

Compost Detail

Report prepared for:
Urban Worm Company
Steve Churchill
703 Gawain Rd
Plymouth Meeting, PA 19462 USA

Report Sent: 01 Feb 2021
Sample #: 01-133719
Unique ID: UrbanWormJAN
Invoice Number: 19779
Sample Received: 22 Jan 2021



Earthfort, LLC
635 SW Western Blvd
Corvallis, OR 97333
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For interpretation of this report please contact your local Soil Steward or the lab.

Assay Name	Result	Units	Desired Level	Commentary
Organism Biomass Data				
Dry Weight	0.33	N/A	0.20 to 0.85	Within normal moisture levels.
Active Fungi	0	µg/g	> 3	No fungal activity observed, foods may be required. -
Total Fungi	1,400	µg/g	> 300	Good fungal biomass. - Good fungal diversity. Hyphal diameter: 2.5 to 5.5 µm.
Hyphal Diameter	3.00	µm		Disease suppressive fungi likely present. -
Active Bacteria	55	µg/g	> 3	Bacterial activity within normal levels.
Total Bacteria	4,700	µg/g	> 300	Good bacterial biomass. -
Actinobacteria	5.79	µg/g	< 40.00	
Organism Biomass Ratios				
TF:TB	0.30		0.10 to 10.00	Balanced fungal and bacterial biomass.
AF:TF	0.00		< 0.10	No fungal activity observed, foods may be required.
AB:TB	0.01		< 0.10	Good bacterial activity.
AF:AB	0.00		0.10 to 10.00	Bacterial dominated, becoming more bacterial.
Protozoa (Protists)				
Flagellates	14,042	number/g	> 10000	High ciliate numbers indicate possible anaerobic conditions.
Amoebae	14,042	number/g	> 100000	
Ciliates	14,042	number/g	< 281	
Nitrogen Cycling Potential	75-100	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period
Nematodes				
Nematodes	116.56	number/g	> 10.00	Excellent numbers, some diversity.
Bacterial	100.66	number/g		
Fungal	0.00	number/g		
Fungal/Root	11.92	number/g		
Predatory	3.97	number/g		
Root	0.00	number/g		
Miscellaneous Testing				
E.coli	0.00	CFU/g	< 800.00	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	< 1000.00	

Compost Notes:

Nematode Detail

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**# per gram
Classified by type and identified to genus.
If section is blank, no nematodes identified.**

Nematode Genus	number/g	Units	Group	Common Name
Butlerius	29.14	number/g	Bacterial Feeders	
Cuticularia	17.22	number/g	Bacterial Feeders	
Panagrolaimus	10.60	number/g	Bacterial Feeders	
Rhabditidae	43.71	number/g	Bacterial Feeders	
Ditylenchus	9.27	number/g	Fungal/Root Feeders	Stem & Bulb nematode
Filenchus	2.65	number/g	Fungal/Root Feeders	
Seinura	3.97	number/g	Predatory	

Compost Biology Report

Report prepared for:
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 703 Gawain Rd
 Plymouth Meeting, PA 19462 USA

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Assay	Below Range	Desired Range	Above Range	Range	Result
Dry Weight				0.2 - 0.85	0.33
Active Fungi				> 3 µg/g	0.00 µg/g
Total Fungi				> 300 µg/g	1,400.28 µg/g
Active Bacteria				> 3 µg/g	55.85 µg/g
Total Bacteria				> 300 µg/g	4,700.50 µg/g
TF:TB				0.1 - 10	0.30
AF:TF				< 0.1	0.00
AB:TB				< 0.1	0.01
AF:AB				0.1 - 10	0.00
Flagellates				> 10000 /g	14,042.96 /g
Amoebae				> 100000 /g	14,042.96 /g
Ciliates				< 281 /g	14,042.96 /g
Nematodes				> 10 /g	116.56 /g