



OFFICE OF THE PRINCIPAL
C.M.DUBEY POST GRADUATE COLLEGE
BILASPUR (C.G.)

(Accredited "A" by NAAC & The College with "Potential for Excellence")
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Report on Integrated Waste Management by Vermicomposting

Program : Vermicomposting
Venue : College Campus and Village Nevasa
Students : Zoology and Goegraphy department

India has a rich history in organic farming but manipulation of different chemical products in farming has resulted in very hazardous conditions both for man and nature. Excessive use of chemicals has lead to deterioration in food quality, poisoning of food items and destroying our ecosystem. Vermicompost is the answer to the challenges of disposal of biodegradable waste materials from households and farm lands from the waste stream. Studies suggest that vermicompost does not kill pathogens in the soil but keeps the pathogens from becoming virulent and attacking the plants. It helps keep the water in the soil and conserve the precious resource. Vermicompost has thriving beneficial bacteria and fungi that aid the soil's health .This results in a higher yield. It has been proved that fertilizer feeds the plant but vermicompost feeds the soil.

Students of Zoology department and NSS unit of college constructed a Vermicompost unit in the campus. They choose a secluded area and cordoned it off with the green net. A mixture of cow dung, sand ,mud ,dry leaves, biodegradable waste and earthworms were used. In a period of 20-25 days vermicompost was ready for use. In the year 2019, there was a produce of 3 quintal of vermicompost and in 2020 a produce of 7 quintall (still in process)was made. For this purpose the

green waste of the trees and the garden of the campus was utilized. In the year 2019 ,the produced vermicompost was distributed free of cost to the different sections of society.

In the year 2019 -20, a 7 day camp was organized in the village Nevasa. It was successfully organized with the cooperation of 5 farmers , Gendaram Yadav, Keshav Maravi, Bahoram Maravi, Manharan Yadav and Vedram Bhanu. A vermicompost unit was installed in their houses and they were trained to make vermicompost. The aim of this activity is to provide guidance for solid waste management and to provide training for skill development in the students.



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