



Foodweb Analysis Soil

Report prepared for:

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Report Sent: 7/1/2011
 Sample#: 01-111852 | Submission:01-021439
 Unique ID: sample 1
 Plant: Not Indicated
 Invoice Number: 7277
 Sample Received: 6/22/2011

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	0.470	37.0	1420	19.2	1094	2.9	Bacterial Feeders	23.41	
Comments	In Good Range	Above range	Above range	In range	Above range		Butlerius		17.23
Expected Range	Low	10	150	10	150		Cephalobus		0.44
	High	0.85	25	300	300		Cuticularia		0.88
							Diplogasteritus		0.88
							Diploscapter		0.88
							Rhabditidae		3.09
							Fungal/Root Feeders	0.44	
							Aphelenchus		0.44
							Predatory	1.33	
							Mononchoides		0.88
							Seinura		0.44
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	0.77	0.02	0.03	0.52	300+	16.3			
Comments	Low	Low	Low	Low					
Expected Range	Low	0.1	0.1	0.75					
	High	1.5	0.15	1.5					

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Dry Weight: Check plant requirements, but moisture appears to be fine

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

Total Fungi: Fungal biomass and diversity above typical range

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

Protozoa: Nutrients are being cycled and made available to plants in good rates.

Total Nematodes: Good numbers, OK diversity. Need to work on rounding out nematode community.

Mycorrhizal Col.:

TF/TB: Too bacterial-dominated for some crops. Will lack disease suppression, nutrient retention, ability to build soil structure. Need to improve beneficial fungi to balance bacterial biomass.

AF/TF: Low activity relative to total biomass; need to add fungal foods to encourage fungi

AB/TB: Low activity relative to total biomass

AF/AB: Soil is bacterial dominated, and becoming more bacterial; addition of fungal foods might help maintain balance

Interpretation Comments:

Actinobacteria Biomass = 16.3 ug/g
Good fungal diversity, hyphal diameter: 1.5 to 5.5um