्रमण कार्यक्रम का उद्देश्य केन्द्र पर खरीफ मौसम में विभिन्न फसलों पर प्रदर्शित तकनीकों का सजीव अवलोकन कराते हुए कृषकों के ज्ञान वर्धन एवं क्षमता विकास को बढ़ाना था।





**Other Meetings/events**

<b>Date</b>	<b>Activity</b>
12.07.2024	Online participation in inception meeting with Agriculture Skill Council of India (ASCI)
16.07.2024	Participation in meeting of ATARI Directors in New Delhi under the chairmanship of DDG (AE)
19.07.2024	Participation in Regional Consultation of Science of Natural Farming in Lucknow
19.07.2024	(Tour) Participation in Regional Consultation of Science of Natural Farming (Lucknow)
26.07.2024	Participation in online meeting regarding Mapping of Saving Accounts of KVKs under code Krishonnati Yojana-4138code
26.07.2024	Online meeting with KVKs regarding Sharing of Experiences of MDP Trainee organized by ICAR-ATARI, Kanpur
29.07.2024	Participation in Online meeting on Collaborative Training Program of MANAGE, Hyderabad and AMITY University Hosted by Dr. Shahaji Phand
06.08.2024	Participation in Online meeting regarding Fund flow mechanism for different project from DA&FW under the chairmanship of ADG (AE)
07.08.2024	Online meeting regarding Registration of KVK on PFMS Portal under CFLD Oilseed, Pulses & CRM Project organized by ICAR-ATARI, Kanpur
09.08.2024	Online meeting for Discussion on 100 days activity by KVK organized by ICAR-ATARI, Kanpur
13.08.2024	Participation in Meeting to discuss the plans to curb paddy stubble burning in the ensuing harvesting season organized by DA&FW
13.08.2024	Online participation in meeting regarding '100 Days Program - Making it More Effective' under the chairmanship of DDG (AE)
14.08.2024	Online participation in preparatory meeting on “Ek Ped Maa Ke Naam” plantation event on 21st August 2024 creating momentum to Global Campaign
27.08.2024	Online Meeting with KVKs for Discussion on activities regarding 100 days action plan organized by ICAR-ATARI, Kanpur
28.08.2024	Online participation in Review of Pendency of Grievances on CPGRAM Portal
29.08.2024	Online review meeting of SCSP & TSP for the year 2024-25 organized by ICAR-ATARI, Kanpur
04.09.2024	Online participation in meeting regarding DDG AE's interaction with Directors of ATARIs and ADGs
09.09.2024	Participation in online Meeting of the Committee to assess/examine the proposals on Research & Development received
19.09.2024	Participation in online Meeting regarding Operationalization of TSA Hybrid Model in ICAR organized by ICT Unit
24.09.2024	Participation in CP Gram meeting Pending grievances in Department of Agriculture Research and Education

## Success Stories

### Chickpea variety RVG-202 appropriate under rice-wheat cropping system (KVK, Ambedkar Nagar)

Chickpea is main pulse crop of Ambedkar Nagar district. Over the years' local varieties of chickpea are producing less yield due to several factors of which non-availability of quality seeds of improved variety is predominant. In this direction, KVK Ambedkar Nagar introduced high yielding chickpea variety RVG-202 through Frontline Demonstrations (FLDs). KVK conducted 85 FLDs with RVG-202 variety of chickpea on farmer's fields in 5 villages of Katehari Block of Ambedkar Nagar district during 2022-23 in an area of 25.00 ha along with balanced dose of fertilizers (N:P:K:S::40:60:40:30) Kg/ha. KVK provided all critical inputs like seed and gave capacity building on scientific cultivation of chickpea starts from land preparation to harvesting. Further, KVK recommended soil test based nutrient application. Line sowing was done with basal application of fertilizer in which half dose of nitrogen, full dose of SSP and full dose of MOP as recommended and rest of nitrogen used after first irrigation. RVG-202 variety gave 17.67 q/ha yield as compared to local variety (13.75 q/ha) which was 28.51 per cent higher yield with net income of Rs.51965 and 2.90 BCR. The outcome of this demonstration motivated the farmers to replace their old varieties. Mr. Haribansh Singh is one among the FLDs farmers belonging to AdamurTindauli Village expressed his happiness and enthusiastic in motivating other farmers as well as popularization of RVG-202. This variety has been disseminated in 20 villages of the district in an area of approximately 30 ha.



### Green gram variety VIRAT replaced RMG 975 (KVK, Aligarh)

RMG 975 a local variety of green gram is popularly grown in Atrauli block of Aligarh district. Over the years' green gram yield is reducing due to several factors of which non-availability of quality seeds of improved variety is predominant. In this direction, KVK Aligarh introduced high yielding green gram variety VIRAT through Frontline Demonstrations (FLDs). KVK conducted 250 FLDs with VIRAT variety of green gram on farmer's fields in 10 villages of Atrauli block of Aligarh district during 2018-19 to 2022-23 in an area of 120.00 ha along with balanced dose of fertilizers (N:P:K:Zn::20:40:20:25) Kg/ha. KVK provided all critical inputs like seed and gave capacity building on scientific cultivation of green gram starts from land preparation to harvesting. Further, KVK recommended soil test based nutrient application. Line sowing with basal application of fertilizer was adopted. VIRAT variety gave 12.50 q/ha yield as compared to local variety RMG 975 (8.50 q/ha). The yield increased by 40.00 per cent over local variety with net income of Rs. 64300. The outcome of this demonstration motivated the farmers to replace their old varieties and non-descriptive varieties especially RMG 975. Shri Heera Singh is one among the FLDs farmers belonging to Todapur village expressed his happiness and enthusiastic in motivating other farmers as well as popularization of VIRAT variety. Now this variety has been disseminated in 80 villages of the district in an area of approximately 400 ha.



## Climate Resilient Integrated Farming System has proved the way for regular income generation



**Name of farmer:** Sri Kamlesh Singh  
 S/o Lt. Surya Narayan Singh  
 Village: Kallipur  
 Block: Arajiline  
 District: Varanasi  
 Mobile: 9794894815

### Situation analysis/problem statements

Sri Kamlesh Singh, village Kallipur,, block Arajiline having 8 acre land. He is followed paddy – wheat cropping system on their field. He was facing the problems of poor yield and low income from their farm. Sri Singh visited KVK Varanasi and discussed with scientists about their problem of poor productivity and low income.

### Plan and Implementation and Support

KVK scientist visited to the field of Sri Kamlesh Singh and suggested to him for adoption of integrated farming

### Economics of various crops

Sl. No.	Name of Crops	Area (acre)	Cost of cultivation (Rs./acre)	Total cost of cultivation (Rs.)	Total Production (qt.)	Total Income (Rs.)	Net return (Rs.)	B:C Ratio
<b>Kharif crops</b>								
1	Paddy	4.00	28200	112800	80	153600	40800	1.63
2	Maize	0.50	16000	8000	9.75	18038	10038	2.25
3	Urd	1.00	12120	12120	3.50	22750	10630	1.88
4	Til	1.25	7840	9800	3.25	19500	9700	1.99
5	Arhar	0.25	13520	3380	2.50	15000	11620	4.44
6	Sugarcane	0.50	44800	22400	110.00	37400	15000	1.67
7	Bitter gourd	0.25	26200	6550	30.00	28500	21950	4.35
8	Sponge gourd	0.25	27000	6750	35.00	35000	28250	5.19
<b>Rabi crops</b>								
9	Wheat	5.00	26800	134000	105.00	231000	97000	1.72
10	Mustard	0.25	14600	3650	2.20	11000	7350	3.01
11	Potato	0.25	62800	15700	45.00	38250	22550	2.44
12	Veg. Pea	1.00	28000	28000	8.50	46750	18750	1.67
13	Cauliflower	0.25	25600	6400	21.50	21500	15100	3.36
14	Onion	0.25	48000	12000	17.00	27200	15200	2.27
15	Brinjal	0.25	22800	5700	22.00	24200	18500	4.25
16	Garlic	0.25	34400	8600	5.20	26000	17400	3.02
<b>Total</b>				<b>395850.00</b>		<b>755688</b>	<b>359838</b>	

system on their field. After visit of scientist he changed their pattern for growing of different crops on their field and also start rearing of milch animals (buffalos) and planted fruit plants on their field. KrishiVigyan Kendra Varanasi scientists visited time to time on Sri Kamlesh Singh's field for scientifically look after the crops and animals. Scientist also suggested to him for soil testing, proper irrigation management, improved variety seed of crops, balance use of fertilizers, proper management of weed, insect, pest, and disease of crops with proper health case of animals.

### Outputs

Sri Kamlesh Singh has started some component of integrated farming system on their farm and proper utilization of farm wastage for the making of organic manures and used for growing of various crops that was helps for minimizing the cost of cultivation and also improving of net income.



Continued...

### Economics of Orchard

Fruit plant	Area (acre)	Operational Cost (Rs./ha)	Total income (Rs.)	Net income (Rs.)	B:C ratio
Mango	2.50	68500	122000	53500	1.78
Guava					
Lemon					
Maringa					
<b>Total</b>	-	<b>68500</b>	<b>122000</b>	<b>53500</b>	

### Economics of Animal Husbandry

Animals	No.	Operational Cost (Rs)	Total income from milk (Rs)	Net Income (Rs)	BC ratio
Buffalos	2	180000	374400	194400	2.08
Cow	1	60000	115200	55200	1.92
<b>Total</b>	-	<b>240000</b>	<b>489600</b>	<b>249600</b>	-

### Economics of IFS system

Total cost per year : Rs. 704350/-

Total average income per year : Rs. 1367288/-

Average income per year : Rs. 662938/-

### Quarterly Progress Report (July-September, 2024)

S.No.	Activities	Achievements
1.	On- Farm Trials Conducted (Nos.)	19
2.	Frontline Demonstrations Conducted (Nos.)	2015
3.	No. of Farmers and farm women Trained (Nos.)	4605
4.	No. of Extension Personnel Trained (Nos.)	706
5.	Production of Seeds (in Quintals)	50685
6.	Production of Planting materials (in lakh)	1.15
7.	Production of livestock strains and fingerlings (in lakh)	8.60
9.	Soil and water samples tested (Nos.)	708
10.	No. of Farmers provided mobile agro-advisory (in lakh)	10.95
11.	No. of Farmers and other stakeholder benefitted through various Extension Activities (in lakh)	0.19



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