



PROCEEDINGS

**ANNUAL ZONAL WORKSHOP OF KVKs OF ZONE-I
(PUNJAB, HIMACHAL PRADESH, UTTARAKHAND, JAMMU & KASHMIR AND LADAKH)**

22-24 December, 2025



**ICAR-AGRICULTURAL TECHNOLOGY APPLICATION RESEARCH INSTITUTE
ZONE-I, PAU CAMPUS, LUDHIANA - 141 004, PUNJAB**

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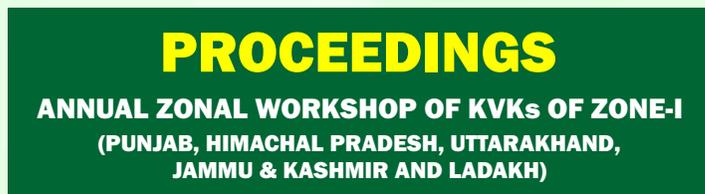
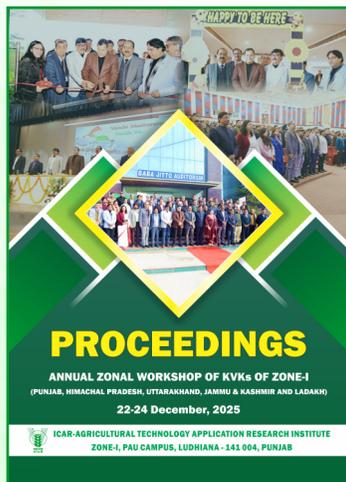


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CONTENTS

S. No.	Title	Page
1.	Inaugural Session	1
2.	Lead Lectures & Thematic Deliberations	3
3.	Brainstorming Session	8
4.	Progress Report on Extension Education, Trainings & Outreach Activities	12
5.	Way Forward & Recommendations	16
6.	Valedictory Session	22
7.	Awards & Recognitions	24
8.	Annexures	25
	8.1. List of Participants of Annual Zonal Workshop of KVKs of Zone-I	25
	8.2. Overall Organising Team	28
	8.3. Technical Program	29

ANNUAL ZONAL WORKSHOP OF KRISHI VIGYAN KENDRAS Zone -I

22 - 24 December, 2025

Organisers

ICAR- Agricultural Technology Application Research Institute
Ludhiana

&

Sher-e-Kashmir University of Agricultural Sciences & Technology
of Jammu





भाकृअनुप
ICAR

INAUGURAL SESSION

1

Annual Zonal Workshop of the KVKs of Zone-1 was jointly organized by the ICAR ATARI Ludhiana and SKUAST Jammu during 22nd and 24th December 2025. Inaugural session of the workshop took place on December 22, 2025, in the Baba Jito Auditorium, SKUAST Jammu. Shri Javid Ahmad Dar, Minister for Agriculture Production, Rural Development, Panchayati Raj, Cooperatives and Election Departments, Government of Jammu and Kashmir, graced the inaugural session as Chief Guest of the function. The event was attended by several eminent dignitaries, including Dr Rajbir Singh, Deputy Director General (Agricultural Extension), ICAR; Prof. B. N. Tripathi, Vice-Chancellor, SKUAST-Jammu; Dr Parvender Sheoran, Director, ICAR-ATARI, Ludhiana; and Dr Amrish Vaid, Director of Extension Education.

Addressing the gathering, Shri Javid Ahmad Dar emphasized that the country is yet to realise its full agricultural potential and that farmer distress continues to be a major concern. He stressed the need to ensure that farmers are fully integrated into the mainstream of development and called for further strengthening of the university–KVK network to support farming communities. Referring to the Holistic Agriculture Development Programme (HADP), he noted that initiatives such as rural exploration would yield positive outcomes in the coming years, while underscoring that developmental programmes should not compromise the teaching mandate of agricultural universities.

Prof. B. N. Tripathi, Vice-Chancellor, SKUAST-Jammu, traced the evolution of India's agricultural research system





from a food-deficit era to becoming a global exporter of agricultural commodities. He underscored the strength of the Indian system in its close integration of research and extension, noting that the KVK–farmer network is among its most successful components. He cautioned that any dilution of the KVK network would weaken farmer linkages and assured that both the university and the state government are making substantial investments to strengthen KVKs. He also expressed optimism regarding the resolution of issues related to staff pay norms and the filling of vacant positions.

Dr Rajbir Singh, highlighted that although Zone-I accounts for only about four per cent of the country's cultivated area, it contributes nearly ten per cent of the national agricultural output. He described the workshop as an important platform for cross-learning and experience sharing among KVKs across states. Identifying climate change as the most significant challenge confronting agriculture in the zone, he stressed the need to sensitise and train farmers in climate-resilient farming practices, reiterating that KVKs must function as one-stop solution centres for farmers. He also spoke on the Viksit Krishi Sankalp Abhiyan (VKSA) as a tool for problem identification and demand-driven research, informed that VKSA publications have been disseminated nationwide, and highlighted initiatives such as developing farmers as Master Trainers and Professor Practitioners. Conservation agriculture, high-density apple planting, integrated pest management with residue-free production for export, and efforts to address large-scale vacancies in KVKs were also highlighted.

Earlier, Dr Parvender Sheoran, Director, ICAR-ATARI, Ludhiana, presented a comprehensive overview of Zone-I, highlighting its agro-ecological diversity, strengths, and constraints across states, KVKs, and host institutions. He drew attention to increasing climatic vulnerabilities, including recent flood events and rising temperatures during March–April, and flagged concerns related to vacant positions and an ageing workforce in KVKs. He emphasized that the primary objective of the workshop is to review annual progress and develop a demand-driven zonal action plan for the upcoming year.



LEAD LECTURES & THEMATIC DELIBERATIONS

2

Lead Lecture-1: Operational Guidelines and Financial Support for Farmers' Participatory KVK-led Projects – NABARD Initiatives (Mr. Amit Kumar, AGM, NABARD, Jammu)

The lecture apprised KVK scientists of NABARD's operational framework, funding mechanisms, and financial support for farmer-participatory and KVK-led initiatives. NABARD's role as an apex rural financial institution, with focus on farm credit, supervision of rural financial institutions, and rural infrastructure development, was highlighted. Major funding windows and the structured process of project formulation, appraisal, approval, and monitoring were explained. The session emphasized strengthening NABARD–KVK collaboration for sustainable and impactful rural development.

Key Insights

- Develop need-based, well-structured concept notes aligned with NABARD funding windows.
- Strengthen technical backstopping, farmer mobilization, and field-level implementation under NABARD-supported projects.
- Ensure convergence with line departments, FPOs, and other stakeholders for greater impact.
- Systematically document project outcomes, innovations, and success stories for replication and scaling.
- Focus on sustainability and long-term adoption of interventions beyond the project period.



Lead Lecture-2: On-Farm Processing and Marketing Models for Farmers (Dr. Sandeep Mann, Principal Scientist (AS&PE) & Head (AS&EC) Division, ICAR-CIPHET, Ludhiana)

The lecture emphasized enhancing farm income through post-harvest value addition, on-farm processing, and market-linked models, with a focus on smallholders. It highlighted post-harvest losses and low processing levels as key constraints to income and nutrition. Various farmer-, FPO-, and market-led processing models were discussed in terms of viability and scalability. The role of ICAR–CIPHET and policy convergence was underscored for scaling sustainable agri-enterprises and generating income and employment.

Key Insights

- Identify and promote location-specific, low-cost on-farm processing and value addition technologies.
- Facilitate establishment of individual, FPO-led, and custom processing units through demonstrations and handholding.



- Strengthen capacity building on entrepreneurship, processing skills, quality standards, and market linkage.
- Converge with schemes such as AIF, ODOP, PMKSY, and MSME for financial and policy support.
- Document and disseminate successful processing and marketing models for replication and scaling.

Lead Lecture-3: Protected cultivation in Himachal Pradesh: Status, economics, constraints and policy implications (Pankaj Sood, Head, KVK Mandi, HP)

The lecture shared survey-based findings on the growth of protected cultivation in Himachal Pradesh over the last 25 years and its positive impact on income and employment of small and marginal farmers. It highlighted the role of socio-economic and socio-psychological factors, along with the economics and constraints of different cropping systems under protected conditions. The need for location-specific, low-cost technologies, market and post-harvest support, and stronger institutional backing was emphasized. Replication of such studies across states was suggested for generating zone-specific policy inputs.

Key Insights

- Promote protected cultivation among small, marginal, and BPL farmers through need-based advisories and policy convergence.
- Facilitate adoption of low-cost, location-specific protected structures suitable for hilly regions and small landholdings.
- Strengthen capacity building on crop planning, pest and disease management, and post-construction management of polyhouses.
- Support formation and strengthening of FPOs/FPCs of protected growers for collective input management and marketing.
- Enhance market intelligence, post-harvest handling, storage, and transportation support for perishable produce.
- Assist in documentation, replication of survey tools, and feedback to support zone-specific policy inputs and resilience measures, including repair and maintenance support after natural calamities.



Lead Lecture-4: Participatory Seed Potato Production: Strengthening KVK–CPRI Linkages (Dr. Sukhwinder Singh, Scientist, ICAR–CPRI, Shimla)

The lecture highlighted the critical role of quality seed in enhancing potato productivity and emphasized participatory potato seed production as a promising enterprise for KVKs through collaboration with ICAR–CPRI. It underscored the need to address seed degeneration and bridge the deficit of quality seed through a combination of conventional and hi-tech approaches, including tissue culture and aeroponics. The focus was on early generation seed production supported by strong capacity building, quality assurance, and institutional linkages. The session concluded that potato seed production is a future-ready, high-demand enterprise requiring proactive KVK engagement.

Key Insights

- Create awareness among farmers on the importance of quality seed and risks of seed degeneration.
- Promote participatory potato seed production as an agri-enterprise for progressive farmers and rural youth.



- Facilitate adoption of hi-tech seed production systems, including tissue culture and aeroponics.
- Support establishment of G-0/minituber production units through net houses and aeroponic systems.
- Strengthen linkages with ICAR–CPRI for breeder seed access, protocols, and quality assurance.
- Encourage involvement of FPOs/FPGs in seed production for scaling and market access.

Lead Lecture-5: Crop Diversification through Maize in North-Western Plains: Convergence with KVKs (Dr. Ramesh Kumar, Principal Maize Breeder, ICAR–IIMR, Ludhiana)

The lecture highlighted maize as a climate-resilient and water-efficient alternative to rice for diversifying the rice–wheat system in north-western India, with KVKs playing a central role in technology dissemination. It emphasized the need for strong policy support, including MSP and assured market linkages, to build farmer confidence for large-scale adoption. The importance of demonstrating profitable maize-based cropping systems and Conservation Agriculture practices was underscored to enhance productivity, resource-use efficiency, and sustainability. Promotion of improved and biofortified maize hybrids through convergence with ICAR–IIMR was identified as a key takeaway.

Key Insights

- Conduct large-scale on-farm demonstrations of maize-based diversified cropping systems and CA practices.
- Promote improved and bio-fortified maize hybrids developed by ICAR–IIMR through trials and trainings.
- Facilitate farmer awareness on water savings, productivity gains, and economic viability of maize systems.
- Strengthen convergence with ICAR–IIMR, line departments, and markets for seed, technology, and procurement support.
- Advocate policy support measures and document field evidence to support maize-based diversification.

Lead Lecture-6: Unlocking Additional Income through Regenerative Agriculture – Carbon Credit Opportunity (Mr. Naveen Kumar, Agronomy Manager (Carbon), Grow Indigo)

The lecture highlighted carbon credit–linked regenerative agriculture as an emerging income opportunity for farmers, with Grow Indigo playing a key institutional role through its technology-driven and farmer-centric model. It explained the scientific basis of carbon farming, the carbon market mechanism, and the long-term project framework supported by digital enrolment and monitoring. The recent MoU between Grow Indigo and ICAR–ATARI was emphasized as a major step for scaling carbon farming through KVKs. Overall; the session underscored the potential of carbon credits to enhance farm income while contributing to climate change mitigation.

Key Insights

- Sensitize farmers on carbon farming and carbon credits as a supplementary income opportunity.
- Strengthen field demonstrations of regenerative practices such as DSR, reduced tillage, and residue management.
- Explore institutional collaboration with Grow Indigo for pilot projects and learning.
- Integrate capacity building on climate-smart and regenerative agriculture into regular extension programmes.
- Promote digital literacy and facilitate farmer onboarding to carbon farming platforms.

Lead Lecture-7: Transforming Apple Ecosystem: A KVK and CITH Endeavour (Dr. M. K. Verma, Director, ICAR–CITH, Srinagar)

The lecture reviewed the status, constraints, and future opportunities of the temperate fruit ecosystem in the North-Western Himalayan region, with emphasis on apple-based horticulture. It highlighted major productivity gaps arising from old and senile orchards, limited adoption of modern technologies, and inadequate availability of quality planting

material. Emerging opportunities in nursery entrepreneurship, crop diversification, high-density planting, and climate-resilient horticulture were discussed. The session underscored the pivotal role of ICAR–CITH and KVKs in transforming the regional horticulture sector through coordinated research–extension efforts.

Key Insights

- Promote replacement of old orchards with improved varieties and high-density planting systems.
- Facilitate access to quality planting material through nursery entrepreneurship and accredited nurseries.
- Strengthen demonstrations and trainings on scientific orchard management and climate-resilient practices.
- Encourage diversification into small fruits and niche temperate crops.
- Enhance convergence with ICAR–CITH, SAUs, and market agencies for technology validation, scaling, and value chain development.



Lead Lecture-8: Tackling Ground-Level Challenges and Constraints in Horticulture Development in North-Western Hills (Mr. Jitender Chauhan, Managing Director, Khetiyari, Rohru, Shimla)

The lecture examined field-level constraints affecting apple-based horticulture in hill regions, highlighting productivity losses due to aging orchards, outdated varieties, poor canopy management, declining soil health, and climate change impacts. It emphasized the limited adoption of modern, science-based technologies and low farmer awareness as key bottlenecks. The need for orchard rejuvenation, high-density planting, improved orchard architectures, and climate-resilient practices was underscored. The session reaffirmed the critical role of KVKs and research institutions in validating technologies and strengthening last-mile extension for sustainable hill horticulture.

Key Insights

- Promote orchard rejuvenation through top-working, phased replanting, and adoption of improved, climate-resilient varieties.
- Strengthen field demonstrations and trainings on scientific pruning, canopy management, and soil health management.
- Integrate climate-resilient horticultural practices into regular KVK extension programs.
- Facilitate scientific evaluation and local validation of advanced orchard systems (SOS/UFO) in collaboration with CITH and SAUs before large-scale promotion.
- Improve outreach in remote hill areas through farmer field schools, exposure visits, and need-based advisories.



Lead Lecture-9: Emerging Mechanization Solutions for Small & Marginal Hill Farmers (Dr. S. P. Singh, Scientist, ICAR–CIAE, Bhopal)

The lecture highlighted the need for region-specific, scale-appropriate mechanization for hill agriculture, stressing that conventional machinery is unsuitable for fragmented holdings and sloping terrains. It emphasized promotion of lightweight, low-cost, energy-efficient and women-friendly tools to reduce drudgery and improve productivity of small

and marginal farmers. Strengthening Custom Hiring Centres with hill-specific equipment and promoting mechanization-based rural entrepreneurship were identified as key strategies. The session reaffirmed the central role of KVKs in testing, demonstrating and validating appropriate mechanization technologies through institutional convergence.

Key Insights

- Promote and demonstrate lightweight, low-horsepower and women-friendly farm tools suitable for hill and terrace farming.
- Undertake on-farm testing and frontline demonstrations of hill-specific mechanization technologies.
- Facilitate strengthening of CHCs with appropriate hill machinery and link farmers to hiring services.
- Encourage rural youth entrepreneurship in mechanization services, including hiring, repair and maintenance.
- Strengthen convergence with ICAR institutes, SAUs and State Departments for technology refinement and scaling.

Lead Lecture-10: Salient Features and Operational Processes of Kisan Sarathi 2.0 (Dr. Sanjeev Kumar, ICAR-IASRI, New Delhi)

The lecture highlighted the transformative role of Kisan Sarathi 2.0 in strengthening last-mile digital extension through an inclusive, farmer-centric advisory ecosystem. It emphasized the platform's wide outreach, integration with digital tools, schemes, FPOs and grievance redressal mechanisms, and its design to serve both digitally equipped and less-connected farmers. The role of Common Service Centres in farmer onboarding and support was underscored. The session concluded that proactive engagement of KVKs is critical for mainstreaming Kisan Sarathi into regular extension workflows.

Key Insights

- Actively promote farmer registration and onboarding on Kisan Sarathi 2.0.
- Integrate Kisan Sarathi advisories and modules into routine KVK extension activities.
- Encourage farmers to use the platform for advisories, expert consultations and trainings.
- Leverage CSCs to support digitally less-literate farmers.
- Strengthen feedback mechanisms to improve content relevance and platform usability.



3

BRAINSTORMING SESSION

The session commenced with a brief overview presented by Dr. Parvender Sheoran, Director, ICAR-ATARI, Ludhiana, outlining the objectives, methodology, and expected outcomes of the exercise. The deliberations were designed to actively engage KVK officials and subject matter specialists in a systematic process of identifying key regional challenges, scientifically prioritizing them using appropriate analytical tools, and formulating actionable, solution-oriented strategies. The session thus emphasized strengthening agricultural extension mechanisms and promoting farmer-centric interventions across the zone, and outlined the following key strategies as under:

Objective of the Zonal Action Plan: The primary objective was to formulate a comprehensive zonal action plan ensuring active participation of KVK officials across different disciplines in problem identification, prioritization, and solution development, thereby enhancing the relevance, ownership, and effectiveness of the proposed interventions.

Problem Identification: At the first stage, key issues were identified at the state level based on their impact, urgency, and relevance to farmers and associated institutions. These state-specific problems were then systematically compiled and consolidated to arrive at a zonal list that most significantly affect agricultural development and farmer livelihoods across the region.

Ranking and Analytical Framework: To ensure scientific prioritization, a structured analytical framework was adopted. Subject matter experts ranked each identified problem on a scale of 1 to 10, with 1 indicating the highest priority. Frequency analysis was carried out to identify issues recurring across multiple states, thereby highlighting region-wide common challenges. Further, the Rank Based Quotient (RBQ) was calculated to determine the relative importance of each problem, ensuring that prioritization was evidence-based, transparent, and participatory.

Outcome of the Prioritization Process: This systematic and analytical approach ensured that the identified problems were not merely listed but rigorously prioritized. As a result, the zonal action plan gained greater scientific credibility, clarity of focus, and practical applicability, making it more actionable for effective implementation.

Team Formation and Responsibilities: For effective operationalization of the zonal action plan, a three-tier team structure was proposed. This structure clearly delineates roles and responsibilities at different levels, facilitating coordinated planning, execution, monitoring, and evaluation of the identified interventions across the zone.



	Level-1	Level-2	Level-3
Role	Zonal Coordination	State Level Monitoring	KVK Level Implementation
Team formation	Director of Extension Education (DEE)	Programme Coordinators (PCs) nominated as State Nodal Officers	Concerned Subject Matter Specialists (SMS) and ATARI staff
Responsibility	Coordinate activities, provide guidance, compile reports, and present consolidated findings	Monitor data collection, ensure analysis at the state level, validate findings, and maintain accountability	Collect grassroots data, engage directly with farmers, and provide feedback for refinement. This tiered structure ensures clarity of roles, accountability, and smooth flow of information from the grassroots to the zonal level

Expected Outcomes

- Focus on outcome-oriented planning by moving beyond problem identification to actionable, solution-driven interventions
- Promoting convergence by breaking institutional, state, and disciplinary silos with strong farmer participation
- Adoption of data-driven prioritization and evidence-based decision-making
- Ensuring field-level readiness through FLDs, OFTs, demonstrations, and identification of adoptable technologies

This outcome framework ensures that the zonal action plan is dynamic, participatory, and solution-oriented.

After extensive discussion and deliberation by the AZW participants during the breakout sessions, a total of 11 zonal-level and 6 state-specific problems were prioritized across six thematic areas, namely Crop Protection, Crop Production, Horticulture, Animal Science, Agricultural Engineering/Extension/Economics, and Home Science. The details are as under: (PTO)

Actionable Governance and Accountability Framework for Discipline-wise Action Plans Addressing Zonal and State-Specific Agricultural Issues

Identification and Prioritization of Zonal and State-Specific Issues: Discipline-wise zonal and state-specific agricultural issues have been systematically identified and prioritized during the Annual Zonal Workshop (AZW), providing a clear evidence-based foundation for focused interventions, structured planning, and accountable implementation across the Zone.

Constitution of Discipline-wise Nodal Teams: For each prioritized discipline/problem, Nodal Teams comprising DEEs/PCs have been formally constituted with defined roles and responsibilities to ensure coordinated planning, execution, and reporting (**Action: ICAR-ATARI**).



Discipline	Zonal Team	Zonal Problem(s)	State Problem(s)
Crop Protection	Nodal DEE(s): Drs. Amrish Vaid (SKUAST-J) & Vinod Kumar (CSKHPKV) State Nodal Team: Drs. MS Bons (PB), Pankaj Sood & Anurag Sharma (HP), Nirmala Bhatt (UK), Arvind Ishar & Jaffer Badri (JK)	<ul style="list-style-type: none"> • Incidence of Fall Army Worm (FAW) in Maize • Fruit fly damage in Guava/Cucurbits • Mite/Alternaria Leaf Spot in apple 	<ul style="list-style-type: none"> • False smut in Paddy (Himachal) • Dwarfing virus in Paddy (Punjab) • Codling moth in apple (Ladakh)
Crop Protection	Nodal DEE(s): Drs. Rehana (SKUAST-K) & Jitender Kwatra (GBPUAT) State Nodal Team: Drs. Harender Singh & Raminder Kaur (PB), Sanjay Sharma (HP), Sanjay Rathi (UK), Ajay Gupta & Bilal Ahmed (JK), Tundup (Ldk)	Imbalance use of fertilizers (macro & micro nutrients) in system perspective <ul style="list-style-type: none"> • Punjab: Rice/ Maize/ Cotton-Wheat or Rice-Potato-Spring Maize • Himachal: Rice/Maize-Mustard • Uttarakhand: Rice/ Maize-Wheat/ Mustard • Jammu & Kashmir: Rice/ Maize-Wheat/ Mustard • Ladakh: Barley/ Vegetables 	-----
Horticulture	Nodal DEE(s): Dr. Inder Dev (YSPUHF) State Nodal Team: Subtropical: Drs. Bikramjit Singh (PB), Pankaj Mittal (HP), AK Sharma (UK) & Sanjay Khajuria (JK) Temperate: Drs. Ishtiyak Khan & Javeed Mugloo (JK), Amit Vikram & Ramesh Rana (HP) Dry Temperate: Pramod Sharma (HP), Diskit & Mohd. Mehndi (Ldk)	<ul style="list-style-type: none"> • Fruit drop in Kinnow (Sub-tropical region) • Quality planting material in apple (Temperate region) • Production Technologies in Apple (Dry Temperate) 	-----
Animal Science	Nodal DEE(s): Dr. R.S. Grewal (GADVASU) State Nodal Team: Drs. Aparna (PB), Surendra Bansal (HP), Sanjay Choudhary (UK), Parul Gupta & Nazir Ahmad (JK), Feroz (Ldk)	<ul style="list-style-type: none"> • Infertility in dairy animals 	<ul style="list-style-type: none"> • Mycotoxin (Punjab) • Mastitis (Uttarakhand)
Engineering/ Extension	Nodal DEE(s): Dr. M.S. Bhullar (PAU) State Nodal Team: Drs. Rakesh Kumar Singh, Ajaib Singh & Gurdeep Singh (PB), DS Yadav (HP), Purshottam (UK), Banarsi Lal & Liyakat Choudhary (JK)	<ul style="list-style-type: none"> • Lack of adoption of climate resilient varieties • Protected cultivation 	<ul style="list-style-type: none"> • Farm mechanization in Paddy (Punjab)
Home Science	Nodal Team: Drs. Preeti (ATARI), Gurupdes Kaur (PAU) & Neetu Sharma (CSKHPKV); State Nodal Team: Drs. Sukhdeep Kaur & Divya (PB); Kavita Sharma (HP); Pratibha Singh & Deepti Kothari (UK), Sheetal Badyal & Bhinish Shakeel (JK)	<ul style="list-style-type: none"> • Value addition and processing in Cereals/Pulses/Oilseeds 	-----

Roles, Responsibilities, and Accountability of Nodal Teams: The designated Nodal Team shall be fully accountable for end-to-end planning and execution of assigned activities. This shall include identification and onboarding of participating KVKs, preparation of a comprehensive and time-bound implementation plan, development of detailed survey schedules, formulation of context-specific and technically sound technological packages, and finalization of standardized protocols for data collection, validation, analysis, and presentation of results (**Action: Nodal Team**).

Immediate Operationalization of Approved Action Plans: Necessary technical, and operational actions shall be initiated immediately to operationalize the approved plans, ensuring timely commencement of field activities and adherence to agreed timelines and deliverables (**Action: Nodal Team**).

Facilitation and Human Resource Coordination by ICAR-ATARI: ICAR-ATARI shall play a facilitative and coordinating role by providing discipline-wise lists of Subject Matter Specialists (SMSs) working in different KVKs across Zone-1 to the respective Nodal Teams, thereby ensuring optimal utilization and deployment of available human resources. This activity shall be completed within three days of receipt of the AZW Proceedings (**Action: ICAR-ATARI**).

Submission of Actionable Plans and Timelines for Monitoring and Review: Complete, finalized, and approved details regarding Nodal Team composition, participating KVKs, survey schedules, and technological packages shall be submitted to ICAR-ATARI by February 2026, enabling effective monitoring, periodic review, mid-course correction, and accountability of progress against clearly defined timelines and outcomes (**Action: Nodal Team**).

Chairman's Remarks

Dr. Randhir Singh concluded the session by appreciating the systematic identification of key problems while emphasizing the need to accord equal priority to solution development. He stressed that proposed solutions should be guided by three core principles:

Economical: Affordable and accessible to farmers.

Impactful: Capable of creating measurable change in productivity and livelihoods.

Time-bound: Implemented within clear timelines to ensure accountability.

His remarks strongly reinforced the need to shift from a predominantly problem-centric approach to a solution-centric planning framework, wherein identified challenges are matched with practical, farmer-friendly, and implementable interventions capable of delivering tangible outcomes at the field level.



4

PROGRESS REPORT ON EXTENSION EDUCATION, TRAININGS & OUTREACH ACTIVITIES

Directors of Extension Education (DEEs) of seven SAUs presented ATR, Consolidated Progress Report, ATIC Report, Technological Backstopping, Major Contributions, and New Initiatives of the KVKs under their respective host organization.

Dr. Makhan Singh Bhullar, Director of Extension Education, PAU, Ludhiana, presented a detailed account of the extension and frontline activities undertaken by the 18 KVKs under PAU's jurisdiction. The presentation highlighted key interventions such as the **“One Village - One Technology”** programme, crop diversification, crop residue management, resource conservation technologies, soil health management, integrated nutrient, weed, disease and pest management, single-window utility services, Kisan Sarathi registrations, seed production and sale, and technical backstopping to SHGs and FPOs. He also shared the findings of six major On-Farm Trials (OFTs), with particular emphasis on the **performance of pneumatic planters in gobhi sarson**. The Chairman appreciated the exemplary role of PAU-KVKs during flood situations in Punjab, while the Director, ICAR-ATARI, Ludhiana, commended their achievements in crop residue management. The Chairman directed that OFT recommendations should be incorporated into the University's Package of Practices (POPs) and that the contributions of KVK scientists should be duly recognized. The Director, ATARI further emphasized **systematic documentation of the “One Village – One Technology” programme and flood relief interventions**, and suggested convening an urgent **meeting of the Hon'ble Vice-Chancellor, Comptroller and DEE, PAU to improve financial efficiency and budget utilization** by PAU-KVKs.

Dr. Raihana Habib Kaith, Director of Extension Education, SKUAST-K, Srinagar, presented the consolidated progress report of 14 KVKs covering Kashmir and Ladakh. The major highlights included promotion of **agro-tourism in rural areas, filling of 38 scientific and ministerial vacancies** during 2024–25, and strengthening of KVK infrastructure through custom hiring centres, laboratory equipment and high-tech polyhouses under the Holistic Agriculture Development Programme (HADP). The Chairman underscored the need for **continuous capacity building of KVK scientists and staff** and suggested seeking support from former DDGs and ADGs for streamlining the KVK system, along with proper **documentation of HADP success stories**. The Director, ATARI observed that the Annual Technical Report (ATR) was largely subjective and instructed circulation of a **standardized impact assessment proforma** across Zone-I. He further stressed **documentation of success stories related to mustard and rice cultivars SR-2 and SR-4**, and appreciated SKUAST-K for reverting unutilized hostel funds to ICAR.



Dr. Vinod Sharma, Director of Extension Education, CSKHPKV, Palampur, Himachal Pradesh, presented the performance of eight KVKs under his jurisdiction, highlighting the **natural farming project and mass media extension model**. He reported that five natural farming technologies were validated and incorporated into the University POPs in 2025, and that the “One Village – One Technology” programme had been widely popularized. The



Director, ATARI emphasized that **KVK scientists and staff should be engaged strictly in mandatory KVK activities** and encouraged quality publications. He directed undertaking a **SWOT analysis of natural farming practices with preparation of a comprehensive document** and emphasized focused, topic-specific capacity-building programmes for scientists.

Dr. Jitendra Kwatra, Director of Extension Education, GBPUAT, Pantnagar, Uttarakhand, presented the work of nine KVKs, highlighting **adoption of climate-resilient technologies and the potential of goat farming** in the state. He informed that Uttarakhand has the **highest number of GI-tagged products (18) in the country** and drew attention to the **increasing human-wildlife conflict in hilly regions**. Promotion of millets and pulses as climate-adaptive crops was emphasized. The Director, ATARI instructed **submission of details on patents, technology certifications, GI tags and variety registrations** for national-level highlighting, and called for **common guidelines for documenting farmer feedback**. He also sought lists of villages selected under the “One Village – One Technology” programme and emphasized targeted capacity-building programmes for scientists. The Chairman stressed the application of design thinking in guideline development, sought information on farmer queries received through ATIC, and advised maintaining uniformity in query categorization. He also directed avoidance of duplication between Farmers FIRST Project and KVK activities and suggested **national-level capacity-building programmes for DEEs through institutes like NAARM or MANAGE**. Dr. M.K. Verma, Co-Chairman, expressed concern over the declining trend in temperate fruit cultivation in Uttarakhand and suggested formulation of a comprehensive support plan for fruit growers.

Dr. R.S. Grewal, Director of Extension Education, GADVASU, Ludhiana, presented the work of three KVKs, highlighting interventions in livestock improvement, development of mineral mixtures for fisheries, **poultry-cum-dairy integration**, goat-cheese preparation, and the successful implementation of an agri-drone project at KVK Barnala. He also highlighted university initiatives such as **milking competitions and support to livestock farmers during floods**. The Chairman emphasized strengthening the capacity of field functionaries of the State Animal Husbandry Department and utilizing their services for livestock sector development. He further pointed out the strong **funding potential in fisheries and animal husbandry** and suggested **preparation of multidisciplinary projects** in these sectors.



Dr. Amrish Vaid, Director of Extension Education, SKUAST-J, Jammu, presented the activities of nine KVKs, highlighting establishment of a **community radio station**, custom hiring centres, **branding and packaging units** for



agricultural products, and **seed backstopping** for field and vegetable crops. The Chairman advised **effective utilization of revolving funds for KVK development** and appreciated the strong technical backstopping provided by the Directorate to the KVKs.

Dr. Inder Dev, Director of Extension Education, YSPUHF, Solan, presented the work of five KVKs, emphasizing SWOT analysis and standardization of production technologies for horticultural crops. He highlighted **opportunities in natural farming, horticulture tourism and food processing** in the hilly state, and informed that **production technologies** for crops such as kiwi, apple, peach, plum and other stone fruits have been **standardized under natural farming**. The Chairman appreciated the **CETARA certification** work carried out in the area of natural farming.

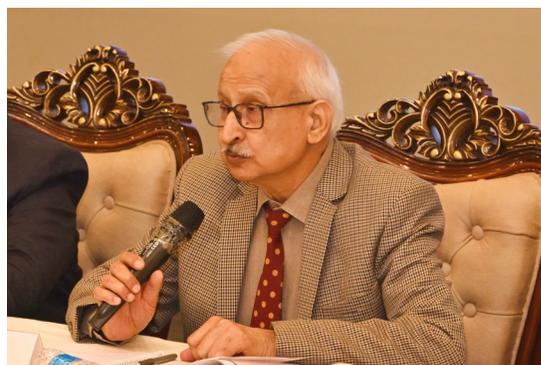
The Director of Extension Education, VCSGUHF, Bharsar, did not attend the workshop, and no prior information regarding his participation or non-participation was received by ICAR-ATARI. The Chairman took serious note of the matter and directed that **a letter be issued to the Hon'ble Vice-Chancellor of the University, requesting intervention and appropriate action in this regard**.

Chairman's Remarks

In his concluding remarks, the Chairman of the Session, Dr. V. P. Chahal, appreciated the collective efforts of all seven Directors of Extension Education (DEEs) of the State Agricultural Universities (SAUs) of Zone-I for their commendable work in making the Krishi Vigyan Kendras vibrant, responsive, and functionally strong within the National Agricultural Research System (NARS). He emphasized the **need to design and implement well-structured human resource development and capacity-building programmes for the Directorates of Extension, KVKs, and officers of allied departments across Zone-I**.

Dr. Chahal further suggested that each DEE should constitute **a dedicated think tank** comprising university scientists and experts from sister institutions, including ICAR institutes, **to support informed prioritization and effective implementation of extension activities**. Highlighting the emerging importance of advanced technologies, he stressed the **need to strengthen the digitization of agriculture**, with special emphasis on the adoption of IoT, robotics, agri-drones, and other smart technologies. He also advocated for the **institutionalization of the Farmer FIRST approach** across all SAUs of Zone-I at the zonal level **to ensure farmer-centric research and extension planning**.

The Chairman instructed that each DEE should undertake a **comprehensive SWOT analysis of their respective Directorates of Extension and prepare a perspective plan along with a 10-year vision**



document, in consultation with the Director, ICAR-ATARI, Ludhiana. He further recommended that representatives of ICAR-ATARI, Ludhiana, should mandatorily attend the Scientific Advisory Committee (SAC) meetings of KVKs in Zone-I to strengthen coordination and oversight.

Dr. Chahal also expressed **concern regarding the salary payments of 36 supporting and ministerial staff at GBPUAT, Pantnagar**, which are currently being made from the revolving funds of the respective KVKs, **cautioning that such practices may lead to audit objections in the future** and therefore require **urgent review and corrective action**.



5

WAY FORWARD & RECOMMENDATIONS

Submission of Point-wise ATR by DEEs

DEEs shall submit precise, point-wise Action Taken Reports (ATRs) addressing the suggestions discussed during the AZW. ATRs must be submitted within 15 days of receipt of the proceedings to ensure timely follow-up and accountability.

Timely Organization of SAC Meetings

SAC meetings of several KVKs have not been organized on time. In consultation with the respective DEEs, it has been decided that SAC meetings for KVKs under various host organizations must be conducted as per the following schedule:

Name of SAU	Month of completion
PAU, Ludhiana	Mid-January to Mid-February
SKUAST-K, Srinagar	Kashmir: Before April
	Ladakh: September-October of the previous year
SKUAST-Jammu	November (previous year) to February
CSKHPKV, Palampur	Lahaul & Spiti: September-October
	Other KVKs: Mid-January to Mid-February
Dr. YSPUH&F, Solan	Lahaul & Spiti: September-October
	Other KVKs: By Mid-February
GBP UA&T, Pantnagar	Hill KVKs: Mid-February to Mid-March
	Plain KVKs: December (previous year) to January
UUHF, Bharsar	Mid-February to Mid-March

Site Selection for New/Additional KVKs at Chamoli, Pithoragarh, Udhampur, and Malerkotla

Host organizations must provide land records in their name to facilitate visits by the site-selection committee. Despite multiple reminders, the issue remains pending. Necessary action must be completed by the end of February, failing which the reversal process may be initiated at the ICAR.

Discipline-wise Action Plans for Addressing Zonal and State-Specific Agricultural Issues

- Discipline-wise zonal and state-specific agricultural problems have been prioritized during the Annual Zonal Workshop (AZW).
- Nodal Teams comprising DEEs/PCs have been constituted for each prioritized discipline/problem. The designated Nodal Team shall be responsible for identifying participating KVKs, prepare a detailed implementation plan, develop the survey schedule, formulate appropriate technological packages, finalize

protocols for data collection, analysis, and presentation of results. Necessary action shall be initiated immediately to operationalize the approved plans.

- ICAR–ATARI shall facilitate the process by providing discipline-wise lists of Subject Matter Specialists (SMSs) working in different KVKs across Zone-1 to the respective Nodal Teams. List of discipline wise SMS is available at <https://docs.google.com/spreadsheets/d/1qQL4FoINAm4sNUV-cLoRjDRVgU4aRBImZWWI0-H2xhM/edit?usp=sharing>.
- Complete information regarding team formulation, survey schedule, and technological packages shall be shared by February 2026.

KVK Human Resource Strengthening

- Vacant scientific, technical, and support staff positions in KVKs should be filled on priority. Planned approach for workforce rejuvenation is essential to address the aging workforce, maintain institutional efficiency and continuity of extension services.
- Minimum tenure norm of 5 year duration for KVK staff, once posted at a particular KVK, be strictly enforced to ensure continuity, institutional stability, and effective implementation of programmes and projects.
- All transfer and posting orders of KVK staff should be promptly intimated to ATARI to facilitate proper coordination, monitoring, and administrative oversight.

Governance & Accountability

- KVKs shall ensure strict compliance with ICAR-prescribed nomenclature for all staff positions to maintain uniformity and standardization across the network. Any deviations in designation, roles, or responsibilities must be corrected to align with ICAR norms, ensuring clarity in hierarchy, reporting, and accountability.
- KVK staff drawing salary under the KVK scheme while working elsewhere is adversely affecting KVK functioning. Such staff must be redeployed to KVKs immediately, failing which the DDO shall ensure that their salary is not drawn under the KVK scheme.
- KVK Heads are to be granted uniform financial powers of Rs. 50,000 for all purposes to improve working efficiency. Concerned DEEs must ensure strict implementation of this provision, as it has not been fully enforced so far.
- Establish project-wise Nodal Officers to ensure effective coordination, monitoring, and timely delivery of project activities. Clearly define roles, responsibilities, and performance indicators for each Nodal Officer.
- Few KVKs are undertaking projects/activities assigned by other organizations (including ICAR institutes and AICRP trials) without informing Host organisations/ICAR-ATARI, which is against directives. KVKs must inform ICAR-ATARI, Ludhiana before initiating such assignments, and strict compliance with this instruction is reiterated.
- DEEs of all SAUs must ensure their mandatory participation in Zonal Workshops. In case of their inability to attend, a senior and competent officer should be formally deputed to represent the University, with prior intimation to ICAR–ATARI. Non-participation without prior information or authorized representation should be viewed seriously, and the concerned University authorities may be advised to intervene and take appropriate action to ensure institutional accountability.

Outcome-Based Functioning of KVKs

- KVK activities should transition from activity-based reporting to outcome-oriented performance, focusing on measurable indicators such as technology adoption, income enhancement, entrepreneurship development, and livelihood improvement.
- Validated technologies and recommendations emerging from OFTs should be systematically incorporated into the respective Universities' Packages of Practices (POPs), with due recognition of contributing KVK scientists.

- Focused extension strategies should be adopted to improve adoption of proven technologies with low uptake, supported by baseline surveys, need-based demonstrations, and technology-specific modules.
- Host-organization-wise Annual Action Plans (AAPs) should be prepared, finalized, and approved in consultation with ATARI, ensuring alignment with institutional mandates, capacity-building needs, and clearly defined performance indicators. For effective coordination and quality assurance, KVKs under the same host organization should jointly share and present their AAPs through physical/virtual review meetings.
- KVKs shall introduce mandatory annual performance reporting by Nodal Officers against predefined indicators. Link performance outcomes with recognition, awards, and incentives to encourage accountability and motivation.
- Promote a culture of excellence, transparency, and results-oriented performance across projects.

Standardization of Annual Reporting

- KVK-wise Annual Reports shall strictly adhere to the reporting period from 1 April to 31 March. The complete reports be submitted by or before 15th May as per the prescribed timeline.
- All reports must include a clear impact assessment of major interventions, highlighting measurable outcomes and achievements.

Focused Village-Level Interventions

- All KVKs shall mandatorily adopt the “One Village–One Technology (OVOT)” approach to ensure focused interventions, improved visibility, and measurable grassroots-level impact.
- Each host organization shall submit a KVK-wise technology inventory covering problem identification and technological option by February 2026.
- KVKs shall present progress, outcomes, challenges, and key learnings under OVOT during the respective SAC meetings. DEEs shall present the comprehensive report during the AZW.

Scaling Climate-Smart, Conservation Agriculture, and Crop Diversification

- Scale up climate-smart and conservation agriculture technologies across the Zone, including AWD in rice, mechanical transplanting, conservation agriculture–based cropping systems, harvested rainwater-based IFS, energy-efficient practices, improved crop residue management etc.
- Strengthen crop diversification by promoting maize-based and other diversified cropping systems as viable alternatives to the rice–wheat system.
- Support diversification efforts through suitable hybrids, regenerative agricultural practices, IFS, processing and value chain, assured market linkages, and requisite infrastructure to enhance sustainability, profitability, and resource-use efficiency.
- KVKs should strengthen value chain-based interventions including seed production, branding, processing, agro-tourism, agri-drone services, and enterprise development through SHGs, FPOs, and community institutions.

Enhanced Production of Quality Seed and Planting Material

- KVKs shall actively increase the production of quality seed and planting material, with special emphasis on high-value enterprises, using participatory approaches. Needful technical backstopping and linkages with SAUs/ICAR institutes be ensured to promote entrepreneurship opportunities. Given its national significance, this initiative should be implemented on a larger scale by all KVKs.
- Systematic documentation and record-keeping shall be maintained on the quantity of seed and planting material produced and distributed. Records shall include number of farmers benefited and potential area covered, enabling impact assessment and evidence-based planning.

Leveraging Carbon Credit Initiatives through Regenerative and Carbon-Smart Agriculture

- Promote regenerative and carbon-smart agricultural practices to improve soil health, enhance ecosystem resilience, and reduce greenhouse gas emissions.
- KVKs shall facilitate farmer awareness, capacity building, and participation in carbon credit programmes through transparent, credible, and farmer-friendly mechanisms.
- Emphasis on systematic enrolment of farmers in carbon-linked regenerative practices to ensure measurable environmental benefits and additional income generation.

Leveraging NABARD, CSR Funds and Institutional Convergence

- Directorate/KVKs should prepare and submit comprehensive, well-designed, technically sound project proposals in identified niche areas of excellence, aligned with district agricultural development plans.
- NABARD schemes/CSR funding should be proactively explored/utilized for farmer-participatory projects with effective convergence of line departments, institutions, and other development agencies. Projects should emphasize long-term sustainability, farmer participation, and clearly measurable outcomes

Convergence-Driven Resource Mobilization & Accountability for Effective Service Delivery

- Leverage capital and recurring contingencies (trainings, demonstrations, extension activities, etc.) from other agencies through convergence. KVKs shall strengthen convergence with line departments to ensure efficient delivery of technologies, schemes, and extension services to farmers.
- Maintain systematic records of resource mobilization (other than ICAR) to track utilization and ensure transparency. Link additional resource mobilization with clear performance indicators for effective monitoring and accountability.
- KVK head may ensure joint meeting with district level officials while planning, implementation, and review of activities to avoid duplication, optimize resources, and enhance outreach. Clear role definition and coordination mechanisms should be established to ensure timely implementation and measurable outcomes.

Improving Financial Efficiency

- Streamline financial procedures to ensure transparent and timely utilization of funds, including milestone-based release of part payments. Delays in fund utilization by some KVKs have adversely affected mandated activities and projects, and must be addressed on priority.
- All KVKs shall strictly follow financial directives issued from time to time in line with revised fund flow mechanisms of funding agencies to ensure timely use of allocated resources.
- Convene bi-annual review meetings with the Comptroller, DEEs, Heads of KVKs, ATARI, and related office staff to assess financial progress, update fund flow mechanisms, and ensure timely utilization of resources. DEEs will suggest a suitable date to convene the meeting accordingly.
- Streamline financial processes to strengthen efficiency, transparency, and accountability in the management of KVK and project funds.

Rational Use of KVK Revolving Funds

- Revolving funds shall be used strictly for KVK developmental activities only, with no deviation permitted. The Head of the KVK shall be held responsible for any unregulated or non-compliant use of revolving funds.
- Each KVK shall submit an annual audited compliance statement on revolving fund utilization.
- Digitized financial dashboards shall be used for real-time monitoring and early identification of under-performing KVKs.

Standardized Refunds & Compliance

Adopt a uniform refund checklist for all refunds across KVKs. The checklist shall capture project name, transaction details, and supporting documents. This will ensure timely settlement, improved financial accountability, and statutory compliance. For this, a standard format be shared by AFAO, ATARI to maintain uniformity and strict compliance.

Quality Assurance in Training Programme

- Pre- and post-training evaluations shall be made mandatory for all trainings of more than 3 days duration to objectively assess knowledge gain and skill development.
- Greater emphasis shall be placed on practical, skill-oriented, and enterprise-linked trainings to enhance employability and income-generation outcomes.

Capacity Building of DEEs and KVK Staff

- ATARI shall organize capacity building programs for DEEs at NAARM to enhance their skills, knowledge, and managerial competencies, with structured follow-up to ensure effective knowledge transfer to KVK staff.
- DEEs shall conduct capacity building for KVK staff on new and emerging areas, proposing 2–3 training topics (e.g., digital advisory tools, enterprise-led entrepreneurship) along with a timeline to be submitted by February 2026.
- ATARI shall ensure provision of necessary contingencies to support the effective organization and smooth conduct of capacity building programs.
- Capacity building of field functionaries and development of multidisciplinary projects in livestock, fisheries, and allied sectors should be undertaken to leverage funding opportunities and scale successful models.

Intimation of IPR and Certification to ATARI

All KVKs must promptly inform ATARI about any copyrights, patents, PPVFRA registrations, or other certifications obtained. This information should be shared in a timely manner to ensure proper documentation, record maintenance, and institutional reporting. A standard proforma be shared by ATARI, Nodal Officer with all KVKs for timely compliance.

Preparation of Comprehensive Documents on Income Diversification and Technology Models

A comprehensive document shall be prepared at the Directorate level highlighting the potential of technological packages for income diversification, employment generation and livelihood security.

- Horti–poultry model in J&K to be documented by SKUAST-K, Srinagar.
- Emerging Oilseeds scenario in Kashmir valley: Trends, Opportunity & Way forward to be documented by SKUAST-K, Srinagar.
- Basmati-118: Transforming Rice cultivation in Jammu to be documented by SKUAST-J, Jammu.
- Dairy–poultry model in Punjab to be documented by PAU, Ludhiana.
- SWOT analysis of Natural Farming in Himachal Pradesh to be jointly undertaken by CSKHPKV, Palampur and YSPUHF, Solan.
- Documentation on KVK feedback mechanism, research initiatives, refinement, outputs, and recommendations to be prepared by ICAR–ATARI, Ludhiana.

The needful information be submitted to ATARI, Ludhiana by all concerned by April 2026.

Submission of Pending Common Impact Assessment Proforma

SKUAST-K, Srinagar and SKUAST-J, Jammu were entrusted to design a Common Assessment Proforma for evaluating the impact and adoption of KVK technologies. Document submission to ICAR-ATARI, Ludhiana, originally due by 15 September 2023, is still pending. Concerned DEEs must submit the proforma by February 2026.

Comprehensive Action Plan for Promoting Agro-Tourism at KVK, Srinagar

- KVK Srinagar, in coordination with the DEE, SKUAST-Kashmir, shall prepare a detailed action plan to develop and promote agro-tourism at KVK farm. The plan should include strategies for Wet Land Eco-system based farm tourism, demonstration of modern and traditional agricultural practices, local produce promotion, and experiential learning for visitors. Emphasis should be placed on enhancing income diversification, showcasing sustainable farming practices, and integrating cultural and ecological aspects to attract tourists.
- The action plan should also outline infrastructure requirements, marketing approaches, training needs, and timelines for effective implementation along with the budgetary requirements and potential funding agencies.

Strengthening Digital Monitoring and Extension

- Strengthen digital tools and dashboards for real-time monitoring, systematic documentation, and effective performance review. Improve digital advisory platforms with a focus on the quality, relevance, and timely delivery of advisories.
- Develop a structured, thematic database of farmers' queries and solutions, enabling month-wise analysis, feedback, and continuous improvement of extension services. KVKs and ATICs should maintain systematic records to track and analyze changing patterns of agriculture queries over time.

Strengthening Social Media Outreach of KVK Activities

KVKs shall strengthen their social media presence (Twitter/X, Facebook, and other platforms) to effectively showcase activities, technologies, and success stories. Regular, accurate, and impactful content should be shared to enhance visibility, farmer outreach, and public engagement.

Use of Program/Project-wise Official Email IDs

KVKs have already been informed about the use of program/project-wise designated email IDs; however, compliance has been observed to be unsatisfactory. It is once again reiterated that all communications related to specific programs/projects must be sent only to the respective designated email IDs.

Concluding Note

The Zonal Workshop reaffirmed the critical role of KVKs as frontline institutions for translating research into practice. Strengthened manpower, sharper accountability, focused extension strategies, and effective convergence are essential for achieving sustainable, climate-resilient, and income-oriented agricultural development across Zone-1.



6

VALEDICTORY SESSION

Dr. B. N. Tripathi, Chief Guest of the Valedictory Session and VC, SKUAST Jammu, appreciated the pivotal role of KVKs in transferring agricultural technologies to farmers and bridging the gap between research and field application. He highlighted their contribution in productivity enhancement, diversification, and livelihood improvement through trainings and demonstrations. However, he expressed concern over duplication of efforts due to repeated support to the same farmers by multiple agencies and emphasized the need for better coordination to reach unreached farmers. He highlighted livestock-based interventions as key future thrust area, particularly for small and marginal farmers, due to their potential for quick returns and year-round income.

Dr. J. P. Sharma, Guest of Honour, stressed upon importance of effective and farmer-centric extension approaches for reaching underserved farming communities. He emphasized that understanding farmers' real problems through direct engagement is more important than desk-based assessments. He highlighted HADP of the Government of J&K as a transformative initiative that has strengthened coordination, capacity building, and innovation within the agricultural sector, enabling sustainable growth in the region.



Dr. Randhir Singh, Special Guest, highlighted the growing role of information technology in strengthening agricultural extension systems. He emphasized the use of digital tools and data-driven platforms for timely dissemination of technologies and improved farmer engagement. He also stressed upon need for critical review of KVK presentations to improve their functioning. Further, he underlined the importance of scientific data management and analysis for professional growth, replication of best practices, and strengthening the overall extension ecosystem.

Dr. Parvender Sheoran, Director, ICAR-ATARI, Ludhiana, presented key workshop recommendations and highlighted challenges affecting KVK functioning. He strongly opposed the redeployment of KVK staff to non-KVK assignments, emphasizing that uninterrupted availability of trained manpower is crucial for grassroots impact. He also stressed upon need for systematic documentation of successful case studies and innovations to enhance knowledge sharing, policy guidance, replication of models, and visibility of the KVK system.

Dr. SK Gupta, Director Research, SKUAST Jammu, emphasized the role of KVKs as a vital link between research institutions and farmers for timely dissemination of technologies. He highlighted the importance of using feedback



from KVKs to refine technologies and make them more location-specific and farmer-friendly. He also showcased important technologies developed by SKUAST Jammu with potential to enhance productivity, sustainability, and farmers' income.

Earlier, Dr. Amrish Vaid, Director Extension Education, SKUAST Jammu, welcomed the dignitaries and participants to the Valedictory Session and later presented a detailed vote of thanks, acknowledging the contributions of all stakeholders in making the workshop successful.



7

AWARDS & RECOGNITIONS

Awards and recognitions were given to KVKs and persons associated with the KVK system for sustaining motivation and vibrancy in the system. The recognition serves as an encouragement for further excellence and dedication in the field of agricultural development. These awards recognized the significant contributions and efforts made by KVKs in advancing agricultural practices, promoting sustainable farming, and enhancing rural livelihoods in their respective operational districts.

Best KVK Awards: The KVKs were recognized and awarded for their exceptional contributions and outstanding work during the previous year. Under this category, one zonal best KVK award and state/ UT wise best KVK awards were awarded. The following KVKs received recognition in their respective regions:

Best KVK of Zone-1	: KVK Mandi
Best KVK of Punjab	: KVK Ropar; KVK Fazilka
Best KVK of Himachal Pradesh	: KVK Shimla
Best KVK of Uttarakhand	: KVK Champawat
Best KVK of Jammu & Kashmir	: KVK Ganderbal; KVK Kathua
Best KVK of Zone-1 in Disadvantage area	: KVK Rajouri
Best Social Media Outreach Award	: Miss Neha Dhiman, KVK Chamba

Note: State/ UT having at least 20 KVKs (Punjab=22 and J&K=20) were given two best KVK awards. However, Ladakh being having only 4 KVKs was considered on the alternate years basis for Best KVK award this year.

Chal Vaijayanti: Award for the best DEE in the Zone-1 (Rotating Trophy) was given to Directorate of Extension Education, PAU, Ludhiana for their outstanding contribution to the KVK system during previous year.



ANNEXURES

8

8.1: LIST OF PARTICIPANTS OF ANNUAL ZONAL WORKSHOP OF KVKs OF ZONE-I

Sr.	Name	Designation	Address
GOI			
1	Shri Javid Ahmad Dar,	Minister for Agriculture Production, Rural Development, Panchayati Raj, Cooperatives and Election Departments, Govt. of J&K	Jammu & Kashmir
ICAR Headquarters			
2	Dr. Rajbir Singh	DDG (Agril. Extension)	New Delhi
Chancellor, Vice-Chancellor			
3	Prof. B. N. Tripathi	Vice-Chancellor, SKASUT Jammu	Jammu
4	Dr. JP Sharma	Former Vice-Chancellor, SKUAST	Jammu
ICAR-ATARI, Ludhiana			
5	Dr. Parvender Sheoran	Director	ICAR-ATARI, Ludhiana
6	Dr. Rajesh K. Rana	Principal Scientist	ICAR-ATARI, Ludhiana
7	Dr. Ashish Murai	Scientist	ICAR-ATARI, Ludhiana
8	Sh. Harpal Singh Kaundal	Private Secretary to Director	ICAR-ATARI, Ludhiana
9	Sh. Harbhajan Singh	Technical Officer	ICAR-ATARI, Ludhiana
10	Mr. Sarang Monga	SRF	ICAR-ATARI, Ludhiana
11	Mr. Binaypartap Singh	YP-II	ICAR-ATARI, Ludhiana
ICAR-Institutes/ HQ			
12	Dr. VP Chahal	Former ADG (Agril. Extension), ICAR	New Delhi
13	Dr. Randhir Singh	Former ADG (Agril. Extension), ICAR	New Delhi
14	Dr. MK Verma	Director, ICAR-CITH	Srinagar
15	Dr. Ramesh Kumar	Principal Maize Breeder, ICAR-IIMR	Ludhiana
16	Dr. Sandeep Mann	Head (AS&EC) CIPHET	Ludhiana
17	Dr. Amandeep Singh Brar	Director, Seed, PAU	Ludhiana
18	Dr. S. P. Singh,	Scientist, ICAR-CIAE	Bhopal
19	Mr. Amit Kumar	AGM, NABARD, Jammu	Jammu
20	Mr. Jitender Chauhan	Managing Director, Khetyari	Shimla
21	Dr. Sanjeev Kumar	Scientist, ICAR-IASRI	New Delhi
22	Mr. Naveen Kumar,	Agronomy Manager (Carbon), Grow Indigo	New Delhi
Directorate of Extension Education			
23	Dr. M S Bhullar	DEE	PAU, Ludhiana
24	Dr. R S Grewal	DEE	GADVASU, Ludhiana
25	Dr. Amrish Vaid	DEE	SKUAST, Jammu

Sr.	Name	Designation	Address
26	Dr. Raihana Habib Kaith	DEE	SKUAST, Srinagar
27	Dr. Inder Dev	DEE	Dr. YSPUH&F, Solan
28	Dr. Jitender Kwatra	DEE	GBPUA&T, Panthagar
29	Dr. Vinod Sharma	DEE	CSKHPKV, Palampur
30	Dr. Liyaqat Ali Choudary	ADE	SKUAST, Srinagar
31	Dr. Mohammad Iqbal Bhatt	ADE	SKUAST, Srinagar
SKAUST, Jammu			
32	Dr. KS Risam	Former VC, SKUAST Jammu	Jammu
33	Dr. SK Gupta	Director Research, SKUAST Jammu	Jammu
34	Dr. RK Arora	Former DEE SKUAST Jammu	Jammu
35	Dr. Sushil Kumar Gupta	Director Research, SKUAST Jammu	Jammu
Head/SMS of KVKs of Punjab			
36	Dr. Bikramjeet Singh	Head of KVK	Amritsar & Pathankot
37	Dr. Raminder Kaur	SMS	Amritsar
38	Dr. Kanwarpal Singh Dhillon	SMS	Amritsar
39	Dr. Gurdeep Singh	Head of KVK	Bathinda
40	Dr. Kamaldeep Singh Matharu	Head of KVK	Moga
41	Dr. Manpreet Jaidka	SMS	Moga
42	Dr. APS Dhaliwal	Head of KVK	Mansa
43	Dr. Rakesh Kumar	SMS	Faridkot
44	Dr. Gurdarshan Singh	SMS	Faridkot
45	Dr. Gurlal Singh Gill	SMS	Faridkot
46	Dr. Vipam Kumar Rampal	Head of KVK	Samrala
47	Dr. Gurmail Singh	Head of KVK	Ferozepur
48	Dr Bhallan Singh Sekhon	SMS	Ferozepur
49	Dr. Sarabjit Singh	Head of KVK	Gurdaspur
50	Dr. Anil Kumar Khokhar	SMS	Gurdaspur
51	Dr. Maninder Singh Bons	Head of KVK	Hoshiarpur
52	Dr Pardeep Kumar	Head of KVK	Nawanshahr
53	Dr. Sanjeev Kumar Kataria	Head of KVK	Jalandhar
54	Dr. Harinder Singh	Head of KVK	Kapurthala
55	Dr. Karamjit Sharma	Head of KVK	Muktsar
56	Dr. Hardeep Singh	Head of KVK	Patiala & Fatehgarh Sahib
57	Dr. Satbir Singh	Head of KVK	Ropar
58	Dr. Aparna	Head of KVK	Ropar
59	Dr. Mandeep Singh	Head of KVK	Sangrur
60	Dr. Vinay Singh	SMS	Pathankot
61	Dr. Balbir Singh Khadda	Head of KVK	Mohali
62	Dr. Harmeet Kaur	SMS	Mohali
63	Dr. Parhalad Singh Tanwar	Head of KVK	Barnala
64	Dr. Prabhjeet Singh	Head of KVK	Tarn-Taran
65	Dr. Navjot Singh	SMS	Tarn-Taran
66	Dr. Arvind Kumar Ahlawat	Head of KVK	Fazilka

Sr.	Name	Designation	Address
Head/SMS of KVKs of Himachal Pradesh			
67	Dr. Sanjay Sharma	Head of KVK	Kangra
68	Dr. Vishal Dogra	Head of KVK	Hamirpur
69	Dr. Meenakshi	SMS	Una
70	Dr. Sanjay K Sharma	SMS	Una
71	Mrs. Seema Shah	Head of KVK	Bilaspur
72	Dr. Pankaj Sood	Head of KVK	Mandi
73	Dr. DS Yadav	SMS	Mandi
74	Dr. Pankaj Mittal	Head of KVK	Sirmaur
75	Dr. Shiwali Dhiman	SMS	Sirmaur
76	Dr. Surender Kumar	SMS	Kullu
77	Dr. R K Rana	SMS	Kullu
78	Dr. Subash Kumar	Head of KVK	Lahaul & Spiti
79	Dr. R S Spehia	Head of KVK	Lahaul & Spiti-II
80	Dr. Usha Sharma	Head of KVK	Shimla
81	Dr. Nagender	SMS	Shimla
82	Dr. Amit Vikram	Head of KVK	Solan
83	Dr. Arti	SMS	Solan
84	Dr. Pramod Kumar	Head of KVK	Kinnaur
85	Dr. Budhi Ram	SMS	Kinnaur
86	Dr. Dharminder Kumar	Head of KVK	Chamba
87	Dr. Jaya Chaudary	SMS	Chamba
Head/SMS of KVKs of UTs of Jammu & Kashmir			
88	Dr. Amit Singh Charak	Head of KVK	Doda
89	Dr. Punit Choudhary	Head of KVK	Jammu
90	Dr. Sheetal Badyal	SMS	Jammu
91	Dr. Prem Kumar	SMS	Jammu
92	Dr. Vishal Mahajan	Head of KVK	Kathua
93	Dr. Anamika Jamwal	SMS	Kathua
94	Dr. Berjesh Ajrawat	SMS	Kathua
95	Dr. Vishal Sharma	SMS	Kathua
96	Dr. Narinder Paul	Head of KVK	Kishtwar
97	Dr. Ajay Gupta	Head of KVK	Poonch
98	Dr. Arvind Kumar Ishar	Head of KVK	Rajouri
99	Dr. Vikas Gupta	SMS	Rajouri
100	Dr. Parul Gupta	SMS	Rajouri
101	Dr. Suraj Parkash	SMS	Rajouri
102	Dr. Raj Kumar Gupta	Head of KVK	Ramban
103	Dr. Parveen Kumar	SMS	Ramban
104	Dr. Banarsi Lal	Head of KVK	Reasi
105	Dr. Mandeep Singh Azad	SMS	Reasi

Sr.	Name	Designation	Address
106	Dr. Sanjau Kaushal	SMS	Reasi
107	Dr. Arvinder Kumar	SMS	Reasi
108	Dr. Sanjay Khajuria	Head of KVK	Samba
109	Dr Shalini Khajuria	SMS	Samba
110	Dr. Ishtiyag Ah. Khan	Head of KVK	Anantnag
111	Dr. Tariq Sultan	Head of KVK	Bandipora-I
112	Dr. Hilal Ahmad	Head of KVK	Bandipora-II (Gurez)
113	Dr. Bilal Ahmad Lone	Head of KVK	Budgam
114	Dr. Ezahz ahmad Malik	Head of KVK	Gandarbal
115	Dr. Ab. Shakoor Khandy	Head of KVK	Kulgam
116	Dr. KM Malik	Head of KVK	Kupwara
117	Dr. Javed Ahmed Mugloo	Head of KVK	Pulwama
118	Dr. Zaffar Afroz Badri	Head of KVK	Shopian
119	Dr. Shamim A Simnani	Head of KVK	Srinagar
120	Dr. Wasim Hassan Raja	Head of KVK	Baramulla
121	Dr. Shoaib Nissar Kirmani	SMS	Baramulla
Head/SMS of KVKs of UTs of Ladakh			
122	Dr. Phuntsog Tundup	Head of KVK	Nyoma
123	Dr. Nassreen Fatima	Head of KVK	Kargil-I
124	Dr. Mohd. Mehdi	Head of KVK	Zanskar
125	Dr. Feroz Din Sheikh	Head of KVK	Leh
Head/SMS of KVKs of Uttarakhand			
126	Dr. C Tiwari	Head of KVK	Almora
127	Dr. D C Kala	Head of KVK	Chamoli
128	Dr. R K Sharma	Head of KVK	Champawat
129	Dr. AK Sharma	Head of KVK	Dehradun
130	Dr. Sanjay Rathi	SMS	Dehradun
131	Dr. Purushottam Kumar	Head of KVK	Haridwar
132	Dr. Sanjay Chaudary	Head of KVK	Nainital
133	Dr. GS Bisht	Head of KVK	Pithouragarh
134	Dr. Sanjay Sacchan	Head of KVK	Rudraprayag
135	Dr. SK Sharma	Head of KVK	Udham Singh Nagar
136	Dr. Rashmi Limbu	Head of KVK	Pauri Garhwal
137	Dr. Aalok Yewale	Head of KVK	Tehri Garhwal
138	Dr. Raj Kumar	Head of KVK	Bageshwar
139	Dr. Kamal Pande	Head of KVK	Uttarkashi

8.2: OVERALL ORGANISING TEAM

Person	Role
Dr. Parvender Sheoran (Director ATARI, Ldh)	Chief Organizer
Dr. Amrish Vaid (DEE, SKAUST Jammu)	Organizing Secretary (SKAUST Jammu)
Dr. Rajesh K Rana (ATARI, Ldh)	Organizing Secretary (ICAR-ATARI, Ldh)

8.3: TECHNICAL PROGRAMME

Day 1: December 22, 2025

Zonal Presentation by Director, ICAR-ATARI, Ludhiana Progress Report, New Initiatives and their Outcome in Zone-1

Venue	: Baba Jito Auditorium, SKUAST Jammu
Time	: 1000 to 1100 hrs
Chairperson	: Dr. BN Tripathi, VC, SKUAST Jammu
Co-Chairperson(s)	: Dr. VP Chahal, Former ADG (AE), ICAR, New Delhi Dr. Randhir Singh, Former ADG (AE), ICAR, New Delhi
Rapporteur(s)	: Dr. Pankaj Sood, Head KVK Mandi, HP Dr. Ishtiyahq Ahmed Khan, Head KVK Anantnag, J&K
Session Facilitator(s)	: Dr Punit Choudhary, Head KVK Jammu Dr. Vishal Mahajan, Head KVK Kathua

INAUGURAL SESSION

Venue	: Baba Jito Auditorium, SKUAST Jammu
Time	: 1100 to 1230 hrs

-----HIGH TEA-----

Lead Lectures-1

Venue	: Manthan Hall, SKUAST Jammu
Time	: 1300 to 1400 hrs
Chairperson	: Dr. JP Sharma, Former VC, SKUAST Jammu
Co-Chairperson(s)	: Dr. Sandeep Mann, Head, AS&EC, ICAR-CIPHET, Ludhiana Dr. (Mrs) Hema Tripathi, Former ADE, SKUAST Jammu
Rapporteur(s)	: Dr. Ishtiyahq Ahmed Khan, Head KVK Anantnag, J&K Dr. HS Sabhikhi, Head KVK Patiala, Punjab
Session Facilitator(s)	: Dr. Vijay Kumar Sharma, DDE, SKUAST Jammu Dr. Pawan Sharma, Chief Scientist, KVK Kathua

Time allowance: 20 minutes each (15 minutes presentation + 5 minutes discussion)

- **Lead Lecture:** Operational Guidelines and Financial Support for Farmers' Participatory KVK-led Projects: NABARD Initiatives by NABARD: Mr. Amit Kumar, AGM, NABARD, Jammu
- **Lead Lecture:** Transforming Apple Ecosystem: A KVK and ICAR CITH Endeavour: Dr. MK Verma, Director, ICAR-CITH, Srinagar
- **Experience sharing:** Protected Cultivation in Himachal Pradesh: Status, Economics, Constraints and Policy Implications: Dr. Pankaj Sood, Head, KVK Mandi

..... LUNCH.....

Brainstorming Session

Venue	: Manthan Hall, Baba Jito Auditorium, SKUAST Jammu
Time	: 1430 to 1730 hrs
Chairperson	: Dr. Randhir Singh, Former ADG (AE), ICAR, New Delhi
Co-Chairperson(s)	: Dr. Raihana Habib Kaith, DEE, SKUAST Kashmir Dr. Sandeep Mann, Head, AS&EC, ICAR-CIPHET, Ludhiana
Rapporteur(s)	: Dr. Pankaj Sood, Head KVK Mandi, HP Dr. Javed Mugloo, Head KVK Pulwama, J&K Dr. Aijaz Ahmad Malik, Head KVK Gandarbal, J&K
Session Facilitator(s)	: Dr. Ajay Gupta, Head KVK Poonch Dr. Arvind Isher, Head KVK Rajauri
<ul style="list-style-type: none"> • Brief Overview of the Brainstorming Session by the Director, ICAR-ATARI, Ludhiana • Breakout Sessions for Group Exercise for State/Zone-wise Problem Identification and Prioritization 	
<p>..... Gala Dinner-1900 hrs onwards; Venue: Suncity Farm, R.S.Pura Road, Miran Sahib.....</p>	

Day 2: December 23, 2025

Lead Lectures-2

Venue	: Manthan Hall, SKUAST Jammu
Time	: 0900 to 1030 hrs
Chairperson	: Dr. KS Risam, Former VC, SKUAST Jammu
Co-Chairperson(s)	: Dr. Amrish Vaid, DEE, SKUAST, Jammu Dr. Jitender Kwatra, DEE, GBPUAT, Pantnagar
Rapporteur(s)	: Dr. Ishtiyah Ahmed Khan, Head KVK Anantnag, J&K Dr. HS Sabhikhi, Head KVK Patiala, Punjab
Session Facilitator(s)	: Dr. Sanjay Khajuria, Head KVK Sambha Dr. Amit Singh Charak, Head KVK Doda
<p>Time allowance: 20 minutes each (15 minutes presentation + 5 minutes discussion)</p> <ul style="list-style-type: none"> • Lead Lecture: Participating Seed Potato Production – Strengthening KVK-CPRI linkages: ICAR-CPRI, Shimla • Lead Lecture: Entrepreneurship opportunities in Rural Areas through small scale Food Processing Enterprise with special emphasis on edible oil: ICAR-CIPHET, Ludhiana • Lead Lecture: Unlocking the Additional Income through Regenerated Agriculture – Carbon Credit Opportunity, Grow Indigo 	
<p>..... SESSION TEA</p>	

Presentations By DEEs of SAUs	
Venue	: Manthan Hall, SKUAST Jammu
Time	: 1030 to 1500 hrs (including LUNCH break)
Chairperson	: Dr. VP Chahal, Former ADG (Agril. Extension), ICAR, New Delhi
Co-Chairperson(s)	: Dr. SK Gupta, Director Research, SKUAST Jammu Dr. RK Arora, Former DEE SKUAST Jammu
Rapporteur(s)	: Dr. Mandeep Singh, Head KVK Sangrur, Punjab Dr. Ashok Sharma, Head KVK Dehradun, UK Dr. Banarsi Lal, Head KVK Reasi, J&K Dr. Punit Choudhary, Head KVK Jammu, J&K
Session Facilitator(s)	: Dr. Raj Kumar Gupta, Head KVK Ramban Dr. Narinder Paul, Former Head KVK Kishtwar
Time allowance: 20 minutes each (15 minutes presentation + 5 minutes discussion)	
Presentation to include:	
<ul style="list-style-type: none"> • Technological Backstopping to the KVKs • ATIC Report by DEEs • Consolidated Progress and Action Plan of KVKs under respective host organisation 	
State Agricultural University	Presenter
PAU, Ludhiana	Dr. MS Bhullar
SKUAST, Srinagar	Dr. Rehana Habib Kaith
CSKHPKV, Palampur	Dr. Vinod Sharma
GBPUA&T, Pantnagar	Dr. Jitender Kwatra
GADVASU, Ludhiana	Dr. Ravinder Singh Grewal
SKUAST, Jammu	Dr. Amrish Vaid
Dr. YSPUH&F, Solan	Dr. Inder Dev
VCSGUUHF, Bharsar	Dr. Amol Vashisht
Consolidated Progress Report and Action Plan Presentations by ICAR Institutes	
KVK Fazilka	CIPHET, Ludhiana
KVK Baramulla	CITH, Srinagar
KVKs Uttarkashi and Bageshwar	VPKAS, Almora
Time allowance: 10 minutes each (5 minutes presentation + 5 minutes discussion)	
..... SESSION TEA	
Presentations By DEEs of SAUs	
Venue	: Manthan Hall, Baba Jito Auditorium, SKUAST Jammu
Time	: 1530 to 1830 hrs
Chairperson	: Dr. Randhir Singh, Former ADG (AE), ICAR, New Delhi
Co-Chairperson(s)	: Dr. Inder Dev, DEE, Dr. YS Parmar UHF, Nauni Dr. MS Bhullar, DEE, PAU, Ludhiana
Rapporteur(s)	: Dr. Pankaj Sood, Head KVK Mandi, HP Dr. Maninder Singh Bons, Head KVK Hoshiarpur, Punjab Dr. Javed Mugloo, Head KVK Pulwama, J&K
Session Facilitator(s)	: Dr. Banarasi Lal, Head KVK Reasi Dr. Ajay Gupta, Head, KVK Poonch
Theme/Discipline-wise Presentations by Nodal Officers; Breakout Sessions for Refinement	

Day 3: December 24, 2025**Lead Lectures-3**

Venue	: Mathan Hall, SKUAST Jammu
Time	: 0930 to 1100 hrs
Chairperson	: Dr. PK Sharma, Former VC SKUAST Jammu
Co-Chairperson(s)	: Dr. Ravinder Singh Grewal, DEE, GADVASU, Ludhiana Dr. Vinod Sharma, DEE, CSKHPKV, Palampur
Rapporteur(s)	: Dr. Ishtiyah Ahmed Khan, Head KVK Anantnag, J&K
Session Facilitator(s)	: Dr. Sanjay Khajuria, Head KVK Sambha Dr. Amitesh Sharma, Chief Scientist, KVK Kishtwar

Time allowance: 20 minutes each (15 minutes presentation + 5 minutes discussion)

- **Lead Lecture:** Crop Diversification initiatives through Maize in North-Western India: convergence with KVKs: IIMR, Ludhiana
- **Lead Lecture:** Emerging mechanization solutions for small and marginal Hill Farmers: ICAR-CIAE, Bhopal
- **Lead Lecture:** Tackling ground level challenges and constraints of Horticulture Development in North-Western Hills by Mr. Jittu Chauhan, Managing Director, KhetYari, Rohru, Shimla
- **Lead Lecture:** Features and Processes of Kisan Sarathi 2.0 by Dr. Sanjeev Kumar, Nodal Officer, ICAR-IASRI, New Delhi

..... SESSION TEA

Final Presentation on Brainstorming Outcome by Nodal Officer(s)

Venue	: Manthan Hall, SKUAST Jammu
Time	: 1100 to 1300 hrs
Chairperson	: Dr. Parvender Sheoran, Director ICAR ATARI, Ludhiana
Co-Chairperson(s)	: Dr. Rajesh K. Rana, Principal Scientist, ICAR-ATARI, Ludhiana Dr. Amandeep Singh Brar, Director Seeds, PAU Ludhiana
Rapporteur(s)	: Subject wise nodal officers
Session Facilitator(s)	: Dr. Vijay Kumar Sharma, DDE, SKUAST Jammu Dr. Amit Singh Charak, Head KVK Doda

Time allowance: 10 minutes each (5 minutes presentation + 5 minutes discussion)

- Crop Production
- Plant Protection
- Horticulture
- Agricultural Engineering
- Animal Science
- Extension/Economics

-----LUNCH-----

VALEDICTORY SESSION

Venue	: Baba Jito Auditorium, SKUAST Jammu
Time	: 1400 to 1500 hrs

Other Publications of ICAR-ATARI, Ludhiana

<p>Inspiring Tales of Entrepreneurs' Journey to Success</p> <p>Edited by: Anurag K. Rana, Manoj Kumar, Parvinderjit Singh, Preet Singh, A. K. Singh, G. S. Chahal</p>		<p>DRIVING OILSEED CROP PRODUCTIVITY IN NORTH INDIA THROUGH CLUSTER FRONTLINE DEMONSTRATIONS</p> <p>Dr. P. S. RATHI Dr. P. S. RATHI Dr. P. S. RATHI</p>		<p>Turning The Tide: Village Vanguard Leading The Charge Against Residue Burning</p>		<p>Technological Turnaround Promoting Farmers' Working Practices</p>
<p>5 DECADES OF AGRICULTURAL TRANSITION IN HARYANA DISTRICT OF HIMACHAL PRADESH: KVK'S LEGACY</p>		<p>NATURAL FARMING IMPERATIVES OF FARMERS' PERSPECTIVE FOR BRIGHTER FUTURE</p>		<p>CLUSTER FRONTLINE DEMONSTRATIONS ON PULSES Annual Report 2023-24</p>		<p>MONSOON FURY IN HIMACHAL PRADESH: AGRICULTURAL LOSSES, LESSONS LEARNED AND WAY FORWARD</p>
<p>PAU SMART SEEDER A SUSTAINABLE TECHNOLOGY TO SAVE FUEL AND INCREASE FERTILIZER EFFICIENCY</p>		<p>NATIONAL CHALLENGE "PADDY STRAW MANAGEMENT TOWARDS ACHIEVING MISSION ZERO BURNING"</p>		<p>PROCEEDINGS PLANNING WORKSHOP 2024-25 CROP RESIDUE MANAGEMENT: KVK INITIATIVES AND WAY FORWARD</p>		<p>वार्षिक परिवेदन ANNUAL REPORT 2023</p>
<p>RECOGNITION OF PRIOR LEARNING (RPL) ANNUAL REPORT 2023-24</p>		<p>PROCEEDINGS NATIONAL REVIEW WORKSHOP Farmer FIRST Programme</p>		<p>SURFACE SEEDING-CUM-MULCHING AN ECONOMIC & SUSTAINABLE SOLUTION FOR PADDY STRAW MANAGEMENT & WHEAT SOWING</p>		<p>ICAR-ATARI AT A GLANCE</p>
<p>INFORMATION EDUCATION & COMMUNICATION (IEC) MATERIALS FOR PADDY STRAW MANAGEMENT FROM PROJECT UNDER KVK HARYANA STATE A ROADMAP FOR 2023-24</p>		<p>RESILIENT PIGEON PEAS PERFORMANCE THROUGH CLUSTER FRONTLINE DEMONSTRATIONS</p>		<p>PROCEEDINGS Review Workshop on Crop Residue Management (20% of Paddy, Sorghum, Dahi and Other Products) September 18-19, 2023</p>		<p>PROCEEDINGS ANNUAL ZONAL WORKSHOP OF KVKs 2024 18-20 September, 2024</p>

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