



Compost Foodweb Analysis

Report prepared for:

Earth Fortification Supplies Co
Matt Slaughter
728 SW Wake Robin Ave
Corvallis, OR 97333-1612 US

Report Sent: 02/14/2006

Sample#: XXXXXXXXXX

Unique ID: KIS Vermi

Plant:

Invoice Number: 0

Sample Received: 02/08/2006

info@earthfortification.com

For interpretation of this report please contact:

Local Advisor: or regional lab
Soil Foodweb, Inc
info@soilfoodweb.com
(541) 752-5066

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	0.220	342	5969	45.9	3173	3.25	Bacterial Feeders		
Comments	Too Wet	Excellent	Excellent	Excellent	Excellent		Butlerius	2.83	
Expected Range	Low	15	100	15	100		Cuticularia	8.49	
	High	0.85	25	3000	25	300	Diplogasteritus	3.54	
								Diploscapter	0.71
								Mesorhabditis	3.54
								Rhabditidae	13.44
								Fungal/Root Feeders	
								Aphelenchus	0.71
								Seinura	0.71
		Protozoa Numbers/g		Total Nematodes #/g	Percent Mycorrhizal Colonization				
		Flagellates	Amoebae	Ciliates					
Results	209599	630845	2616	154	Not Ordered	Not Ordered			
Comments	High	High	High	High					
Expected Range	Low	10000	10000	50					
	High			100					
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				
Results	0.53	0.01	0.06	0.13	300+				
Comments	Low	Good	Good	Low					
Expected Range	Low	0.75	0.01	0.01					
	High	1.5	0.1	0.1					

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Dry Weight: 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

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

Total Fungi: Fungal biomass and diversity 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: Good numbers and diversity. Typically means excellent soil health.

Mycorrhizal Col.:

TF/TB: Bacterial compost, but contains excellent fungal biomass.

AF/TF: Activity in desired range for mature compost. Fungi will not compete with plants for nutrients.

AB/TB: Activity in desired range for 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: 10 tons of yield possible if all biology is functioning

Interpretation Comments:

Actinobacterial biomass = 90.2 ug/g. Fairly good true fungal diversity with some long hyphae, diameters 2.25 to 5.0 um.