Foodweb Analysis
Liquid Amendment

Report prepared for:

Earthworm Organics LLC
Gus Olson
71-682 Mirage Rd
Rancho Mirage, CA 92270 US
(760) 776-8003
gusolson@aol.com

Report Sent: 8/9/2011
Sample#: 01-112129 | Submission:01-021538
Unique ID: ST2 + HA
Plant:
Invoice Number: 7488
Sample Received: 7/28/2011

For interpretation of this report please contact:
Soil Foodweb Oregon
info@oregonfoodweb.com
(541) 752-5066

Consulting fees may apply

Organism Biomass Data	Sample Size (ml)	Active Bacterial (µg/mL)	Total Bacterial (µg/mL)	Active Fungal (µg/mL)	Total Fungal (µg/mL)	Hyphal Diameter (µm)
Results	1	0.58	8192	0	2.34	2.7
Comments		Below range	Above range	Below range	In range	
Expected Range Low		10	150	2	2	
Expected Range High		150	3000	10	20	

Nematodes per Ml of Tea
Classified by type and identified to genus.
(If section is blank, no nematodes identified.)

	Protozoa (Numbers/g)			Total Nematodes #/mL	Mycorrhizal Colonization (%)	
	Flagellates	Amoebae	Ciliates		ENDO	ECTO
Results	2772	5753	**2**	Not Ordered	Not Ordered	Not Ordered
Comments	High	High	Low			
Expected Range Low	1000	1000	20	2		
Expected Range High			50	10		

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	**0.0003**	**0**	**0.00007**	**0**	200+	0
Comments	Low	Low	Low	Low		
Expected Range Low	0.01	0.1	0.1	0.9		
Expected Range High	0.1	0.25	0.25	1.1		

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Dry Weight:

Active Bacteria:	Aerobic bacteria are dormant; Food resources are exhausted, oxygen is depleted or other habitat factor not in desired range.
Total Bacteria:	High biomass level suggests a bacterial bloom occurred.
Active Fungi:	Fungi are dormant. Were sufficient fungal foods and aeration provided to keep fungi active?
Total Fungi:	Aerobic fungal biomass at low end of normal range
Hyphal Diameter:	Disease suppressive fungi were extracted.
Protozoa:	
Total Nematodes:	
Mycorrhizal Col.:	
TF/TB:	Bacterial biomass greater than fungal, but may still provide adequate fungal biomass. Check plant surfaces after application.
AF/TF:	Activity low, total biomass just at minimum acceptable range. Need to add fungal foods, increase aeration.
AB/TB:	Low activity, high biomass. Need to add bacterial foods, increase aeration.
AF/AB:	Bacterial-dominated; becoming more bacterial; addition of foods for preferred dominance might speed balance.

Interpretation Comments:

Actinobacteria Biomass = 0 ug/g
Fair fungal diversity. Hyphal diameter: 1.5 to 4.5um. Diverse bacteria.