

Compost Detail



Report prepared for:
Black Earth Compost
Syed Dong
2 Hillside Rd.
Gloucester, MA 01930

For interpretation of this report, please
contact your local Soil Steward or the lab.

Report Sent: 02/24/2024
Sample # 03-13777
Unique ID: Manchester
Plant: N/A
Season: N/A
Invoice Number: 5438
Sample Received: 01/12/2024

SOIL FOODWEB NEW YORK
17 Clinton St.
Center Moriches, NY 11934
631-750-1553
soilfoodwebny@aol.com
<http://soilfoodwebnewyork.com>

Assay Name	Result	Units	Range	Commentary
Organism Biomass Data				
Dry Weights	0.43	N/A	0.2 to 0.8	Within normal moisture levels.
Active Fungi	252.95	µg/g	> 3	Fungal activity within normal levels.
Total Fungi	4475.94	µg/g	> 300	Good fungal biomass.
Hyphal Diameter	4.00	µm	> 2.5	Disease suppressive fungi likely present.
Active Bacteria	101.61	µg/g	> 3	Bacterial activity within normal levels.
Total Bacteria	1315.09	µg/g	> 300	Good bacterial biomass.
Actinobacteria	0.00	µg/g	< 20	
Organism Biomass Ratios				
TF:TB	3.40		0.01 to 10	Balanced fungal and bacterial biomass.
AF:TF	0.06		< 0.1	Good fungal activity.
AB:TB	0.08		< 0.1	Good bacterial activity.
AF:AB	2.49		0.01 to 10	Fungal dominated, becoming more fungal.
Protozoa (Protists)				
Flagellates	108053.80	#/g	> 10000	Lacking species diversity.
Amoebae	6505.28	#/g	> 10000	
Ciliates	107.91	#/g	< 1146	
Nitrogen Cycling Potential	200+	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period.
Nematodes				
Nematodes	3.21	#/g	> 10	Default Comment Override
Bacterial	2.93	#/g		
Fungal	0.29	#/g		
Fungal/Root	0.00	#/g		
Predatory	0.00	#/g		
Root	0.00	#/g		
Miscellaneous Testing				
E.coli	16.42	CFU/g	< 800	For most areas, the maximum E.coli CFU/g is 800 - 1000. Please check your local regulations for more information.
pH	Not Ordered			
Electrical Conductivity	Not Ordered	µs/cm	< 3500	
Organic Matter	Not Ordered			

Notes

Excellent levels of bacteria and fungi. Very high protozoan populations are leading to very good cycling of nutrients.

Nematode Detail



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Nematode Group and Genus	Result in #/g	Level	Notes
Total Nematodes	3.21	> 10	Default Comment Override
Bacterial Feeders	2.93		
Butlerius	0.79		
Cuticularia	0.43		
Heterocephalobus	0.29		
Panagrolaimus	0.21		
Protorhabditis	0.50		
Rhabditidae	0.71		
Fungal Feeders	0.29		
Eudorylaimus	0.29		
Fungal/Root Feeders	0.00		
Predatory	0.00		
Root Feeders	0.00		

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Report Sent: 02/24/2024
Sample #: 03-13778
Unique ID: Groton
Plant: N/A
Season: N/A
Invoice Number: 5438
Sample Received: 01/12/2024

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Assay Name	Result	Units	Range	Commentary
Organism Biomass Data				
Dry Weights	0.50	N/A	0.2 to 0.8	Within normal moisture levels.
Active Fungi	44.09	µg/g	> 3	Fungal activity within normal levels.
Total Fungi	836.72	µg/g	> 300	Good fungal biomass.
Hyphal Diameter	3.25	µm	> 2.5	Disease suppressive fungi likely present.
Active Bacteria	55.98	µg/g	> 3	Bacterial activity within normal levels.
Total Bacteria	1240.93	µg/g	> 300	Good bacterial biomass.
Actinobacteria	0.00	µg/g	< 20	
Organism Biomass Ratios				
TF:TB	0.67		0.01 to 10	Balanced fungal and bacterial biomass.
AF:TF	0.05		< 0.1	Good fungal activity.
AB:TB	0.05		< 0.1	Good bacterial activity.
AF:AB	0.79		0.01 to 10	Bacterial dominated, becoming more bacterial.
Protozoa (Protists)				
Flagellates	2799.54	#/g	> 10000	Lacking species diversity.
Amoebae	559.50	#/g	> 10000	
Ciliates	12.12	#/g	< 34	
Nitrogen Cycling Potential	<25	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period.
Nematodes				
Nematodes	0.40	#/g	> 10	Default Comment Override
Bacterial	0.40	#/g		
Fungal	0.00	#/g		
Fungal/Root	0.00	#/g		
Predatory	0.00	#/g		
Root	0.00	#/g		
Miscellaneous Testing				
E.coli	4.04	CFU/g	< 800	For most areas, the maximum E.coli CFU/g is 800 - 1000. Please check your local regulations for more information.
pH	Not Ordered			
Electrical Conductivity	Not Ordered	µs/cm	< 3500	
Organic Matter	Not Ordered			
Notes				

Good bacterial and fungal biomass. Protozoan populations are low and resulting in limited cycling of nutrients.

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Nematode Group and Genus	Result in #/g	Level	Notes
Total Nematodes	0.40	> 10	Default Comment Override
Bacterial Feeders	0.40		
Acrobelloides	0.06		
Plectus	0.11		
Prismatolaimus	0.11		
Rhabditidae	0.13		
Fungal Feeders	0.00		
Fungal/Root Feeders	0.00		
Predatory	0.00		
Root Feeders	0.00		

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Report Sent: 02/24/2024
Sample #: 03-13779
Unique ID: Framingham
Plant: N/A
Season: N/A
Invoice Number: 5438
Sample Received: 01/12/2024

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Assay Name	Result	Units	Range	Commentary
Organism Biomass Data				
Dry Weights	0.39	N/A	0.2 to 0.8	Within normal moisture levels.
Active Fungi	134.86	µg/g	> 3	Fungal activity within normal levels.
Total Fungi	2303.88	µg/g	> 300	Good fungal biomass.
Hyphal Diameter	3.50	µm	> 2.5	Disease suppressive fungi likely present.
Active Bacteria	154.04	µg/g	> 3	Bacterial activity within normal levels.
Total Bacteria	1530.52	µg/g	> 300	Good bacterial biomass.
Actinobacteria	0.00	µg/g	< 20	
Organism Biomass Ratios				
TF:TB	1.51		0.01 to 10	Balanced fungal and bacterial biomass.
AF:TF	0.06		< 0.1	Good fungal activity.
AB:TB	0.10		< 0.1	Good bacterial activity.
AF:AB	0.88		0.01 to 10	Fungal dominated, becoming more bacterial.
Protozoa (Protists)				
Flagellates	117600.00	#/g	> 10000	Lacking species diversity.
Amoebae	1468.09	#/g	> 10000	
Ciliates	35.74	#/g	< 1191	
Nitrogen Cycling Potential	200+	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period.
Nematodes				
Nematodes	3.86	#/g	> 10	Default Comment Override
Bacterial	3.86	#/g		
Fungal	0.00	#/g		
Fungal/Root	0.00	#/g		
Predatory	0.00	#/g		
Root	0.00	#/g		
Miscellaneous Testing				
E.coli	2.55	CFU/g	< 800	For most areas, the maximum E.coli CFU/g is 800 - 1000. Please check your local regulations for more information.
pH	Not Ordered			
Electrical Conductivity	Not Ordered	µs/cm	< 3500	
Organic Matter	Not Ordered			

Notes

Excellent levels of bacteria and fungi. Very high protozoan populations are leading to very good cycling of nutrients.

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Nematode Group and Genus	Result in #/g	Level	Notes
Total Nematodes	3.86	> 10	Default Comment Override
Bacterial Feeders	3.86		
Butlerius	0.59		
Cephalobus	0.15		
Panagrolaimus	0.74		
Prismatolaimus	1.33		
Rhabditidae	1.04		
Fungal Feeders	0.00		
Fungal/Root Feeders	0.00		
Predatory	0.00		
Root Feeders	0.00		