

TITLE OF THE PROGRAM:

Field trip to Garimellapadu

DATE OF THE EVENT:

24-9-2020

RESOURCE PERSON/ CHIEF GUEST:

Dr.Y.Chinnappaiah., Principal

OBJECTIVES OF THE PROGRAM:

Vermicompost: Vermi compost is the product or process of composing using various worms, and other earth worms to create a heterogeneous mixture of decomposing vegetable or food waste, bedding materials and vermicast, also called worm casting. worm humus or worm mature, is the end product of the breakdown of organic matter by an earthworm. These castings have been shown to contain reduced levels of contaminants and a higher saturation of nutrients than do organic materials before vermin composting. containing water-soluble nutrients, vermin compost is an excellent, nutrient-rich organic fertilizen and soil conditioner. This process of producing culture means sealing of earth worms to produce.

BRIEF DISCRPTION:

Department of Chemistry arranged a field trip program to Garimellapadu, on 24-9-2020 Nearly 24 students of II BSc and III Bsc Life Science stream. The resource person K.Vanaja, Assistant professor in Chemistry, explained the preparation of vermicompost.


Coordinator


IQAC Coordinator


Principal
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Environmental :

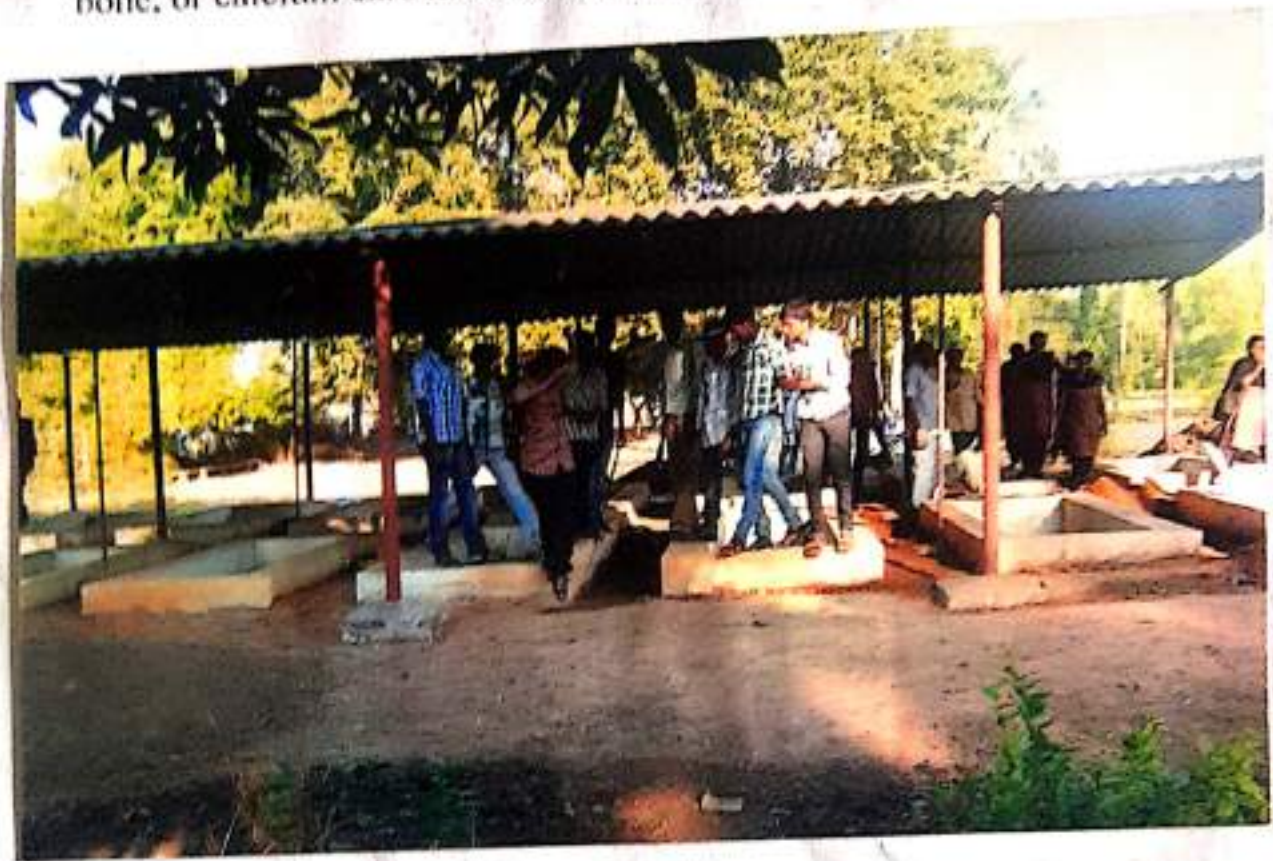
- 1) Helps to control the “metabolic gap” through recycling water on – site.
- 2) Production reduces green house gas emissions such as methane and nitric oxide.

As fertilizes:-

Vermi compost can be mixed directly into the soil, or steeped in water and made into a worm tea by mixing some vermin compost in water, bubbling in oxygen with a small air pump, and steeping for a number of hours or days.

The microbial activity of the compost is greater if it is aerated during this period. The resulting liquid is used as a fertilizer or sprayed on the plants. The dark brown waste liquid or leachate, that drains into the bottom of some vermicomposting systems or water – rich foods break down, is best applied back to the bin when added moisture is

needed due to the possibility of phyto toxin content and organic acids that may be toxic to plants. The PH, nutrient and microbial content of these fertilizers varies open the inputs fed to worms, pulverized limes bone, or calcium carbonate can be added to the system to raise the PH.



Commercial vermicomposters test, and may amend their products to produce consistent quality and results. Because the small scale and home systems use a varied mix of feed stocks, the nitrogen, potassium and phosphorous content of the resulting vermicompost will also be inconsistent. NPK testing may be helpful before the vermicompost or te is applied to the garden.

In order to avoid over – fertilization issues, such as nitrogen burn, vermicompost can be diluted as a tea 50-50 with water, or as a solid can be mixed in 50-50 with potting soil.

The mucus produced creates a natural time release fertilizer which cannot burn plants.

As many students were from rural background and have agricultural lands, they felt that this trip was very useful not only for the students but also for their agricultural lands.



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STUDENTS ATTENDED

S.No.	Name	Group	Sign.
1	Konrayam Vijayalaxmi	B.Sc (MPC) 3 rd	K. Vijayalaxmi
2	Daggulati Anitha	B.Sc (MPC) III year	D. Anitha
3	Pannachandrala	B.Sc (MPC) III year	Pannachandrala
4	Cheemala Shyamala	B.Sc (B) III year	Ch. Shyamala
5	Banthula Maheswari	B.Sc (MPC) III year	B. Maheswari
6	Gode Anitha	B.Sc (BZC) III year	G. Anitha
7	SK. Abbas bee	B.Sc (BZC) III year	SK. Abbas bee
8	P. Akanksha	B.Sc (MPC) III year	P. Akanksha
9	R. Bhargavi	B.Sc (BZC) III year	R. Bhargavi
10	SK. Haseena	B.Sc (BZC) III year	SK. Haseena
11	K. Vijay babu	B.Sc (M.P.C) III year	K. Vijay babu
12	aveen	B.Sc (BZC) III year	V. naveen
13	Guzulathi Deepthi	B.Sc (BZC) III year	G. Deepthi
14	mita potthula Babasankar	B.Sc (MPC) III year	M. Babasankar
15	Kursam Anshavari	B.Sc II nd year	K. Anshavari
16	Sunnam Akanksha	BZC II nd year	S. Akanksha
17	Boggam Chandrakala	BZC II nd year	B. Chandrakala
18	K. Rajee Krishna	BZC II nd year	K. Rajee
19	MD Roshan	BZC II nd year	MD. Roshan
20	T. Thabit'a	B.Sc (MPC) II year	T. Thabit'a
21	S. Nagabhinadu	B.Sc (MPC) II year	S. Nagabhinadu
22	S. Ganesh	B.Sc (MPC) II year	S. Ganesh
23	V. Naga Raju	B.Sc (MPC) II year	V. Naga Raju
24	U. Raju	B.Sc (M.P.C) II year	U. Raju