



# Compost Foodweb Analysis

## Report prepared for:

Northwest Vermicompost  
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Report Sent: 9/8/2005  
Sample#: 01-101311  
Unique ID: NWVerm9105  
Plant:  
Invoice Number: 8536  
Sample Received: 9/1/2005

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>	0.510	50.9	8321	15.4	509	3.25	Bacterial Feeders		
<b>Comments</b>	In Good Range	Excellent	Excellent	Good	Excellent		Butlerius		0.11
<b>Expected Range</b>	Low	15	100	15	100		Cuticularia		0.08
	High	0.85	25	3000	300		Diploscapter		0.87
							Mononchoides		0.22
							Fungal/Root Feeders		
							Ditylenchus	Stem & Bulb nematode	0.08
		Protozoa		Total Nematodes #/g	Percent Mycorrhizal Colonization				
		Flagellates	Numbers/g Amoebae		Ciliates	ENDO	ECTO		
<b>Results</b>	271997	<b>8366</b>	113	<b>2.69</b>	Not Ordered	Not Ordered			
<b>Comments</b>	High	Low	High	Low					
<b>Expected Range</b>	Low	10000	10000	20					
	High			30					
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				
<b>Results</b>	<b>0.06</b>	<b>0.03</b>	<b>0.006</b>	<b>0.30</b>	250+				
<b>Comments</b>	Low	Low	Low	Low					
<b>Expected Range</b>	Low	1	1	0.75					
	High	1.5	10	1.5					

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Dry Weight: Within normal moisture levels for compost

Active Bacteria: Aerobic bacterial activity above normal range for mature compost

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

Active Fungi: Filamentous fungal activity and diversity in normal range for mature compost

Total Fungi: Aerobic fungal biomass above normal range for mature compost

Hyphal Diameter: Mostly the more disease suppressive fungi present.

Protozoa: High ciliate numbers indicate anaerobic conditions in the recent past. Given more composting time, and more frequent turning, these conditions should be alleviated.

Total Nematodes: Low numbers, low diversity, need to add beneficial nematodes. Nutrient cycling from fungi limited.

Mycorrhizal Col.:

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

AF/TF: Mature compost, meaning activity below 10%

AB/TB: Mature compost, which means bacteria will not compete with plants for nutrients

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

Nitrogen Supply:

Interpretation Comments:

Total Bacteria: Mostly medium cocci, some small fat rods.  
Active Fungi: About half of the active fungi are actinobacteria.  
Total Fungi: Actinobacterial biomass 40.5 ug/g, diameter 1.25 um. Great true fungal diversity, hyphal diameters 2.5 to 10 um.