



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

### Hybrid training program on “Healthy Harvest Habits: Integrated Plant Protection Practices”

To disseminate knowledge and promote the adoption of Integrated Plant Protection practices among agricultural stakeholders, the Department of Agriculture at the Integral Institute of Agriculture Sciences and Technology (IIAST) initiated an Hybrid training program titled "Healthy Harvest Habits: Integrated Plant Protection Practices." on 11<sup>th</sup> January, 2020 , in the village of Lalpur.

The training program was crafted to provide students with accessible and engaging learning experiences. Leveraging digital platforms, the training program delivered a series of lectures, interactive modules, and sharing multimedia resources covering various aspects of Integrated Plant Protection practices. Participants were introduced to principles of pest management, disease control, weed suppression, and soil health enhancement through integrated approaches. Video demonstrations and case studies were integrated into the session to facilitate learning and knowledge application.

Dr Khalid Habib explained presentation of various cultural practices like deep summer ploughing, use of resistant varieties, trap crops, shift in sowing time, water management, field sanitation etc. Furthermore the biological management practices mainly focusing on utilization of *Trichogramma*, *Trichoderma*, use of various predators like green lace wings, lady bird beetle, and learnt about methods of conservation application and their efficacy in the field. These biological agents were regionally adapted and thus their utilization in IPM is crucial. Dr. Khalid also covered topics of crop rotation, intercropping, habitat manipulation, and judicious use of pesticides. Emphasis was placed on minimizing environmental impacts, reducing pesticide residues, and fostering sustainable agriculture practices that support long-term productivity and ecosystem health.

The Program was observed under the guidance of Prof (Dr.) Mohd. Haris Siddiqui, Dean, Faculty of Agricultural Science and Technology, Integral University and Dr. Saba Siddiqui, Head, Department of Agriculture, IIAST, Integral University. Dr Khalid ensured that the program facilitates knowledge exchange and networking among participants, creating a community of practice dedicated to advancing integrated plant protection in agriculture. The hybrid training program yielded positive outcomes in terms of enhancing participants' understanding and skills in integrated plant protection practices. Participants reported increased awareness of alternative pest management strategies, improved ability to identify and diagnose crop health issues, and greater confidence in implementing sustainable pest management solutions.

Glimpses of the program



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