



Integral Institute of Agricultural Science & Technology (IIAST) Integral University, Lucknow

Report on Kisan Goshthi in village Achramau on the topic “Rabi Crop Development: Comprehensive Farm-to-Fork Solutions for Agricultural Growth and Innovation”

"रबी फसल विकास: कृषि उत्थान और नवाचार के लिए खेत से खाद्य तक समग्र समाधान"

The Department of Agriculture at Integral Institute of Agricultural Science & Technology (IIAST) is committed to empowering farmers through innovative practices and hands-on support. In alignment with this mission, a *Kisan Goshthi* was organized on October 19th, 2024, in Achramau Village. The theme of the event, “Rabi Crop Development: Comprehensive Farm-to-Fork Solutions for Agricultural Growth and Innovation” (रबी फसल विकास: कृषि उत्थान और नवाचार के लिए खेत से खाद्य तक समग्र समाधान), aimed to provide practical and sustainable techniques tailored to enhance Rabi crop productivity. Under the guidance of Prof. (Dr.) Mohd Haris Siddiqui, Dean of the Faculty of Agricultural Science and Technology, and Prof. Saba Siddiqui, Head of the Department of Agriculture, the session brought together farmers and students for an insightful discussion on modern farming methods, focusing on crops like Wheat, Mustard, Pea, and Potato.

Faculty coordinators for the event, included Er. Ashfaq , Dr. Ayush Bhushan, Dr. Setu Ratnam and Dr. Abdul Mazeed, shared valuable insights tailored specifically for Rabi crops like Wheat, Mustard, Pea, and Potato.

Er. Ashfaq, an Agricultural Engineer at IIAST, initiated the session by emphasizing mechanization and water management practices crucial for Rabi crops. He introduced efficient irrigation methods like drip and sprinkler systems, offering guidelines on machinery for soil preparation and sowing, and highlighted precision agriculture tools for reducing water waste and optimizing soil moisture, essential for winter crops. Dr. Ayush Bhushan, a Forestry expert, discussed agroforestry practices that complement Rabi cultivation, emphasizing windbreaks and shelterbelts to prevent soil erosion and protect crops from cold winds, as well as integrating nitrogen-fixing tree species to naturally enhance soil fertility. Dr. Setu Ratnam, from Agribusiness Management, addressed economic aspects, advising on market-oriented production, value chain optimization, and value addition techniques to increase profit margins, encouraging farm-to-fork approaches for direct market access and income stability. Finally, Dr. Abdul Mazeed, an Agronomist, outlined advanced crop management for higher yields, demonstrating bio-fertilizer-based seed treatments and eco-friendly pest control, such as neem sprays, alongside nutrient management practices to support optimal plant growth.

The Kisan Goshthi witnessed enthusiastic participation from over 35 attendees, including farmers and students. The feedback from farmers was overwhelmingly positive, with many



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expressing appreciation for the practical knowledge shared and the focus on sustainable and profitable farming practices. This session exhibited the Department's dedication to bridging the knowledge gap between academia and farming communities, fostering an environment for mutual learning and growth.

Glimpses of the Goshthi





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