



Foodweb Analysis

Soil Amendment

Report prepared for:

CompostWerks LLC
 Peter Schmidt
 487 E Main St Ste 160
 Mount Kisco, NY 10549 USA

Report Sent: 7/8/2010
 Sample#: 01-109479 | Submission:01-020448
 Unique ID: compost #2
 Plant:

Invoice Number: 5614
 Sample Received: 6/30/2010

peter@compostwerks.com

For interpretation of this report please contact:
 Soil Foodweb Oregon
info@oregonfoodweb.com
 (541) 752-5066
Consulting fees may apply

Organism Biomass Data	Dry Weight	Active Bacteria (µg/g)	Total Bacteria (µg/g)	Active Fungi (µg/g)	Total Fungi (µg/g)	Hyphal Diameter (µm)	Nematode detail (# per gram or # per mL) Classified by type and identified to genus. (If section is blank, no nematodes identified.)		
Results	0.370	41.2	1496	0	2159	2.8	Bacterial Feeders	9.85	
Comments	Below Range	Above range	In range	Below range	Above range		Butlerius		0.25
Expected Range	Low: 0.45 High: 0.85	15 25	100 3000	15 25	100 300		Cervidellus		0.49
							Cuticularia		0.74
							Diplogasteritus		2.96
							Diploscapter		0.99
							Plectus		0.49
							Prismatolaimus		0.49
							Rhabditidae		3.20
							Wilsonema		0.25
							Fungal Feeders	0.25	
							Tylencholaimus		0.25
							Fungal/Root Feeders	9.11	
							Aphelenchoides		Foliar nematode 1.72
							Ditylenchus		Stem & Bulb nematode 5.67
							Filenchus		1.72
							Predatory	0.99	
							Clarkus		0.25
							Seinura		0.74
Organism Biomass Ratios	Total Fungi to Tot.Bacteria	Active to Total Fungi	Active to Total Bacteria	Active Fungi to Act.Bacteria	Plant Available N Supply (lbs/ac)	Actino Bacteria (µg/g)			
Results	1.44	0	0.03	0	200+	25.6			
Comments	Good	Low	Good	Low					
Expected Range	Low: 0.75 High: 1.5	0.01 0.1	0.01 0.1	0.75 1.5					

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Dry Weight: Cover material 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 amendment

Active Fungi: Fungi may have run out of food or oxygen; add fungal foods, consider turning when oxygen drops too low

Total Fungi: Fungal biomass and diversity above typical range for amendment

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. Typically means excellent soil health.

Mycorrhizal Col.:

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

AF/TF: Add beneficial fungal foods to improve active fungal biomass

AB/TB: Activity in desired range for mature amendment. Bacteria will not compete with plants for nutrients.

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

Interpretation Comments:

Actinobacteria Biomass = 25.6 ug/g
Good fungal diversity. Hyphal diameter: 1.5 to 6um