



Foodweb Analysis Liquid Amendment

Report prepared for:

Tech Terra Organics

Barry Draycott

342 Rancocas Blvd

Mt Laurel, NJ 08054 USA

Report Sent: 12/3/2009

Sample#: 01-108423 | Submission:01-019983

Unique ID: TTO 1

Plant:

Invoice Number: 4663

Sample Received: 11/25/2009

techterra@comcast.net

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)	Nematodes per MI of Tea Classified by type and identified to genus. (If section is blank, no nematodes identified.)		
Results	1	804	2368	15.3	29.2	3.5	Bacterial Feeders Cephalobus Cuticularia Eucephalobus Plectus Rhabditidae Fungal/Root Feeders Aphelenchus	0.16	0.006 0.006 0.02 0.006 0.12 0.006
Comments		Above range	In range	Above range	Above range				
Expected Range	Low	10	150	2	2				
	High	150	3000	10	20				
	Protozoa (Numbers/g)			Total Nematodes #/mL	Mycorrhizal Colonization (%)		0.006		
	Flagellates	Amoebae	Ciliates		ENDO ECTO				
Results	277259	3164	27	0.16	Not Ordered	Not Ordered			
Comments	High	High	Good	Low					
Expected Range	Low	1000	20	2					
	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	0.01	0.53	0.34	0.02	200+	0.17			
Comments	Good	High	High	Low					
Expected Range	Low	0.01	0.1	0.9					
	High	0.1	0.25	0.25	1.1				

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Dry Weight:

Active Bacteria: Bacterial activity above expected level; bacterial biomass will increase with time as long as food is present

Total Bacteria: Bacterial biomass and diversity in expected range; good extraction and growth are indicated

Active Fungi: Fungal activity above expected levels; fungal biomass will increase as long as nutrients are available

Total Fungi: Fungal biomass and diversity above typical range for compost tea.

Hyphal Diameter: Excellent, Disease suppressive fungi were extracted.

Protozoa: Aerobic protozoan numbers in good range. Most likely protozoa will be transferred successfully when applied to soil

Total Nematodes: Nematodes either not present in compost, not extracted, or did not survive in tea.

Mycorrhizal Col.:

TF/TB: Balanced fungal and bacterial biomass. Good inoculum of both fungi and bacteria. Check to make sure both groups survive application system.

AF/TF: Excellent fungal activity, excellent fungal biomass. This tea could be applied at less than the normal volumes

AB/TB: Bacterial activity high relative to total biomass, so bacteria are in a "bloom" phase. Nutrients are being sequestered.

AF/AB: Balanced compost tea relative to stated purpose is becoming more bacterial; addition of foods for preferred dominance might speed balance.

Interpretation Comments:

Actinobacteria Biomass = 0.17 ug/g
Fair fungal diversity.
Many long strands of hyphae germinated from active spores.
Hyphal diameter: 2.5 to 5um.
Very diverse bacteria.

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