

ATARI

NEWSLETTER

ICAR-AGRICULTURAL TECHNOLOGY APPLICATION
RESEARCH INSTITUTE (ATARI), KANPUR
(An ISO 9001:2015 Certified Institute)



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From Director Desk

In the 3rd quarter of financial year 2025, ICAR-ATARI, Kanpur organized a live telecast of the inauguration of the “PM Dhan-Dhaanya Krishi Yojana” and the “Pulses Self-Reliance Mission”.

During his address in the live broadcast, the Hon’ble Prime Minister highlighted the significance of the two major schemes, stating that more than ₹35,000 crore would be invested by the Government of India under the *PM Dhan-Dhaanya Krishi Yojana* and the *Pulses Self-Reliance Mission*. ATARI also organized an online review meeting under the project “Awareness and Demonstrations for Popularization of Fermented Organic Manure (FOM)/Liquid FOM through KVKs” to assess implementation progress and strengthen field activities across Uttar Pradesh.

In the *NICRA–TDC* Review Workshop held at ICAR–CRIDA, Hyderabad, where progress made over the last five years in climate-resilient agriculture was reviewed and future strategies were discussed. The interaction meeting of CRM reaffirmed ICAR–ATARI Kanpur’s commitment to promoting sustainable residue management practices through coordinated efforts of KVKs, farmer engagement, and technology-driven demonstrations across Uttar Pradesh.

ATARI organized a special programme to commemorate 150 years of the national song *Vande Mataram*. The meeting of “*National Mission on Natural Farming*” reinforced the collective commitment of KVKs to promote sustainable agriculture through well-coordinated field demonstrations, farmer capacity building, and data-driven monitoring. The coordinated efforts are expected to strengthen the adoption of natural farming practices and improve farm livelihoods across the state.

The successful organization of *Rashtriya Kisan Diwas* across Uttar Pradesh once again demonstrated the vital role of Krishi Vigyan Kendras as grassroots institutions for technology transfer, policy awareness, and farmer empowerment. Through coordinated efforts, KVKs continue to serve as a strong link between agricultural research, government initiatives, and farming communities.

At last, with deepest sorrow and a heavy heart, we mourn the sudden and unexpected demise of our esteemed Director, Dr. Shantanu Kumar Dubey. With his demise, ATARI has not only lost a visionary leader but also a mentor and a compassionate human being who will forever be remembered for his dedication and hard work. On the behalf of ATARI and KVK family, I hereby convey my deepest condolences for departed soul. May God give strength to his family to bear this irreparable loss..

Raghwendra Singh
Director (Acting)

ICAR–ATARI, Kanpur organized live telecast of the inauguration of the “PM Dhan-Dhaanya Krishi Yojana” and the “Pulses Self-Reliance Mission”



On 11 October 2025, ICAR–Agricultural Technology Application Research Institute (ATARI), Kanpur organized a live telecast of the inauguration of the “PM Dhan-Dhaanya Krishi Yojana” and the “Pulses Self-Reliance Mission,” along with the foundation laying and inauguration of more than 1,100 projects related to the Agriculture Infrastructure Fund, animal husbandry, fisheries, and food processing sectors by the Hon’ble Prime Minister of India. Hon’ble Prime Minister Shri Narendra Modi inaugurated these national initiatives from the National Agricultural Science Complex, Pusa, New Delhi. The live broadcast was organized at ICAR–ATARI, Zone-III, Kanpur, where more than 150 farmers and students participated. The programme began with the lighting of the ceremonial lamp by the Chief Guest, distinguished guests, and the Director of ICAR–ATARI Kanpur.

During his address in the live broadcast, the Hon’ble Prime Minister highlighted the significance of the two major schemes, stating that more than ₹35,000 crore would be invested by the Government of India under the PM Dhan-Dhaanya Krishi Yojana and the Pulses Self-Reliance Mission. He emphasized that agriculture has always been a vital part of India’s development journey and that continuous reforms since 2014 have led to substantial growth across all agricultural sectors. While pulse production has increased, he stressed the need to further enhance output to achieve complete self-reliance, as pulses are a major source of protein and nutrition in India.

At the ATARI Kanpur programme, the Chief Guest, Shri Manish Rai, Prant Sangathan Mantri, Akhil Bharatiya

Vidyarthi Parishad, Kanpur Province, remarked that India was once known as the “Golden Bird” due to its strong agricultural base, and that new government initiatives are now revitalizing the sector.

The distinguished guest, Shri Dilip Kumar Awasthi, Advocate, DGC (Crime), Kanpur, noted that agriculture is rapidly progressing under the leadership of the Prime Minister, with institutions like ICAR–ATARI Kanpur and ICAR–IIPR Kanpur playing a crucial role in this transformation.

In his address, Dr. Shantanu Kumar Dubey, Director, ICAR–ATARI Kanpur, explained that the area under pulses had declined in previous decades, leading to increased imports. To address this, the Government of India initially launched pulse development projects in 110 districts across 13 states in collaboration with ICAR–IIPR Kanpur and KVKs. Subsequently, the Cluster Front Line Demonstration (CFLD) programme was expanded to 636 districts from the Rabi season of 2015–16, resulting in significant growth in pulse production. He further stated that the newly launched Pulses Self-Reliance Mission aims to increase national pulse production to 30 million tonnes by 2030.

Progressive farmers from Unnao district, including Shri Yogendra Kumar Gaur, actively participated in the discussion, sharing their experiences, suggestions, and field-level challenges. ATARI Kanpur scientists provided practical solutions to farmers’ queries. Lectures on the PM Dhan-Dhaanya Mission and Natural Farming were delivered by Principal Scientists Dr. Ajay Kumar Singh and Dr. Raghwendra Singh, respectively.

The programme concluded with a vote of thanks by Dr. Ajay Kumar Singh.



ICAR-ATARI Kanpur Reviews Progress of Fermented Organic Manure Project with KVKs



On 24.10.2025, ICAR-ATARI Kanpur organized an online review meeting under the project “Awareness and Demonstrations for Popularization of Fermented Organic Manure (FOM)/Liquid FOM through KVKs” to assess implementation progress and strengthen field activities across Uttar Pradesh. The meeting was coordinated by the Nodal Scientist for FOM Dr. Ajay Kumar Singh, Pr. Scientist (Agron), ICAR-ATARI Kanpur.

Heads & Scientists from several Krishi Vigyan Kendras (KVKs) participated in the interaction, sharing updates on demonstrations, fund utilization, and farmer outreach activities related to organic manure promotion.

The meeting emphasized the need to fast-track project activities considering the limited sowing window of the wheat season. KVKs were advised to ensure timely demonstrations both at KVK farms and farmers’ fields, along with completion of baseline surveys and soil testing to measure project impact.

Coordination with Compressed Bio-Gas (CBG) plants for timely availability of fermented organic manure was reviewed. KVKs facing supply issues were guided to arrange FOM from alternative approved sources within the permissible financial framework. Participants confirmed initiation of activities for the Rabi season following receipt of revalidated funds. The Chair stressed full utilization of allocated resources within the financial year and timely submission of utilization certificates and physical progress reports.



The importance of proper planning and budget discipline was highlighted, particularly under training and awareness components. KVKs were reminded to strictly adhere to approved financial limits to avoid operational challenges. The meeting also stressed systematic documentation of demonstrations, including field-level data and farmer participation details, for effective monitoring and reporting.

The review meeting reinforced ICAR-ATARI Kanpur’s commitment to promoting sustainable and organic nutrient management practices through coordinated KVK interventions, farmer awareness programmes, and demonstration-based learning across the state.

ATARI Kanpur and Uttar Pradesh KVKs participated in NICRA-TDC Review Workshop





During 31.10.2025-01.11.2025, ICAR–ATARI Kanpur and its network of Krishi Vigyan Kendras (KVKs) in Uttar Pradesh participated in the NICRA–TDC Review Workshop held at ICAR–CRIDA, Hyderabad, where progress made over the last five years in climate-resilient agriculture was reviewed and future strategies were discussed.

During the concurrent technical session dedicated to ATARI Kanpur, all 17 KVKs under the zone presented their field-level achievements and climate vulnerability experiences. The session provided a platform to assess the effectiveness of climate-resilient technologies adopted in different agro-climatic regions of Uttar Pradesh and to identify areas for further strengthening.

A key emphasis was placed on the need for block-level climate vulnerabilities to ensure that ground-truthing interventions are precisely aligned with local risks such as drought, erratic rainfall, heat stress, and soil degradation. The experts highlighted that accurate vulnerability assessment would significantly enhance the impact of NICRA interventions.

The session also stressed the importance of strengthening natural resource management measures and demonstrating convergence with line departments to achieve visible outcomes at a larger scale. Incorporation of proven local climate-resilient technologies into action plans was encouraged to build upon indigenous solutions already accepted by farmers.

Another major recommendation was the urgent digitalization of seed banks and systematic documentation of resilient strategies and promising technologies being practiced across Uttar Pradesh. This would improve accessibility, planning, and scaling of successful interventions.

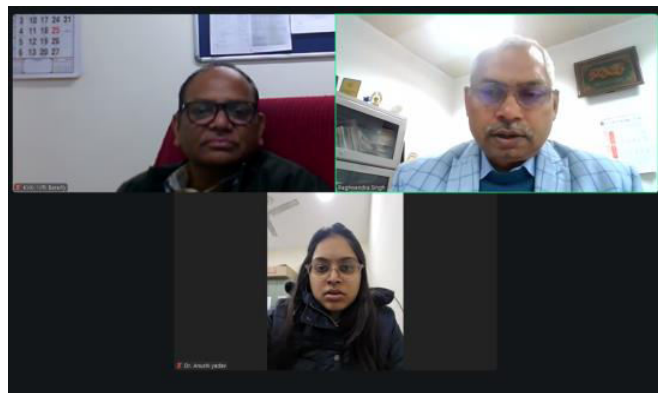
Capacity building of KVK scientists was identified as a priority, particularly in the areas of vulnerability assessment, stress quantification, and impact measurement, keeping in view recent staff changes and evolving climate challenges.

The workshop recognized the consistent efforts of ATARI Kanpur and Uttar Pradesh KVKs in translating climate-resilient research into practical field solutions. Their experience demonstrated that locally tailored interventions, supported by strong institutional coordination and farmer participation, can significantly

enhance resilience of farming systems.

Overall, the deliberations reaffirmed the crucial role of ATARI Kanpur and its KVKs in strengthening climate-smart agriculture in Uttar Pradesh under NICRA–TDC. The recommendations emerging from the workshop are expected to further guide strategic planning and scaling of climate-resilient technologies in the coming years.

ICAR–ATARI Kanpur Reviews Progress of Crop Residue Management Programme with KVKs



On 7 November 2025, ICAR–ATARI Kanpur organized an online interaction meeting with Krishi Vigyan Kendras (KVKs) under the Crop Residue Management (CRM) Project to review implementation progress and strengthen field-level activities across Uttar Pradesh. The meeting was chaired by the Director, ICAR–ATARI Kanpur, and attended by project scientists along with representatives from several KVKs of the state.

The discussion focused on effective utilization of project funds, planning of demonstrations, and improving outreach activities related to in-situ management of crop residues. It was emphasized that funds allocated under the hybrid module must be utilized within the financial year to achieve project objectives, with priority given to CRM machinery demonstrations.

Participants were asked to ensure proper financial planning and timely expenditure, as further fund release would be linked to utilization performance. The meeting highlighted the importance of focusing resources strictly on residue management interventions rather than on general agricultural inputs.





A major thrust was placed on capacity-building initiatives for farmers. KVKs were encouraged to organize training programmes, awareness campaigns, and village-level demonstrations to educate farmers on the benefits of CRM practices, including improved soil health, reduced environmental pollution, and cost savings. To enhance farmer participation, KVKs were instructed to conduct Kisan Melas dedicated to CRM themes. These events would showcase CRM machinery such as Happy Seeder, Smart Seeder, and mulchers, along with expert interactions and practical field demonstrations.

The meeting also stressed the need for systematic documentation and reporting. KVKs were directed to record photographic evidence, field conditions, machinery used, and farmer participation to strengthen monitoring and evaluation of project outcomes.

Strengthening collaboration with Panchayats, Farmer Producer Organizations (FPOs), Self-Help Groups (SHGs), and local agricultural officers was identified as a key strategy for wider adoption of CRM technologies. Additionally, awareness programmes were advised to clearly communicate the long-term environmental and economic benefits of crop residue management, especially in reducing stubble burning and improving farm sustainability.

Overall, the interaction meeting reaffirmed ICAR-ATARI Kanpur's commitment to promoting sustainable residue management practices through coordinated efforts of KVKs, farmer engagement, and technology-driven demonstrations across Uttar Pradesh.

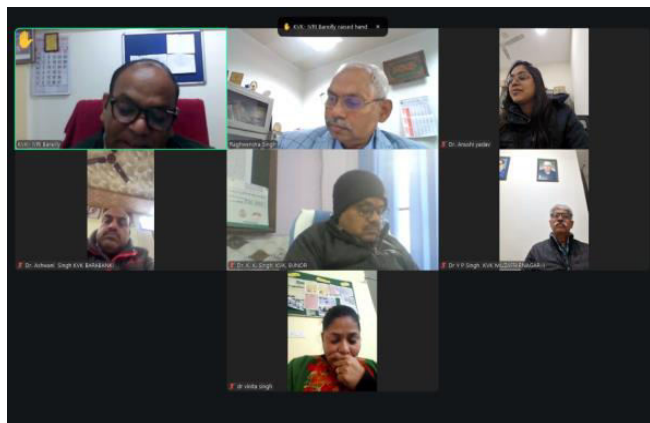
ICAR-Agricultural Technology Application Research Institute (ATARI), Kanpur organized a special programme to commemorate 150 years of the national song *Vande Mataram*.



The inaugural week of celebrations was organized from 7 to 14 November 2025 at ICAR-ATARI, Zone-III, Kanpur. During this period, scientists and staff of the institute participated daily in the collective singing of *Vande Mataram*, along with seminars, discussions, and quiz competitions to promote national spirit and awareness of the song's historical significance.

On the concluding day of the inaugural week, i.e., 14 November 2025, a special programme was organized at ICAR-ATARI Kanpur, in which students from Sunshine Public School, Keshavpur, Kalyanpur presented a collective rendition of the national song *Vande Mataram*. The programme began with flag hoisting and lighting of the ceremonial lamp, followed by the group singing by the school students. On this occasion, winners of the *Vande Mataram* quiz competition were also honoured with certificates.

In his address, the Director of the institute, Dr. Shantanu Kumar Dubey, shared insights with the students about the institute, the Indian Council of Agricultural Research (ICAR), and the importance of agriculture in national development. He explained that several decades ago India depended on other countries for food grains, but through the efforts of agricultural scientists and ICAR, the nation has now become self-reliant not only in cereals but also in fruits, vegetables, fisheries, dairy, pulses, and oilseed production. Due to increased production, the Government of India is now able to provide free food grains to millions of poor families across the country.

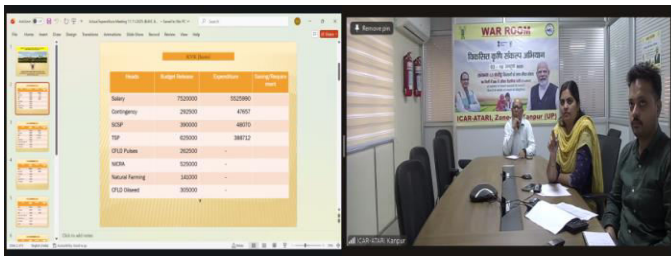




On the occasion, Principal Scientist Dr. Raghwendra Singh delivered a presentation on the Indian national flag, the Tricolour, highlighting its historical evolution from 1857 to 1947. He also spoke about the historical background and significance of the national song *Vande Mataram*, mentioning the early freedom movement that began from Bithoor, Kanpur, during the 1857 revolution.

The programme concluded with a vote of thanks by Principal Scientist Dr. Ajay Kumar Singh. All scientists, officers, and staff members of the institute actively participated in the event, making it a memorable and meaningful celebration.

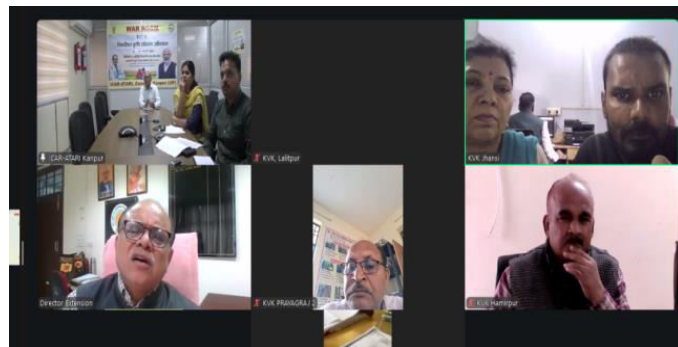
Review meeting of Actual Expenditure Main Scheme & All Project organized by ICAR-ATARI, Kanpur



On 13 November 2025, ICAR-ATARI Kanpur organized a review meeting to assess the actual expenditure under the Main Scheme and all ongoing projects for the financial year 2025-26. The meeting aimed to ensure effective financial planning, timely utilization of funds, and smooth implementation of programme activities across Krishi Vigyan Kendras (KVKs) and project units under the zone.

Heads of KVKs of UPs & Directors (Extension) of SAUs of UP participated in the meeting. During the review, detailed discussions were held on expenditure patterns, timely submission of AUCs, fund utilization status, and

progress of various approved activities. Emphasis was placed on aligning financial spending with physical achievements to ensure maximum impact at the field level. Participants were encouraged to maintain transparency and accuracy in financial reporting while adhering strictly to approved budget provisions.



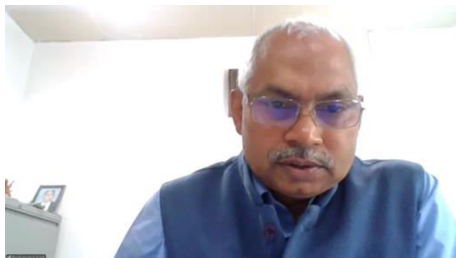
The meeting highlighted the importance of timely submission of utilization certificates, expenditure statements, and supporting documents to avoid delays in fund release. Project-wise reviews helped identify gaps in expenditure and areas requiring faster execution. The need for proper record maintenance, systematic documentation, and financial discipline was strongly emphasized. Clarifications were provided on permissible expenditure heads, financial norms, and procedural requirements to ensure smooth implementation.

The review concluded with a collective commitment to strengthen financial monitoring and ensure that allocated funds are fully utilized for achieving project objectives within the stipulated timelines. It was reiterated that efficient financial management plays a crucial role in enhancing the effectiveness of extension activities and delivering tangible benefits to farmers.

Overall, the meeting reinforced ICAR-ATARI Kanpur's focus on accountability, transparency, and result-oriented financial planning for successful execution of agricultural development programmes during 2025-26.



Review meeting of National Mission on Natural Farming organized by ICAR-ATARI, Kanpur



On 26, November 2025, a coordination meeting was held with Krishi Vigyan Kendras (KVKs) of Uttar Pradesh having Natural Farming to review progress under the Natural Farming Mission and related agricultural development projects. The meeting focused on strengthening data collection, improving coordination among KVKs, and ensuring effective implementation of natural, organic, and conventional farming demonstrations.

Dr. Raghwendra Singh, PI, Natural Farming, emphasized the importance of systematic monitoring and timely sharing of farmer-level data to enhance project impact. KVKs were advised to update detailed information of selected farmers, including landholding, cropping systems, and geo-coordinates of demonstration plots. This data-driven approach aims to support scientific analysis and transparent reporting of project outcomes.

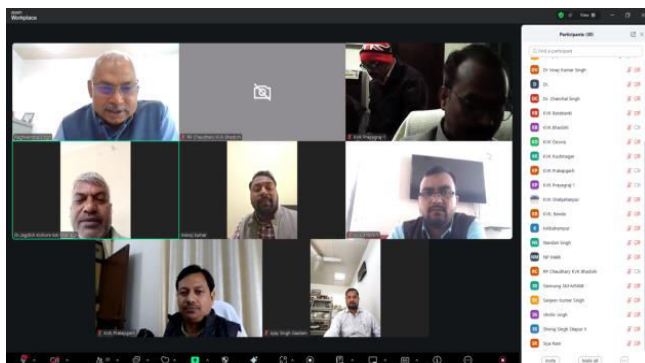
Participants from several KVKs, including those in Banda, Kushinagar, Deoria, Prayagraj, Pratapgarh, Agra, Mathura, Rampur, Shahjahanpur, and Ghazipur, shared updates on ongoing demonstrations and farmer engagement activities. Special focus was given to comparative demonstrations between natural, organic, and conventional farming blocks to evaluate productivity, cost efficiency, and sustainability over time.

The meeting highlighted the need for documenting success stories, preparing season-wise progress reports, and sharing training materials, photographs, and videos to strengthen knowledge exchange across the KVK network. KVKs were encouraged to organize regular farmer trainings, field visits, and awareness programmes to promote adoption of natural farming practices.

Financial planning and budget utilization were also reviewed to ensure timely execution of project activities. KVKs were instructed to maintain proper records of farm inputs, infrastructure costs, and training expenditures in line with project guidelines. Coordination with state government departments for logistical and training support was emphasized for smoother implementation.

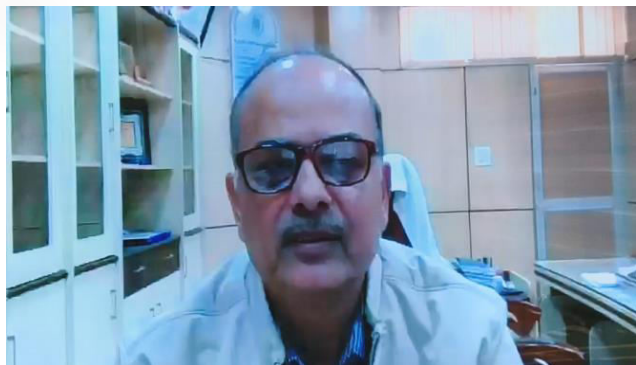
Dr. Raghwendra Singh stressed the importance of close collaboration between neighboring KVKs to enhance outreach and avoid duplication of efforts. He also underlined the need for continuous communication with headquarters to meet reporting timelines and avoid budgetary constraints.

Overall, the meeting reinforced the collective commitment of KVKs to promote sustainable agriculture through well-coordinated field demonstrations, farmer capacity building, and data-driven monitoring. The coordinated efforts are expected to strengthen the adoption of natural farming practices and improve farm livelihoods across the state.



Participation of ICAR-ATARI, Kanpur in meeting Chaired by Secretary DARE & DG ICAR





On 26.11.2025, a high-level coordination meeting was held under the chairmanship of the Secretary, Department of Agricultural Research and Education (DARE) and Director General, ICAR, with participation of Deputy Directors General, Assistant Directors General, Nodal and Co-Nodal Officers of VKSA, and Directors of ICAR Institutes. The meeting focused on strengthening institutional coordination, streamlining action plans, and accelerating priority initiatives aligned with national agricultural goals.

Key deliberations emphasized the preparation of comprehensive state-level action plans under VKSA, involving close coordination with State Governments and the Department of Agriculture and Farmers Welfare. It was decided that state workshops would be organized to ensure effective planning, review progress, and enhance convergence among stakeholders.

Participants also discussed the need to systematically address issues identified during the Kharif campaign through state-specific matrices, clearly linking challenges with responsible institutions and potential research interventions. This approach aims to ensure timely problem-solving and evidence-based planning.

The concept of “One Team – One Task” was reinforced, encouraging each ICAR institute to identify major priority assignments and form dedicated teams for achieving tangible outcomes. Institutes were advised to collaborate with other organizations wherever necessary to maximize impact. The meeting reviewed progress on academic coordination, including the formation of student groups across Central Agricultural Universities, State Agricultural Universities, and Deemed Universities to strengthen knowledge sharing and capacity building.

Institutes were directed to report tangible achievements and key challenges to ensure performance tracking and continuous improvement. Additionally, a roadmap for agriculture aligned with the vision of Viksit Bharat @2047 will be developed by a team of young and innovative scientists across ICAR institutes.

The meeting also emphasized responsible communication, advising institutes to exercise caution in publishing sensitive scientific data, and encouraged the preparation of a white paper on secondary agriculture to explore emerging opportunities.

Overall, the deliberations reinforced ICAR’s commitment to coordinated planning, innovation-driven solutions, and outcome-oriented research and extension for strengthening India’s agricultural sector.

KVKs Across Uttar Pradesh Celebrate Rashtriya Kisan Diwas with Wide Farmer Participation



On 23 December 2025, Rashtriya Kisan Diwas was celebrated across all Krishi Vigyan Kendras (KVKs) of Uttar Pradesh with enthusiastic participation of farmers, scientists, and agricultural stakeholders. The programme aimed to strengthen farmer awareness and promote key national initiatives supporting agricultural and rural development.

The celebrations were conducted in 88 KVKs throughout the state, reflecting the strong outreach capacity of the KVK network. Scientists and staff organized a range of activities including awareness sessions, interactive discussions, and farmer-scientist interactions to engage the farming community in meaningful dialogue on emerging agricultural policies and development programmes.



During the programme, emphasis was laid on creating awareness about the Viksit Bharat – G RAM G Bill, 2025, as highlighted by the Hon'ble Union Minister of Agriculture and Farmers' Welfare, Shri Shivraj Singh Chouhan. Through messages and local-level discussions, farmers were informed about the objectives of the Bill and its potential role in strengthening rural infrastructure, agricultural growth, and livelihood opportunities.

The celebrations witnessed impressive participation, with more than 18,000 individuals attending across the state. This included a strong representation of both male and female farmers, highlighting growing inclusiveness in agricultural extension activities. Farmers actively interacted with KVK scientists, shared field-level experiences, and sought guidance on improving productivity and adopting sustainable farming practices.

Many participants expressed appreciation for the awareness initiatives and welcomed efforts to connect national development policies directly with farming communities through KVK platforms. The interactive format of the programmes helped bridge knowledge gaps and strengthened trust between farmers and extension. The successful organization of Rashtriya Kisan Diwas across Uttar Pradesh once again demonstrated the vital role of Krishi Vigyan Kendras as grassroots institutions for technology transfer, policy awareness, and farmer empowerment. Through coordinated efforts, KVKs continue to serve as a strong link between agricultural research, government initiatives, and farming communities.

Overall, the celebration reinforced the commitment of the KVK network to support sustainable agriculture, informed decision-making, and inclusive rural development across the state.



KVK Scientists Honoured by State Govt. on Kisan Diwas in Uttar Pradesh



On 23 December 2025, the state-level celebration of Kisan Samman Diwas in Uttar Pradesh marked a significant recognition of the valuable contributions made by Krishi Vigyan Kendras (KVKs) and their scientists in strengthening agricultural development and empowering farming communities across the state. The event served as an important platform to acknowledge the tireless efforts of extension professionals who work closely with farmers to promote improved technologies and sustainable agricultural practices.

As part of the programme, special awards were conferred upon outstanding KVK scientists for their exemplary services in agricultural extension, technology dissemination, and field-level innovation. This recognition highlighted the crucial role played by KVKs in bridging the gap between agricultural research and its KVK scientists Dr. Dhiraj Tiwari from Krishi Vigyan Kendra, Unnao, Dr. Omkar Singh of Krishi Vigyan Kendra, Ghazipur, and Dr. Naveen Kumar Singh from Krishi Vigyan Kendra, Pratapgarh were honoured for their exceptional contributions to agricultural outreach and farmer capacity building. They secured the first level of recognition for impactful extension work through effective demonstrations, farmer trainings, and continuous advisory support. Their efforts in promoting improved crop management practices, enhancing farmer awareness, and encouraging adoption of modern technologies were widely appreciated by both farmers and administrators.

The recognition of KVK scientists on Kisan Samman Diwas not only celebrated individual excellence but

also reaffirmed the vital role of Krishi Vigyan Kendras as key institutions driving agricultural transformation across Uttar Pradesh. The event reinforced the commitment to strengthening extension services and promoting innovation-led growth for the sustainable development of the farming sector.

ICAR-ATARI Kanpur organized Review Meeting on National Pulses Mission



On 31.12.2025, ICAR-ATARI Kanpur organized a review meeting on the implementation of the National Pulses Mission under the chairmanship of Dr. Ranjay Kumar Singh, Assistant Director General (Agricultural Extension), ICAR. The meeting was attended by the Director, ICAR-Indian Institute of Pulses Research (IIPR), Kanpur, nodal scientists, Directors of ATARIs, Heads of Krishi Vigyan Kendras (KVKs), and officials from State Departments of Agriculture.

The ADG (Extension) emphasized the importance of strong technology backstopping and continuous advisory support to farmers for enhancing pulse productivity across the country. He highlighted the need for closer coordination among ICAR institutes, ATARIs, KVKs, and state agencies to ensure effective implementation of the Mission in a focused and result-oriented manner.

The Director, ICAR-ATARI Kanpur presented an overview of mission objectives, which include increasing national pulse production, demonstrating improved technologies through Cluster Front Line Demonstrations, and developing Model Pulse Villages for sustainable pulse-based farming systems. Progress under various components of the Mission was also reviewed.

Sharing insights on field-level implementation, the Director, ICAR-IIPR informed that scientists have been deployed in major pulse-growing regions to provide technical guidance and strengthen extension linkages. Regular interaction meetings and digital communication platforms have been established to facilitate real-time coordination among stakeholders.

Key initiatives discussed included dissemination of improved and climate-resilient pulse varieties, promotion of biofortified pulses for nutritional security, and planning of demonstrations for the Rabi season to showcase best management practices. The meeting also reviewed breeder seed production and seed availability under the Seed Hub Programme to ensure timely supply of quality seed to farmers.

The importance of integrating Spring season urdbean into existing cropping systems was highlighted as a potential strategy to expand pulse area and improve farm income. Participants also discussed challenges related to seed distribution and the need for better coordination with State Departments.

The ADG (Extension) clarified that while budget allocation is handled by the Department of Agriculture & Farmers Welfare, the primary role of ICAR institutions is to demonstrate the technical impact of the Mission through field interventions and advisory services. Concluding the meeting, it was stressed that farmers' feedback on pulse production practices should be systematically documented and converted into season-specific advisories for wider dissemination, ensuring timely and need-based support to pulse growers.





Success Story

Performance of Sesame (Til) variety GT-06

Plan, Implement and Support

A Cluster frontline demonstration on Sesame (Til) was conducted by KVK Pratapgarh during Kharif season using the improved variety GT-06 (Release in 2018), which is resistant to root rot and powdery mildew. The demonstration focused on varietal replacement along with Integrated Nutrient Management (INM) practices to enhance productivity and profitability under local agro-climatic conditions. Under INM, Sulphur application @ 500 g/acre (80% formulation) was emphasized to improve capsule formation and seed yield. The performance of the demonstrated technology was compared with the farmers' practice.

Technology Demonstrated

Sesame (Til), GT-06 (2018), Resistant to root rot & powdery mildew with Nutrient Management: INM with Sulphur @ 500 g/acre (80%)

Output / Results –

This improvement indicates better plant health and nutrient utilization due to resistant variety and sulphur application.

Yield and Economics

Particulars	Farmer Practice	Demon.
Yield (qt./ha)	04.60	6.30
Gross Return (₹/ha)	45,291	60,029
Cost of Cultivation (₹/ha)	14,800	15,900
Net Return (₹/ha)	30,491	46,129
Benefit : Cost Ratio	03.06	03.90
Yield Increase (%)	—	36.95

The improved technology resulted in 36.95% higher yield over farmers' practice with a substantial increase in net income

Varietal and growth performance

Particulars	Demon.	Farmer Practice
No. of dead plants/sq.m	1-2 Plants	3-5 plants
No. of capsules per branch	6-8	10-14

Outcome

The demonstrated Sesame variety GT-06, along with INM practices, showed better plant stand, higher number of capsules per branch, reduced plant mortality, and improved economic returns. Farmers visiting the demonstration plots were highly satisfied with the crop performance and expressed keen interest in adopting the improved variety and nutrient management practices in the coming seasons.

Impact

The successful demonstration established GT-06 as a promising Sesame variety for the district. Adoption of this technology has the potential to Increase sesame productivity, Reduce disease-related losses, Enhance farmers' income, Promote sustainable nutrient management.





Quarterly Progress Report (Oct-December, 2025)

S.No.	Activities	Achievements
1.	On- Farm Trials Conducted (Nos.)	51
2.	Frontline Demonstrations Conducted (Nos.)	17490
3.	No. of Farmers and farm women Trained (Nos.)	4860
4.	No. of Extension Personnel Trained (Nos.)	1650
5.	Production of Seeds (in Quintals)	9157
6.	Production of Planting materials (in lakh)	13.30
7.	Production of livestock strains and fingerlings (in lakh)	4.685
8.	Soil and water samples tested (Lakh.)	0.01803
9.	No. of Farmers provided mobile agro-advisory (in lakh)	11.85
10.	No. of Farmers and other stakeholder benefitted through various Extension Activities (in lakh)	1.75



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