

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

Brief report on Training and Demonstration Program on “Mastering Grafting Techniques on Horticultural Plants”

(बागवानी पौधों पर ग्राफ्टिंग तकनीकों में निपुणता का प्रशिक्षण)

The Department of Agriculture, the Integral Institute of Agriculture Sciences and Technology (IIAST) organized training and demonstration program entitled "Mastering Grafting Techniques on Horticultural Plants," on 31st march, 2020 in the orchard of Unit 1. This program was designed to equip participants with practical skills and knowledge in grafting techniques, enabling them to enhance productivity and quality in mango cultivation.

The training and demonstration program were designed to offer participants hands-on learning experiences and practical demonstrations in grafting techniques, tailored specifically for mango, banana, guava etc. cultivation. Participants were provided with theoretical knowledge through demonstrations on grafting principles, grafting methods, rootstock selection, scion preparation, as well grafting tools and techniques. Practical sessions were conducted by Dr. Md. Abu Nayyer, Assistant Professor at Unit 1, allowing participants to observe and practice grafting under the guidance of experienced farm instructors. The training program focused on grafting techniques applicable to mango, banana, guava etc., one of the most important fruit crops regionally and globally. Participants were introduced to various grafting methods commonly used in mango cultivation, including cleft grafting, whip and tongue grafting, side grafting, and approach grafting. Through step-by-step demonstrations and hands-on practice, participants gained proficiency in grafting procedures, such as making precise cuts, aligning graft components, and securing graft unions.

The training and demonstration program yielded positive outcomes, empowering students and farmers with practical skills and confidence in grafting techniques. There has been keen understanding of grafting principles and improved proficiency in grafting procedures, allowing them to apply these techniques which will boost the students' entrepreneurial acumen. Dr. Abu Nayyar dedicated comprehensive theoretical knowledge and practical experience in grafting mango, the program equipped the candidates with the skills and confidence to implement grafting practices effectively in their mango orchards or nurseries. 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.

Glimpses of the demonstrations cum training program





