

# VITAZYME

## COMPOST TREATMENT

### A BRIEF OVERVIEW OF COMPOSTING

In every case where compost is being made, Vitazyme's active agents will accelerate the composting process by enhancing the metabolism of the organisms involved in the breakdown process. This process normally takes 4 to 5 months, and initially involves thermophiles (high-temperature bacteria), and later the mesophiles (ambient temperature fungi and bacteria). Starting with a high-carbon material like straw, sawdust, or leaf and yard waste, and combining it with a high nitrogen feedstock such as manure, biosolids, or meat scraps, with proper mixing (every 3 to 7 days) and moisture content (40 to 50%), the microbes will have an excellent environment to consume and break down the raw organic products.

Factors affecting the breakdown of cellulose, hemicellulose, lignin, and other complex organic compounds during composting:

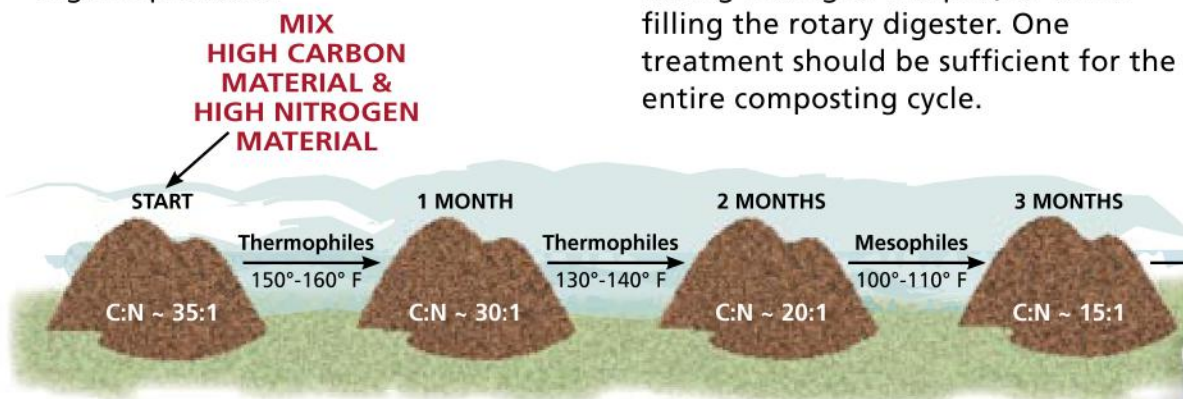
- Temperature
- Nutrient supply
- Moisture content
- Oxygen and CO<sub>2</sub> levels

### VITAZYME ENHANCEMENT OF THE COMPOSTING PROCESS

Vitazyme's active agents will enhance the metabolism of organisms involved in the composting process such as bacteria, fungi, mites, and worms. Apply it at the following rate:

**1 oz per yard of starting material or  
 2 oz per ton of starting material**

Mix the material well into all feedstocks by diluting in water. Spray on Vitazyme during mixing of the pile, or while filling the rotary digester. One treatment should be sufficient for the entire composting cycle.



This process can be accelerated dramatically by more frequent turning, but especially in a rotary digester, where it is possible to move from initiation to the 2-month stage in three days.

**WATCH VITAZYME  
 ACCELERATE THE COMPOSTING  
 PROCESS AND PRODUCE  
 HIGHER QUALITY COMPOST!**



Composting complete in 1 or 2 more months. Fungi, bacteria, actinomycetes, mites, spring-tails, and worms are active in the process.

**TOTAL  
 COMPOSTING  
 TIME:  
 4 TO 5  
 MONTHS.**



# HIGHER QUALITY COMPOST WITH **VITAZYME**

Rotary digester



Compost winrows

Compost piles



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