



# **Integral Institute of Agricultural Science & Technology (IIAST)**

## **Integral University, Lucknow**

### **Brief report on Kisan Goshti organized by the Department of Agriculture, IIAST in Anwari Village on the topic “New Agrotechnologies”**

The Department of Agriculture which is committed and dedicated to farmers' welfare undertakes several initiatives to support and empower farmers. In accordance with it a Kisan Goshti was organized by the Department of Agriculture, Integral Institute of Agricultural Science & Technology (IIAST) on 3rd June 2023 in Allipur, Anwari Village. The primary objective of the program was to create awareness among farmers about the latest agrotechnologies. Agrotechnology refers to the use of technology in farming and agricultural practices to increase efficiency, productivity, and sustainability in food production. It includes several different types of technologies, such as precision agriculture, smart irrigation, biotechnology, and automation. Additionally, there are significant technological advancements in areas like indoor vertical farming, livestock technology, modern greenhouse practices, artificial intelligence, blockchain etc.

The faculty members Dr. Usman Sayeed, Dr. Deepranjan Sarkar, and Dr. Ambreesh Singh Yadav along with the students of B.Sc (Hons.) Agriculture was instrumental in the conduction of the Program.

Dr. Ambreesh Singh Yadav, Associate Professor, Department of Agriculture, IIAST welcomed the farmers and discussed the importance of millet cultivation, organic farming, and pest management. Since 2023 has been declared as “International Year of Millet” which is aimed at highlighting the significance of millet as a nutritious food source and promoting its cultivation, consumption, and trade with the help of recent technologies like Millet Milling Aspirator, Millet Milling Dethusking etc. He emphasised that Millet cultivation offers several advantages that can contribute to doubling farmers' income, especially in areas where millets are well-suited and there is market demand for their products. Dr. Deepranjan Sarkar, Assistant Professor, Department of Agriculture, IIAST disseminated information about soil health, technologies for soil testing and soil analysis, and compost preparation. He also explained that soil analysis and maintaining soil health are essential tools for farmers to

optimize crop production, reduce costs, conserve resources, and promote sustainable farming practices. Regular soil testing and analysis can provide valuable insights that help farmers make informed decisions and maximize their agricultural productivity. Dr. Usman Sayeed, Assistant Professor, Department of Agriculture, IIAST discussed the use of information technology in agriculture where the use of IT in agriculture offers tremendous opportunities to increase productivity, optimize resource utilization, reduce environmental impact and enhance profitability. He also elaborated that IT apps like Plantix can support capacity building efforts by providing online training, e-learning platforms, and knowledge-sharing networks for farmers, extension workers, and agricultural professionals. These resources enhance skills, promote innovation, and improve the adoption of sustainable agricultural practices, contributing to SDG 9.8 (Universal access to information, innovation and communication technology). He later delivered a vote of thanks to all the attendees. The Goshti was observed under the guidance of Prof. Mohd Haris Siddiqui, Dean, Faculty of Agricultural Science and Technology and Prof. Saba Siddiqui, Head, Department of Agriculture, IIAST.

Farmers actively interacted with the faculty coordinators for their queries. The Goshti went successful with the involvement of Supporting Staff Mr. Sayed Faisal Ahmad Kirman, and students of Department of Agriculture. The feedback from farmers was noted. The Kisan Goshti was a very successful endeavour with the effort of one and all.

### **Glimpses of Kisan Goshti**

