



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

Brief report on Training organized by Department of Agriculture, IIAST on “Training on Agri-Waste management through Vermicomposting”

(वर्मीकम्पोस्टिंग के माध्यम से कृषि अपशिष्ट प्रबंधन प्रशिक्षण कार्यक्रम)

India has several organic farming initiatives in place to promote sustainable agricultural practices and reduce the reliance on chemical inputs and vermicomposting is one of the vital part of this proposal. The training aimed to raise awareness among farmers about this initiative, the Department of Agriculture at Integral Institute of Agricultural Science & Technology (IIAST) conducted a training program titled "Agri-Waste Management through Vermicomposting" on 14 July 2023, in the Kursi village and female farmers belonging to the Self Help Group (SHG) from Tehsil Bakshi ka Talab (BKT) in Lucknow were informed and trained.

The students of M.Sc. (Ag) Agronomy were accompanied by the faculty members Dr. Usman Sayeed, Dr. Garima Singh, Dr. Nitish Kumar, Dr. Sunil Kumar and Dr. Ruqaiya Bano along with supporting staff Mr. Dheer Pratap and Mr. Arvind Kumar. During the training program special emphasis was laid to the significance of earthworms and vermicomposting in modern agricultural practices. The participants were made aware of aspects where earthworms play a crucial role in enhancing soil health and fertility and vermicomposting can be employed as an effective method for managing agricultural waste on farms. The training aimed to educate attendees about sustainable practices and techniques that can contribute to improving agricultural productivity while also being environmentally friendly. During the training program Dr. Garima provided a concise overview of the agricultural waste generated both on and off the farm. She also discussed how this waste can be effectively used in the preparation of vermicompost. Furthermore, Dr. Garima highlighted the importance and various benefits of utilizing vermicompost to enhance soil health and fertility. A vermicomposting bed preparation was demonstrated on the farm of Mr. Manoj Kumar, a progressive farmer from Kursi village. During the session, Dr. Sunil Kumar provided information about the preparation of vermicompost and its potential as a source of income for the members of the Self-Help Group (SHG). He also discussed the market value of vermicompost. Additionally, he encouraged participants to initiate vermicompost preparation in small units within their backyards. By explaining the application of vermicompost in both field and horticultural crops, Dr. Nitish Kumar and Dr. Usmaan highlighted about sustainable farming practices that not only increase crop productivity but also contribute to long-term soil health and environmental sustainability which basically inclines with the SDG 2 (zero hunger). Lastly Dr. Ruqaiya distributed 5 Vermicompost bags to the SHG members Neelam Verma, Rajkumari, Phoolmati, Pratibha Sharma and Menu from the village chal bankat (Kursi). The training took place with the supervision of Prof. Mohd Haris Siddiqui, Dean, Department of Agricultural Science and Technology and Prof. Saba Siddiqui, Head of the Department of Agriculture at IIAST.



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The females participated in the training were from Durga mahila SHG, Pooja prernaSHG, Laxmi prerna SHG, Maa Chandrika SHG, Ekta Mahila Vridha SHG, Jyoti Ajeevika SHG, Radha Ajeevika.

Glimpses of the training program





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