



# Compost Foodweb Analysis

## Report prepared for:

Earthworm Organics  
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Report Sent: 04/04/2007  
Sample#: 01-104090 | Submission:01-018047  
Unique ID: Worm Castings  
Plant:  
Invoice Number: 2019  
Sample Received: 03/29/2007

For interpretation of this report please contact:  
Local Advisor: or regional lab  
Soil Foodweb, Inc  
[info@soilfoodweb.com](mailto:info@soilfoodweb.com)  
(541) 752-5066  
*Consulting fees may apply*

Organism Biomass Data	Dry Weight	Active Bacterial (µg/g)	Total Bacterial (µg/g)	Active Fungal (µg/g)	Total Fungal (µg/g)	Hyphal Diameter (µm)	Nematodes per Gram of Soil		
							Identification to genus		
<b>Results</b>	0.560	69.3	2466	<b>14.5</b>	603	2.75	Bacterial Feeders		
<b>Comments</b>	In Good Range	Excellent	Good	Low	Excellent		Butlerius		0.75
<b>Expected Range</b>	Low	15	100	15	100		Cuticularia		0.32
	High	0.85	25	3000	300		Diploscapter		2.03
							Plectus		3.10
							Prismatolaimus		0.43
							Rhabditidae		1.92
							Fungal Feeders		
<b>Results</b>	82040	82040	758	20.9	Not Ordered	Not Ordered	Eudorylaimus		0.11
<b>Comments</b>	High	High	High	Good			Mesodorylaimus		0.11
<b>Expected Range</b>	Low	10000	10000	50			Thonus		0.11
	High			100			Fungal/Root Feeders		
							Ditylenchus	Stem & Bulb nematode	1.71
							Filenchus		0.53
							Predatory		
							Mononchoides		0.64
Organism Biomass Ratios	Total Fungal to Total Bacterial	Active to Total Fungal	Active to Total Bacterial	Active Fungal to Active Bacterial	Plant Available N Supply (lbs/acre)				
<b>Results</b>	<b>0.24</b>	0.02	0.03	<b>0.21</b>	200+				
<b>Comments</b>	Low	Good	Good	Low					
<b>Expected Range</b>	Low	0.01	0.01	0.75					
	High	1.5	0.1	1.5					

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Dry Weight: Within normal moisture levels for compost

Active Bacteria: Bacterial activity above expected levels; bacterial biomass will increase as long as nutrients are available

Total Bacteria: Aerobic bacterial biomass in normal range for mature compost

Active Fungi: Fungi may have run out of food or oxygen; add fungal foods, consider turning when oxygen drops too low

Total Fungi: Fungal biomass and diversity above typical range for compost

Hyphal Diameter: Good balance of disease suppressive and normal soil fungi

Protozoa: High ciliate numbers indicate aggregates anaerobic internally, but aerobic outside based on excellent numbers of flagellates and amoebae. This means great diversity, good for soil functioning in all conditions.

Total Nematodes: Good numbers, adequate diversity. More nematode diversity could improve compost benefits.

Mycorrhizal Col.:

TF/TB: More bacterial biomass than fungal biomass. Add fungal foods to improve fungi, if needed.

AF/TF: Activity in desired range for mature compost. Fungi will not compete with plants for nutrients.

AB/TB: Activity in desired range for mature compost. Bacteria will not compete with plants for nutrients.

AF/AB: Bacterial-dominated compost is becoming more bacterial; addition of foods for preferred dominance might speed balance.

Nitrogen Supply: 6.8 tons of yield possible if all biology is functioning

Interpretation Comments:

No details provided, Smell: odorless. Notes:  
Fair bacterial diversity.  
Actinobacterial Biomass = 19.1 ug/g  
Good fungal diversity, hyphal diameters 2.25 to 5.0 um.