

Vermicompost Production and Sale- An Extension activity of the dept. of Botany and Seed Technology



As part of institutional endeavor to do away with usage of hazardous chemical fertilizers and to promote use of fertilizer of biological origin (biofertilizer), the dept. of Botany and Seed Technology of the college harvested another crop of organic manure Vermicompost on 15th April 2023. The activity was aimed to reach out local and neighboring community to promote the use of Vermicompost which the department has produced in Vermicompost production unit since last year.

Around 9 quintals of Vermicompost was produced on this occasion and subsequently put on sale among students/ faculty and local community with agriculture back ground preferably of apple farming and kitchen gardening. Out of it around 6 quintals was issued to gardeners of the college for augmentation of campus floral beds, botanical garden, Seed Technology farm and Herbal garden.

Pertinent to mention that dept. has initiated the concept of *Waste to Resource* management. The concept includes using all campus plant litter which the gardeners harvest periodically and dumping it in Vermicompost unit. Subsequently cow dung from neighboring community is procured and made to decompose. The partially decomposed cow dung along with shredded plant litter is put in vermibeds following scientific procedure. Worms like red wigglers are added to the compost material as they feed on litter and cow dung. Periodical sprinkling of water and maintenance of temperature is ensured. After around two months the Vermicompost is made

Seed

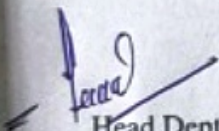
ready to use. To ensure good quality Vermicompost and its value addition, a fungal material (biocontrol agent) *Trichoderma* is added to the compost.

Principal of the college Prof. Muzaffer Ahmad Bhat and faculty members of the college were present on the occasion. The department extends sincere thanks to head of the institution Prof. Muzaffer for his full cooperation and support.

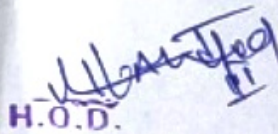
Status of organic Manure Vermicompost generated as on 15th April 2023

| S.No. | Quantity of Vermicompost | Issued to | Campus lawn |
|-------|--------------------------|------------------------------|--------------------------------|
| 1. | 300 Kgs | Mr.Bilal (Head Gardner) | Flowering beds of campus lawns |
| 2. | 150 Kgs | Mr.Mushtaq Ahmad Bandh (LFE) | Botanical Garden |
| 3. | 100 Kgs | Mr.Nazir Ahmad | Seed Technology Park |
| 4. | 100 Kgs | Mr.Suhail Ahmad | Herbal Garden |
| 5. | 27 Bags (Each 10 Kg) | For sale | Cash Payment |

The revenue thus generated shall be used for further up gradation of Vermicompost production unit like procurement of raw material, outsourcing of skilled man power etc.



Head Dept. of Botany/Seed Technology



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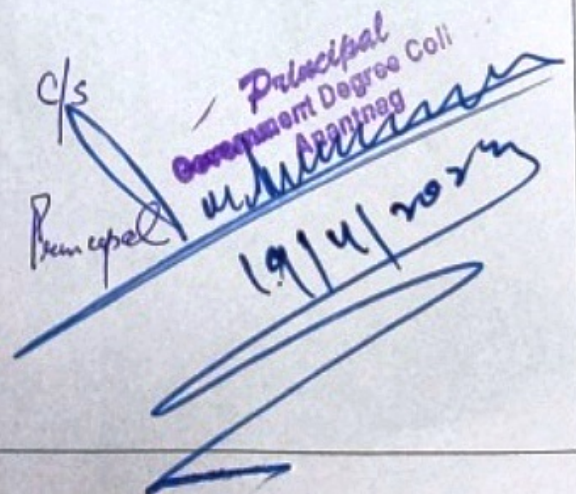
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Principal
Government Degree Coll
Anantnag
19/4/2023