SWAMI DHARMABANDHU COLLEGE OF EDUCATION
(B.Ed. & D.El.Ed.)
(Recognised by: ERC-NCTE & Affiliated to Vinoba Bhave University, Hazaribag and JAC, Ranchi)
Harhad, Mukundganj, PO-Banha Nawada, Dist – Hazaribag, (Jharkhand) 825301
Email: sdbce.hzb@gmail.com Website: www.sdbce.co.in
Contact No.: 9471176767 / 9102029216 / 9470933518 / 06546-291700

Report on Vermicompost

15.07.2024

On 15 07.2025 Eco Club committee organized Vermicompost program. College Principal Dr.Sarika kumari, faculty members and students of 2023-25 participated in Vermicompost program in college campus.Vermicomposting is a type of composting that uses worms, typically red wiggler worms (Eisenia fetida), to break down organic waste into a nutrient-rich compost. This method of composting has gained popularity in recent years due to its efficiency, sustainability, and environmental benefits.

Process of Vermicomposting

The process of vermicomposting involves the following steps:

1. Collection of Organic Waste: Organic waste such as food waste, vegetable scraps, and tea bags are collected.
2. Creation of Worm Bed: A worm bed is created using a mixture of organic waste, soil, and water.
3. Introduction of Worms: Red wiggler worms are introduced into the worm bed.
4. Monitoring and Maintenance: The worm bed is monitored and maintained to ensure optimal conditions for worm growth and composting.
5. Harvesting of Vermicompost: After several weeks, the vermicompost is harvested and used as a natural fertilizer.

Benefits of Vermicomposting

1. Reduces Waste: Vermicomposting reduces the amount of organic waste sent to landfills, reducing greenhouse gas emissions and methane production.
2. Improves Soil Fertility: Vermicomposting is rich in nutrients, microorganisms, and humus, making it an excellent natural fertilizer for plants.

16/07/2024

3. Conserves Water: Vermicomposting reduces water pollution by reducing the amount of nutrients and sediments that enter waterways.

4. Supports Sustainable Agriculture: Vermicomposting supports sustainable agriculture by providing a natural and sustainable method of fertilizing crops.

Conclusion

Vermicomposting is a sustainable approach to waste management and soil fertility. Its benefits include reducing waste, improving soil fertility, conserving water, and supporting sustainable agriculture. As the world continues to grapple with waste management and sustainability challenges, vermicomposting is an innovative solution that deserves further exploration and adoption.

Sonka
16/07/2024
Principal
Swami Dharmabandhu College of Education
Harhad, Mukundganj, Hazaribag

Fig : Principal Dr. Sarika kumari doing Vermicompost.

Fig : IQAC head Dr. Fajal Iqbal and students doing Vermicompost.