Biological Analysis
Soil Amendment

Report prepared for:
CompostWerks LLC
Peter Schmidt (Advisor 2011)
487 East Main Street Suite 160
Mt. Kisco, NY 10549 USA

peter@compostwerks.com

Report Sent: 9/27/2013
Sample#: 01-117389 | Submission:01-023390
Unique ID:
Plant:
Invoice Number: 0
Sample Received: 9/17/2013

For interpretation of this report please contact:
Earthfort Labs
info@earthfort.com
(541) 257-2612

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)
Results		0.550	67.2	2075	23.0	724	2.85
Comments		In Good Range	Above range	In range	In range	In range	
Expected Range	Low	0.2	3	300	3	300	
	High	0.8	30	3000	30	3000	

	Protozoa (Numbers/g)			Total Nematodes #/g	Mycorrhizal Colonization (%)	
	Flagellates	Amoebae	Ciliates		ENDO	ECTO
Results	50530	77701	253	**0.38**	Not Ordered	Not Ordered
Comments	Good	Good	Good	Low		
Expected Range Low	10000	10000	0	10		
Expected Range High	100000	100000	2000	100		

Organism Biomass Ratios		Total Fungi to Tot.Bacteria	Active to Total Fungi	Active to Total Bacteria	Active Fungi to Act.Bacteria	Nitrogen Cycling Potential (lbs/ac)
Results		0.35	0.03	0.03	0.34	200+
Comments		Good	Good	Good	Good	
Expected Range	Low	0.01	0.01	0.01	0.01	
	High	10	0.1	0.1	10	

Nematode detail (# per gram or # per mL)
Classified by type and identified to genus.
(If section is blank, no nematodes identified.)

Bacterial Feeders	0.31	
Butlerius		0.08
Cuticularia		0.13
Diplogasteritus		0.02
Rhabditidae		0.08
Fungal Feeders	0.02	
Eudorylaimus		0.02
Fungal/Root Feeders	0.06	
Ditylenchus	Stem & Bulb nematode	0.04
Filenchus		0.02

CompostWerks LLC
Peter Schmidt (Advisor 2011)
487 East Main Street Suite 160
Mt. Kisco, NY 10549 USA

peter@compostwerks.com

Report Sent: 9/27/2013
Sample#: 01-117389 | Submission:01-023390
Unique ID:
Plant:
Invoice Number: 0
Sample Received: 9/17/2013

For interpretation of this report please contact:
Earthfort Labs
info@earthfort.com
(541) 257-2612

Consulting fees may apply

Dry Weight:	Within normal moisture levels.
Active Bacteria:	Bacterial activity above expected level.
Total Bacteria:	Good bacterial biomass.
Active Fungi:	Fungal activity within normal levels.
Total Fungi:	Good fungal biomass.
Hyphal Diameter:	Good balance of fungi.
Protozoa:	Should provide a good inoculum of protozoa.
Total Nematodes:	Low numbers, OK diversity.
Mycorrhizal Col.:	
TF/TB:	Bacterial dominated.
AF/TF:	Good fungal activity.
AB/TB:	Good bacterial activity.
AF/AB:	Bacterial dominated, becoming more bacterial.

Interpretation Comments:

Fairly good fungal diversity, hyphal diameter: 1.5 to 4.0 um. Actinobacteria Biomass = 6.96 ug/g