



Compost Foodweb Analysis

Report prepared for:

Soil Foodweb Institute - R & D
Merline Olson
2 Crawford Road,
East Lismore, NSW 2480

Report Sent: 03/08/2009
Sample#: 02-010618 | Submission: 02-005240
Unique ID: Product @ 1 hr
Plant:
Invoice Number: 0
Sample Received: 20/07/2009

For interpretation of this report please contact:
Local Advisor: or regional lab:
Soil Foodweb Institute
contact@soilfoodweb.c
0266225150
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)
Results	0.280	154	3497	24.1	3200	3
Comments	Too Wet	Above range	Above range	In range	Above range	
Expected Range	Low	0.45	15	100	15	100
	High	0.85	25	3000	25	300

	Protozoa (Numbers/g)			Total Nematodes #/g	Mycorrhizal Colonization (%)	
	Flagellates	Amoebae	Ciliates		ENDO	ECTO
Results	49777	20660	129	Not Ordered	Not Ordered	Not Ordered
Comments	High	High	High			
Expected Range	Low	10000	10000	20		
	High			30		

Organism Biomass Ratios	Total Fungal to Tot. Bacterial	Active to Total Fungal	Active to Total Bacterial	Active Fungal to Act. Bacterial	Plant Available N Supply (lbs/ac)
Results	0.92	0.008	0.04	0.16	100-150
Comments	Good	Low	Good	Low	
Expected Range	Low	0.75	0.01	0.01	0.75
	High	1.5	0.1	0.1	1.5

Nematode detail (# per gram or # per mL) Classified by type and identified to genus. (If section is blank, no nematodes identified.)		

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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:	Filamentous fungal activity and diversity in normal range for mature compost.
Total Fungi:	Fungal biomass and diversity 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	
Mycorrhizal Col.	Endo: Ecto:
TF/TB:	Balanced biomass and diversity of bacteria and fungi. Good inoculum of both bacteria and fungi.
AF/TF:	Need to add beneficial fungal foods to improve active fungal biomass.
AB/TB:	Bacterial component is mature, which means bacteria will not compete with plants for nutrients.
AF/AB:	Balanced compost is becoming more bacterial; addition of foods for preferred dominance might speed balance.
Nitrogen Supply	In good range. Nutrients are being cycled and made available to plants.
Interpretation Comments	

Actinobacteria Biomass = 17.6 ug/g