



# Compost Foodweb Analysis

## Report prepared for:

Compostwerks LLC  
Peter Schmidt  
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Mt. Kisko, New York 10549 U

Report Sent:  
Sample#: 03-008857 | Submission:03-003969  
Unique ID: 1  
Plant:

Invoice Number: 0  
Sample Received: 4/5/2011

[peter@compostwerks.com](mailto:peter@compostwerks.com)

For interpretation of this report please contact:

Local Advisor: or regional lab  
Soil Foodweb New Yor  
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631-750-1553

*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>	<b>0.380</b>	271	3065	222	2181	3	Bacterial Feeders			
<b>Comments</b>	Too Wet	Excellent	Excellent	Excellent	Excellent		Acrobeloides		0.96	
<b>Expected Range</b>	Low	15	100	15	100		Butlerius		0.48	
	High	0.85	25	3000	25	300	Cuticularia		0.48	
								Panagrolaimus		0.64
								Protorhabditis		0.80
								Rhabditidae		1.59
								Fungal/Root Feeders		
								Ditylenchus	Stem & Bulb nematode	3.02
		Protozoa		Total Nematodes #/g	Percent Mycorrhizal Colonization					
		Flagellates	Numbers/g Amoebae		Ciliates	ENDO	ECTO			
<b>Results</b>		36070	11984	1196	20.7	Not Ordered	Not Ordered			
<b>Comments</b>		High	High	High	Good					
<b>Expected Range</b>	Low	10000	10000	50	20					
	High			100	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 (lbs/acre)					
<b>Results</b>	<b>0.71</b>	0.10	0.09	0.82	100-150					
<b>Comments</b>	Low	High	Good	Good						
<b>Expected Range</b>	Low	0.75	0.01	0.01	0.75					
	High	1.5	0.1	0.1	1.5					

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Dry Weight: The compost is a bit wet. Cover compost when raining; reduce water by turning or adding dry material.

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

Total Bacteria: Higher than normal bacterial biomass suggests high bacterial species diversity and plentiful food resources.

Active Fungi: Fungal activity above expected levels; fungal biomass will increase as long as nutrients are available.

Total Fungi: Fungal biomass 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, fair diversity. Need to work on nematode diversity a bit more.

Mycorrhizal Col.: Endo: | Ecto:

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, 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: Good boost in plant available n from predators.

Interpretation Comments:  
Excellent compost for teas and many plant groups.

Compost age 1 yr, compost from Leaf, Veggies, Chips, reached 140, for General Landscape