Compost
Foodweb Analysis

Report prepared for:

Frontier Industrial Corp
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Report Sent: 06/09/2005
Sample#: 01-100819
Unique ID: Quality Assurance
Plant:
Invoice Number: 8270
Sample Received: 06/02/2005

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)
Results		0.560	264	3356	**6.64**	433	2.5
Comments		In Good Range	Excellent	Excellent	Low	Excellent	
Expected Range	Low	0.45	15	100	15	100	
	High	0.85	25	3000	25	300	

	Protozoa			Total Nematodes #/g	Percent Mycorrhizal Colonization	
	Numbers/g					
	Flagellates	Amoebae	Ciliates		ENDO	ECTO
Results	56346	102447	819	**10.7**	Not Ordered	Not Ordered
Comments	High	High	High	Low		
Expected Range Low	10000	10000	50	20		
Expected Range High			100	30		

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		**0.13**	**0.02**	**0.08**	**0.03**	200+
Comments		Low	Low	Low	Low	
Expected Range	Low	0.75	1	1	0.75	
	High	1.5	10	10	1.5	

Nematodes per Gram of Soil
Identification to genus

Bacterial Feeders		
Panagrolaimus		6.00

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Dry Weight:	In Good Range
Active Bacteria:	Excellent
Total Bacteria:	Excellent
Active Fungi:	Low activity. Fungi may have run out of food or oxygen.
Total Fungi:	Excellent
Hyphal Diameter:	OK
Protozoa:	High ciliate numbers indicate that the aggregates are anaerobic on the inside, but the excellent numbers of flagellates and amoebae indicate the outsides of the aggregates are fully aerobic. This means great diversity, good for soil functioning in all conditions.
Total Nematodes:	Low numbers, low diversity, need to add beneficial nematodes.
Mycorrhizal Col.:	
TF/TB:	Bacterial dominated compost--not the best sort for application to trees. Need more cellulose in the starting materials to nourish fungi.
AF/TF:	Mature
AB/TB:	Mature
AF/AB:	Compost will become more bacterial over time.
Nitrogen Supply:	6.8 tons of yield possible if all biology is functioning

Interpretation Comments:

17 weeks compost from Chicken manure/ straw/ yard debris/ wood chips/ organic vegetables, reached 135+ for 3 weeks, water added by soaker hose, for decidious tree application, Smell: earthy.

Total Fungi: Good fungal diversity.