



Foodweb Analysis

Soil Amendment

Report prepared for:

Alaska Organics
 Tim Felegy
 PO Box 81946
 San Diego, CA 92138-1946 U

Report Sent:
 Sample#: 01-111977 | Submission:01-021488
 Unique ID: Denali Gold South Anchorage
 Plant:

Invoice Number: 7379
 Sample Received: 7/11/2011

tim@alaskaorganics.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	0.440	107	473	17.6	1600	3	
Comments	Below Range	Above range	In range	In range	Above range		
Expected Range	Low: 0.45 High: 0.85	15 25	100 3000	15 25	100 300		
	Protozoa (Numbers/g)			Total Nematodes #/g	Mycorrhizal Colonization (%)		
	Flagellates	Amoebae	Ciliates		ENDO	ECTO	
Results	0	0	0	0	Not Ordered	Not Ordered	
Comments	Low	Low	Low	Low			
Expected Range	Low: 10000 High:	10000	50 100	20 30			
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	3.38	0.01	0.23	0.16	<5	17.4	
Comments	High	Good	High	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: Filamentous fungal activity and diversity in normal range for mature amendment

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

Hyphal Diameter: Good balance of disease suppressive and normal soil fungi

Protozoa: (data not yet available)

Total Nematodes: (data not yet available)

Mycorrhizal Col.:

TF/TB: More fungal biomass than bacterial biomass. Excellent for improving fungal diversity and biomass.

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

AB/TB: Not mature. Wait to apply this material until activity drops below 0.1 (10%). Material is currently suitable for making liquid amendment.

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

Interpretation Comments:

Actinobacteria Biomass = 17.4 ug/g
Good fungal diversity. Hyphal diameter: 1.5 to 6.0um.