Compost Tea
Foodweb Analysis

Report prepared for:

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Report Sent: 07/18/2007
Sample#: 01-104477 | Submission:01-018254
Unique ID: B-24hrs
Plant:
Invoice Number: 0
Sample Received: 07/12/2007

For interpretation of this report please contact:
Local Advisor: or regional lab
Soil Foodweb Oregon
info@oregonfoodweb.
(541) 752-5066
Consulting fees may apply

Organism Biomass Data	Tea Volume (ml)	Active Bacterial (µg/mL)	Total Bacterial (µg/mL)	Active Fungal (µg/mL)	Total Fungal (µg/mL)	Hyphal Diameter (µm)
Results	1	18.2	4480	2.24	6.80	4
Comments		Good	Excellent	Good	Good	
Expected Range Low		10	150	2	2	
Expected Range High		150	3000	10	20	

	Protozoa			Total Nematodes #/mL	Percent Mycorrhizal Colonization	
	Numbers/g					
	Flagellates	Amoebae	Ciliates		ENDO	ECTO
Results	**27**	**13**	**0**	Not Ordered	Not Ordered	Not Ordered
Comments	Low	Low	Low			
Expected Range Low	1000	1000	20	2		
Expected Range High			50	10		

Organism Biomass Ratios	Total Fungal to Total Bacterial	Active to Total Fungal	Active to Total Bacterial	Active Fungal to Active Bacterial	Plant Available N Supply (lbs/acre)
Results	**0.002**	0.33	**0.004**	**0.12**	<5
Comments	Low	High	Low	Low	
Expected Range Low	0.01	0.1	0.1	0.9	
Expected Range High	0.1	0.25	0.25	1.1	

Nematodes per Ml of Tea
Identification to genus

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Dry Weight:

Active Bacteria:	Activity in normal range for good compost tea
Total Bacteria:	High biomass level suggests a bacterial bloom occurred during brewing
Active Fungi:	Beneficial filamentous fungal activity and diversity in normal range
Total Fungi:	Fungal biomass and diversity within typical range for compost tea.
Hyphal Diameter:	Excellent, Disease suppressive fungi were extracted.
Protozoa:	Protozoa either not present in compost, not extracted, or did not survive in tea. Check pH, chlorine, EC (salts), aeration, loss of power during brewing, etc
Total Nematodes:	
Mycorrhizal Col.:	
TF/TB:	Bacterial biomass greater than fungal, but may still provide adequate fungal biomass. Check surfaces after application
AF/TF:	Fungi are mostly active and growing.
AB/TB:	Activity adequate, good total bacterial biomass
AF/AB:	Bacterial-dominated compost tea is becoming more bacterial; addition of foods for preferred dominance might speed balance.
Nitrogen Supply:	0.16 tons of yield possible if all biology is functioning

Interpretation Comments:

24 hour brew, for application on variety. Arrived in plastic bin, Notes:
Actinobacterial Biomass = 0.03 ug/g. Fungal dia: 2.5-5.0 um, most hyphae covered in bacteria, very diverse bacteria.