



Compost Foodweb Analysis

Report prepared for:

Harrington's Organic Land Care
Todd Harrington
70 Highland Park Drive
Bloomfield, Connecticut 06002

Report Sent:

Sample#: 03-010599 | Submission:03-004719

Unique ID: Harrington's Old Maid's Farm

Plant:

Invoice Number: 0

Sample Received: 6/4/2015

amy@harringtonsorganic.com

For interpretation of this report please contact:

Local Advisor: or regional lab
Soil Foodweb New Yor
soilfoodwebny@aol.co
631-750-1553

Consulting fees may apply

Organism Biomass Data	Dry Weight	Active Bacterial (µg/g)	Total Bacterial (µg/g)	Active Fungal (µg/g)	Total Fungal (µg/g)	Hyphal Diameter (µm)	Nematodes per Gram of Soil Identification to genus		
Results	0.470	40.2	581	50.2	415	3.25	Bacterial Feeders		
Comments	In Good Range	Excellent	Good	Excellent	Excellent		Acrobeles		0.39
Expected Range	Low	15	100	15	100		Acrobeloides		0.59
	High	0.85	25	3000	300		Butlerius		0.29
							Heterocephalobus		0.78
							Monobutlerius		0.29
							Plectus		0.39
							Prismatolaimus		0.49
							Rhabditidae		0.29
							Fungal Feeders		
Results	91402	594397	98	10.3	Not Ordered	Not Ordered	Aporcelaimium		0.29
Comments	High	High	Good	Low			Thonus		0.20
Expected Range	Low	10000	10000	50			Fungal/Root Feeders		
	High			100	30		Aphelenchus		0.29
							Filenchus		0.20
							Tylenchus		0.29
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	0.71	0.12	0.07	1.25	300+				
Comments	Low	High	Good	Good					
Expected Range	Low	0.75	0.01	0.01	0.75				
	High	1.5	0.1	0.1	1.5				

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Dry Weight: Good moisture content.

Active Bacteria: Bacterial activity above expected levels; bacterial biomass will increase as long as nutrients are available.

Total Bacteria: Aerobic bacterial biomass in normal range for mature compost.

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

Total Fungi: Fungal biomass above typical range for compost.

Hyphal Diameter: Mostly the more disease suppressive fungi present.

Protozoa: Protozoa present in numbers that will allow nutrients to be cycled and made available to plants in good quantities.

Total Nematodes: Low numbers, but decent diversity, need to add beneficial nematodes. Nutrient cycling from fungi limited.

Mycorrhizal Col.: Endo: | Ecto:

TF/TB: More bacterial biomass than fungal biomass. Add fungal foods to improve fungi, if needed.

AF/TF: Fungal component still has slightly high activity. Wait to apply this material until activity drops below 10%. Material is currently suitable for making tea.

AB/TB: Mature compost, bacteria will not compete with plants for nutrients.

AF/AB: Bacterial-dominated compost is becoming more fungal; addition of foods for preferred dominance might speed balance.

Nitrogen Supply: Excellent boost in plant available N from predators.

Interpretation Comments:

Good F to B ratio for vegetable gardens and lawns.

Compost age 2.5 years, compost from manures, green waste, straw, leaves, reached 132, for gardens