

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: 02/20/2026
Sample # 03-14424
Unique ID: Manchester
Plant: N/A
Season: N/A
Invoice Number: 5634
Sample Received: 01/30/2026

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	0.51	N/A	0.2 to 0.8	Within normal moisture levels.
Active Fungi	27.17	µg/g	> 3	Fungal activity within normal levels.
Total Fungi	516.49	µg/g	> 300	Good fungal biomass.
Hyphal Diameter	3.25	µm	> 2.5	Disease suppressive fungi likely present.
Active Bacteria	36.14	µg/g	> 3	Bacterial activity within normal levels.
Total Bacteria	1540.00	µg/g	> 300	Good bacterial biomass.
Actinobacteria	0.00	µg/g	< 20	
Organism Biomass Ratios				
TF:TB	0.34		0.01 to 10	Balanced fungal and bacterial biomass.
AF:TF	0.05		< 0.1	Good fungal activity.
AB:TB	0.02		< 0.1	Good bacterial activity.
AF:AB	0.75		0.01 to 10	Bacterial dominated, becoming more bacterial.
Protozoa (Protists)				
Flagellates	89701.32	#/g	> 10000	Should provide a good inoculum of protozoa.
Amoebae	53996.07	#/g	> 10000	
Ciliates	11.68	#/g	< 1437	
Nitrogen Cycling Potential	200+	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period.
Nematodes				
Nematodes	0.37	#/g	> 10	Default Comment Override
Bacterial	0.37	#/g		
Fungal	0.00	#/g		
Fungal/Root	0.00	#/g		
Predatory	0.00	#/g		
Root	0.00	#/g		
Miscellaneous Testing				
E.coli	Not Ordered	CFU/g	< 800	
pH	Processing			
Electrical Conductivity	Processing	µs/cm	< 3500	
Organic Matter	Processing			
Notes				

Good fungal biomass and excellent levels of bacteria.
The protozoan populations are excellent and leading to excellent cycling of nutrients.

Nematode Detail



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Nematode Group and Genus	Result in #/g	Level	Notes
Total Nematodes	0.37	> 10	Default Comment Override
Bacterial Feeders	0.37		
Butlerius	0.23		
Cylindrolaimus	0.07		
Diplogaster	0.02		
Rhabditidae	0.05		
Fungal Feeders	0.00		
Fungal/Root Feeders	0.00		
Predatory	0.00		
Root Feeders	0.00		

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Report Sent: 02/20/2026
Sample # 03-14423
Unique ID: Groton
Plant: N/A
Season: N/A
Invoice Number: 5634
Sample Received: 01/30/2026

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Assay Name	Result	Units	Range	Commentary
Organism Biomass Data				
Dry Weights	0.47	N/A	0.2 to 0.8	Within normal moisture levels.
Active Fungi	33.50	µg/g	> 3	Fungal activity within normal levels.
Total Fungi	725.29	µg/g	> 300	Good fungal biomass.
Hyphal Diameter	3.25	µm	> 2.5	Disease suppressive fungi likely present.
Active Bacteria	47.93	µg/g	> 3	Bacterial activity within normal levels.
Total Bacteria	1186.46	µg/g	> 300	Good bacterial biomass.
Actinobacteria	0.00	µg/g	< 20	
Organism Biomass Ratios				
TF:TB	0.61		0.01 to 10	Balanced fungal and bacterial biomass.
AF:TF	0.05		< 0.1	Good fungal activity.
AB:TB	0.04		< 0.1	Good bacterial activity.
AF:AB	0.70		0.01 to 10	Bacterial dominated, becoming more bacterial.
Protozoa (Protists)				
Flagellates	98926.90	#/g	> 10000	Should provide a good inoculum of protozoa.
Amoebae	12358.34	#/g	> 10000	
Ciliates	60.14	#/g	< 1113	
Nitrogen Cycling Potential	200+	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period.
Nematodes				
Nematodes	0.95	#/g	> 10	Default Comment Override
Bacterial	0.85	#/g		
Fungal	0.03	#/g		
Fungal/Root	0.07	#/g		
Predatory	0.00	#/g		
Root	0.00	#/g		
Miscellaneous Testing				
E.coli	Not Ordered	CFU/g	< 800	
pH	Processing			
Electrical Conductivity	Processing	µs/cm	< 3500	
Organic Matter	Processing			
Notes				

Very good fungal biomass and excellent levels of bacteria.
The protozoan populations are excellent and leading to excellent cycling of nutrients.

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Nematode Group and Genus	Result in #/g	Level	Notes
Total Nematodes	0.95	> 10	Default Comment Override
Bacterial Feeders	0.85		
Butlerius	0.10		
Cephalobus	0.23		
Protorhabditis	0.20		
Rhabditidae	0.33		
Fungal Feeders	0.03		
Eudorylaimus	0.03		
Fungal/Root Feeders	0.07		
Filenchus	0.07		
Predatory	0.00		
Root Feeders	0.00		

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Report Sent: 02/20/2026
Sample # 03-14422
Unique ID: Fram
Plant: N/A
Season: N/A
Invoice Number: 5634
Sample Received: 01/30/2026

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Assay Name	Result	Units	Range	Commentary
Organism Biomass Data				
Dry Weights	0.47	N/A	0.2 to 0.8	Within normal moisture levels.
Active Fungi	64.33	µg/g	> 3	Fungal activity within normal levels.
Total Fungi	923.09	µg/g	> 300	Good fungal biomass.
Hyphal Diameter	3.25	µm	> 2.5	Disease suppressive fungi likely present.
Active Bacteria	66.81	µg/g	> 3	Bacterial activity within normal levels.
Total Bacteria	1503.96	µg/g	> 300	Good bacterial biomass.
Actinobacteria	0.00	µg/g	< 20	
Organism Biomass Ratios				
TF:TB	0.61		0.01 to 10	Balanced fungal and bacterial biomass.
AF:TF	0.07		< 0.1	Good fungal activity.
AB:TB	0.04		< 0.1	Good bacterial activity.
AF:AB	0.96		0.01 to 10	Bacterial dominated, likely to remain bacterial.
Protozoa (Protists)				
Flagellates	97986.13	#/g	> 10000	Should provide a good inoculum of protozoa.
Amoebae	58983.14	#/g	> 10000	
Ciliates	123.39	#/g	< 1570	
Nitrogen Cycling Potential	200+	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period.
Nematodes				
Nematodes	0.68	#/g	> 10	Default Comment Override
Bacterial	0.68	#/g		
Fungal	0.00	#/g		
Fungal/Root	0.00	#/g		
Predatory	0.00	#/g		
Root	0.00	#/g		
Miscellaneous Testing				
E.coli	Not Ordered	CFU/g	< 800	
pH	Processing			
Electrical Conductivity	Processing	µs/cm	< 3500	
Organic Matter	Processing			
Notes				

Excellent bacterial and fungal biomass. The Protozoan populations are excellent and leading to excellent cycling of nutrients.

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Nematode Group and Genus	Result in #/g	Level	Notes
Total Nematodes	0.68	> 10	Default Comment Override
Bacterial Feeders	0.68		
Acrobelloides	0.08		
Butlerius	0.29		
Cuticularia	0.13		
Diploscapter	0.08		
Rhabditidae	0.10		
Fungal Feeders	0.00		
Fungal/Root Feeders	0.00		
Predatory	0.00		
Root Feeders	0.00		

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Report Sent: 02/20/2026
Sample # 03-14425
Unique ID: Wareham
Plant: N/A
Season: N/A
Invoice Number: 5634
Sample Received: 01/30/2026

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Assay Name	Result	Units	Range	Commentary
Organism Biomass Data				
Dry Weights	0.33	N/A	0.2 to 0.8	Within normal moisture levels.
Active Fungi	84.12	µg/g	> 3	Fungal activity within normal levels.
Total Fungi	1647.27	µg/g	> 300	Good fungal biomass.
Hyphal Diameter	3.50	µm	> 2.5	Disease suppressive fungi likely present.
Active Bacteria	70.34	µg/g	> 3	Bacterial activity within normal levels.
Total Bacteria	2023.00	µg/g	> 300	Good bacterial biomass.
Actinobacteria	0.00	µg/g	< 20	
Organism Biomass Ratios				
TF:TB	0.81		0.01 to 10	Balanced fungal and bacterial biomass.
AF:TF	0.05		< 0.1	Good fungal activity.
AB:TB	0.03		< 0.1	Good bacterial activity.
AF:AB	1.20		0.01 to 10	Bacterial dominated, becoming more fungal.
Protozoa (Protists)				
Flagellates	14025.19	#/g	> 10000	Lacking species diversity.
Amoebae	1297.16	#/g	> 10000	
Ciliates	85.26	#/g	< 153	
Nitrogen Cycling Potential	50-75	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period.
Nematodes				
Nematodes	3.65	#/g	> 10	Default Comment Override
Bacterial	3.13	#/g		
Fungal	0.52	#/g		
Fungal/Root	0.00	#/g		
Predatory	0.00	#/g		
Root	0.00	#/g		
Miscellaneous Testing				
E.coli	Not Ordered	CFU/g	< 800	
pH	Processing			
Electrical Conductivity	Processing	µs/cm	< 3500	
Organic Matter	Processing			
Notes				

Excellent fungal and bacterial biomass.
The protozoan populations are fair and leading to moderate cycling of nutrients. The compost is on the wet side.

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Nematode Group and Genus	Result in #/g	Level	Notes
Total Nematodes	3.65	> 10	Default Comment Override
Bacterial Feeders	3.13		
Butlerius	0.73		
Diploscapter	0.10		
Prismatolaimus	1.36		
Rhabditidae	0.94		
Fungal Feeders	0.52		
Epidorylaimus	0.31		
Eudorylaimus	0.21		
Fungal/Root Feeders	0.00		
Predatory	0.00		
Root Feeders	0.00		