



Compost Foodweb Analysis

Report prepared for:

Compostworks LLC
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Report Sent:
Sample#: 03-007634 | Submission:03-003403
Unique ID: 1
Plant:
Invoice Number: 0
Sample Received: 3/19/2008

For interpretation of this report please contact:
Local Advisor: or regional lab
Soil Foodweb, Inc.
soilfoodwebny@aol.co
(631) 474-8848
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	165	1203	247	1598	2.75	Bacterial Feeders		
Comments	Too Wet	Excellent	Good	Excellent	Excellent		Butlerius		1.82
Expected Range	Low	0.45	15	100	15	100	Cuticularia		1.09
	High	0.85	25	3000	25	300	Plectus		1.09
							Prismatolaimus		0.73
							Rhabditidae		1.46
							Fungal Feeders		
							Epidorylaimus		2.91
							Eudorylaimus		2.55
							Laimydorus		2.91
							Thonus		0.73
							Fungal/Root Feeders		
							Filenchus		0.73
							Predatory		
							Clarkus		8.38
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	1.33	0.15	0.14	1.50	300+				
Comments	Good	High	High	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: 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 and diversity. The compost will provide a good source of inocula of beneficial nematodes.

Mycorrhizal Col.: Endo: | Ecto:

TF/TB: Balanced biomass and diversity of bacteria and fungi. Good inoculum of both bacteria and fungi.

AF/TF: Not mature. Wait to apply this material until activity drops below 10%. Material is currently suitable for making tea.

AB/TB: Not mature. Wait to apply this material until activity drops below 10%. Material is currently suitable for making tea.

AF/AB:

Nitrogen Supply: Excellent boost in plant available N from predators.

Interpretation Comments:
The compost is excellent. A bit on the wet side, however. The material is perfect for tea use, but should be aged a bit longer for use with direct soil applications.

Very good diversity of microbes present.

Compost age 6-12 months, compost from leaves and wood chips.
Total Fungi: Good diversity of fungi present. Hyphal diameters from 2.0 - 3.25