

VERMICOMPOST PREPARATION

“VERMICOMPOST IS THE SCIENTIFIC METHOD OF MAKING COMPOST, BY USING EARTHWORMS”

PRINCIPLE: Earthworms are mainly used for vermicomposting preparation as they eat the organic matter and produce castings through their digestive systems.

Vermiculture means “worm –farming”. Earthworms feed on organic waste materials and give out excreta in the form of” vermicasts” that are rich in nitrates and minerals such as phosphorus, magnesium, calcium and potassium. These are used as fertilizer and enhance soil quality.

PROCEDURE: To prepare compost, we took a concrete tank. The size of the tank is 4*2

- we collected the organic kitchen waste and allowed it to dry for 2 to 3 days and chopped according to the required size.

- Added a layer of soil or sand at the bottom of the tank.





- THEN ADDED A LAYER OF DRY LEAVES AND AGAIN LAYERED WITH ORGANIC KITCHEN WASTE.
- SPRINKLED IT WITH SLURRY OF COW DUNG.
- THE SAME STEPS WERE REPEATED UNTIL IT WAS ABOUT THE HEIGHT OF 1.0FT.
- ALLOWED IT TO PARTIAL DECOMPOSITION FOR ABOUT 10 DAYS.
- THEN INTRODUCED THE EARTHWORMS.
- AND COVERED THE COMPOST MIXTURE WITH DRY STRAW OR GUNNY BAGS.
- SPRINKLED WATER ON A REGULAR BASIS TO MAINTAIN PROPER MOISTURE AND TEMPERATURE.





 **GPS Map Camera**



Visakhapatnam, Andhra Pradesh, India

26-48-4, Chaitanya Nagar, Gajuwaka,

Visakhapatnam, Andhra Pradesh 530026, India

Lat 17.681273°

Long 83.201571°

01/03/23 02:18 PM GMT +05:30

ADVANTAGES OF VERMICOMPOSTING:

- ENHANCES HEALTH OF THE PLANT ROOTS.
- IMPROVES PHYSICAL STRUCTURE OF THE SOIL.
- INCREASES THE SOIL FERTILITY.
- INCREASES THE WATER RESISTANCE OF THE SOIL.
- HELPS IN GERMINATION, PLANT GROWTH, AND CROP YIELD.

“VERMICOMPOSTING IS AN ECOFRIENDLY PROCESS THAT RECYCLES ORGANIC WASTE INTO COMPOST AND PRODUCES VALUABLE NUTRIENTS TO SOIL.”