



Foodweb Analysis

Soil Amendment

Report prepared for:

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

Report Sent:
 Sample#: 01-111993 | Submission:01-021496
 Unique ID: Denali Gold 56th Ave
 Plant:

Invoice Number: 0
 Sample Received: 7/14/2011

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	0.180	49.3	2422	2.51	36190	3.5	
Comments	Below Range	Above range	In range	Below range	Above range		
Expected Range	Low	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	0	0	0	0	Not Ordered	Not Ordered	
Comments	Low	Low	Low	Low			
Expected Range	Low	10000	10000	50			
	High			100			
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	14.94	0.00007	0.02	0.05	<5	31.8	
Comments	High	Low	Good	Low			
Expected Range	Low	0.75	0.01	0.01	0.75		
	High	1.5	0.1	0.1	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: Mostly the more disease suppressive fungi present.

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

Interpretation Comments:

Actinobacteria Biomass = 31.8 ug/g
Good fungal diversity. Hyphal diameter: 1.5 to 7.0um.