

Report on Kisan Gosthi
on
“Advancing Smart Agriculture for Sustainable Farm Productivity”

The Department of Agriculture, Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow organized a Kisan Gosthi on “Advancing Smart Agriculture for Sustainable Farm Productivity” on 20th November 2025 at Basaha Village, Lucknow. The theme of the Kisan Gosthi was strategically aligned with the Pradhan Mantri Krishi Sinchayee Yojana (PMKSY), particularly its focus on “Per Drop More Crop”, promoting efficient use of water resources, precision farming, and technology-driven agricultural practices. The outreach programme was conducted with the objective of creating awareness among farmers about smart agricultural practices, modern technologies, and sustainable farming approaches for improving farm productivity and income.

Dr. Nadeem Khan delivered a lecture on the concept of smart agriculture and its role in achieving sustainable farm productivity. He highlighted the importance of adopting modern farming tools such as precision nutrient management, improved irrigation techniques, and climate-smart agronomic practices. He emphasized that PMKSY encourages efficient water-use technologies like micro-irrigation, which significantly enhance crop productivity while conserving natural resources.

Dr. Zeeshan Khan focused on the integration of modern technologies in agriculture, including sensor-based irrigation, mechanization, and data-driven decision-making. He explained how smart irrigation and water-saving technologies promoted under PMKSY help farmers optimize water use, reduce wastage, and improve crop yields. He stressed that technology adoption is essential for ensuring long-term sustainability and income stability for farmers.

Dr. Ruqaiya Bano elaborated on sustainable agricultural practices and their role in improving farm resilience and profitability. She discussed soil and water conservation measures, efficient input management, and environmentally sound farming techniques. She emphasized that PMKSY supports sustainable resource management practices that enhance farm productivity while protecting soil and water resources.

The programme also resonated strongly with the United Nations Sustainable Development Goals (SDGs), particularly SDG 2 (Zero Hunger) through improved agricultural productivity, SDG 6 (Clean Water and Sanitation) through efficient water management, SDG 12 (Responsible Consumption and Production) by promoting resource-efficient farming, and SDG 13 (Climate Action) by encouraging climate-smart agricultural practices.

The programme witnessed the active participation of 15 local farmers and 30 students, along with faculty members, fostering effective interaction between the scientific community and farmers. The Department of Agriculture, IIAST, expresses its sincere gratitude to Prof. Mohd. Haris Siddiqui, Dean, Faculty of Agriculture, and Prof. Saba Siddiqui, Head, Department of Agriculture,

IIAST, for their constant encouragement, visionary leadership, and invaluable guidance in the successful organization of this Kisan Gosthi. Their support played a pivotal role in effectively integrating scientific expertise, government policies, and field-level perspectives, thereby fostering meaningful engagement and empowering the farming community on smart agriculture and sustainable farm productivity.

Glimpse



