



Compost Foodweb Analysis

Report prepared for:

Compostwerks LLC
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Report Sent:
Sample#: 03-008496 | Submission:03-003833
Unique ID: Spring 2010 Compost
Plant:

Invoice Number: 0
Sample Received: 4/26/2010

peter@compostwerks.com

For interpretation of this report please contact:

Local Advisor: or regional lab
Soil Foodweb New Yor
soilfoodwebny@aol.co
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		
Results	0.360	108	1745	19.2	2990	3.25	Bacterial Feeders		
Comments	Too Wet	Excellent	Good	Good	Excellent		Butlerius		0.47
Expected Range	Low	15	100	15	100		Plectus		0.73
	High	0.85	25	3000	300		Prismatolaimus		0.21
							Protorhabditis		0.31
							Fungal Feeders		
							Thonus		0.16
							Fungal/Root Feeders		
							Filechus		0.57
							Tylenchus		0.21
		Protozoa Numbers/g		Total Nematodes #/g	Percent Mycorrhizal Colonization				
		Flagellates	Amoebae		Ciliates	ENDO	ECTO		
Results	38495	159770	1277	7.39	Not Ordered	Not Ordered			
Comments	High	High	High	Low					
Expected Range	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 (lbs/acre)				
Results	1.71	0.006	0.06	0.18	250+				
Comments	High	Low	Good	Low					
Expected Range	Low	0.75	0.01	0.75					
	High	1.5	0.1	1.5					

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Dry Weight: The compost is too 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: Aerobic bacterial biomass in normal range for mature compost.

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

Total Fungi: Fungal biomass above typical range for compost.

Hyphal Diameter: Mostly the more disease suppressive fungi present.

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

Mycorrhizal Col.: Endo: | Ecto:

TF/TB: More fungal biomass than bacterial biomass. Excellent for improving fungal diversity and biomass.

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

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

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

Nitrogen Supply:

Interpretation Comments:
Excellent fungal compost. Great protozoa numbers.

Compost age 6 months, compost from Chips, leaves, veggies, reached 138, water added: rain only, for landscape use