



Compost Foodweb Analysis

Report prepared for:

Compostwerks LLC
Peter Schmidt
487 E. Main St Suite 160
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Report Sent:
Sample#: 03-008144 | Submission:03-003652
Unique ID: Fungal Compost
Plant:

Invoice Number: 0
Sample Received: 5/14/2009

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	0.40	97.5	1378	88.4	3164	3.25	Bacterial Feeders		
Comments	Too Wet	Excellent	Good	Excellent	Excellent		Acrobeloides		0.51
Expected Range	Low	0.45	15	100	15	100	Butlerius		1.44
	High	0.85	25	3000	25	300	Cuticularia		1.19
							Diploscapter		0.25
							Heterocephalobus		0.34
							Rhabditidae		0.59
							Fungal Feeders		
							Eudorylaimus		0.25
							Thonus		0.17
							Fungal/Root Feeders		
							Bitylenchus		1.02
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)	Percent Mycorrhizal Colonization		
Results		2.30	0.03	0.07	0.91	300+	ENDO	ECTO	
Comments		High	Good	Good	Good				
Expected Range	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 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: 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: 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: Excellent boost in plant available N from predators.

Interpretation Comments:
Excellent compost sample.

Compost age 5 mos, compost from chips/leaf/veggies, reached 138.