

Compost Detail



Report prepared for:
 Earth Care Farm
 Jayne Merner
 89A Country Drive
 Charlestown, RI 02813

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

Report Sent: 04/15/2021
 Sample #: 01-134045
 Unique ID: SC-Cookie
 Plant: N/A
 Season: N/A
 Invoice Number: 20044
 Sample Received: 04/05/2021

Earthfort, LLC
 635 SW Western Blvd
 Corvallis, OR 97333
 +1 (541) 257-2612
 info@earthfort.com
 http://earthfort.com

Assay Name	Result	Units	Range	Commentary
Organism Biomass Data				
Dry Weights	0.74	N/A	0.2 to 0.85	Within normal moisture levels.
Active Fungi	2.90	µ/g	> 3	Fungal activity low, foods may be required.
Total Fungi	1694.93	µ/g	> 300	Good fungal biomass. - Good fungal diversity. Hyphal diameter: 2.5 to 7.5 µm.
Hyphal Diameter	3.00	µm	> 2.85	Disease suppressive fungi likely present.
Active Bacteria	16.61	µ/g	> 3	Bacterial activity within normal levels.
Total Bacteria	6898.78	µ/g	> 300	Good bacterial biomass.
Actinobacteria	3.87	µ/g	< 40	
Organism Biomass Ratios				
TF:TB	0.25		0.1 to 10	Balanced fungal and bacterial biomass.
AF:TF	0.00		< 0.1	Good fungal activity.
AB:TB	0.00		< 0.1	Good bacterial activity.
AF:AB	0.17		0.1 to 10	Bacterial dominated, becoming more bacterial.
Protozoa (Protists)				
Flagellates	18761.08	#/g	> 10000	Lacking species diversity.
Amoebae	18761.08	#/g	> 100000	
Ciliates	0.00	#/g	< 375	
Nitrogen Cycling Potential	100-150	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period.
Nematodes				
Nematodes	7.39	#/g	> 10	Low numbers and diversity.
Bacterial	7.13	#/g		
Fungal	0.00	#/g		
Fungal/Root	0.00	#/g		
Predatory	0.25	#/g		
Root	0.00	#/g		
Miscellaneous Testing				
E.coli	Not Ordered	CFU/g	< 800	
pH	Not Ordered			
Electrical Conductivity	Not Ordered	µs/cm	< 1000	
Notes				

Nematode Detail



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Nematode Genus	Result	Units	Group	Common Name
Bacterial Feeders				
Rhabditidae	7.13	number/g	Bacterial Feeders	Family
Fungal Feeders				
Fungal/Root Feeders				
Predatory				
Mononchoides	0.25	number/g	Predatory	
Root Feeders				

Compost Graphs



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Assay	Range	Result
Organism Biomass Data		
Dry Weight	0.2-0.85	0.74
Active Fungi	> 3	2.90
Total Fungi	> 300	1694.93
Active Bacteria	> 3	16.61
Total Bacteria	> 300	6898.78
Organism Biomass Ratios		
TF:TB	0.1-10	0.25
AF:TF	< 0	0.00
AB:TB	< 0	0.00
AF:AB	0.1-10	0.17
Protozoa (Protists)		
Flagellates	> 10000	18761.08
Amoebae	> 100000	18761.08
Ciliates	< 375	0.00
Nematodes		
Nematodes	> 10	7.39

Bio Available Nutrients



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Test	Results (ppm or %)	Optimum Range	Rating
pH	6.9	6.0-7.5	Optimum
Calcium (Ca)	1560	219-331	High
% Organic Matter	10.7%	5+%	Optimum
Soluble Salts	6.4	177-426	Low
Nitrates (NO3)	560	10-20	High
Ammonium (NH4)	178.85	5-15	High
Phosphate (HPO4)	78.1	2-5	High
Potassium (K)	78.1	5-25	High
Magnesium (Mg)	148	49-74	High
Iron (Fe)	0.87	0.5-5.0	Optimum
Manganese (Mn)	3.10	0.5-5.0	Optimum
Boron (B)	1.43	0.06-0.5	High
Copper (Cu)	0.09	0.06-0.5	Optimum
Zinc (Zn)	0.06	0.3-3.0	Low
Sulfates (SO4)	91	4-15	High
Chlorides (Cl)	2370	0-30	High