

Compost Detail

Report prepared for:
Anchorage Farm
Stephen Shafer
8 Mynderse St
Saugerties, NY 12477 USA

Report Sent: 15 May 2020
Sample #: 01-132195
Unique ID: jsbeam
Invoice Number: 18894
Sample Received: 06 May 2020



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

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	0.26	N/A	0.20 to 0.85	Within normal moisture levels.
Active Fungi	20.64	µg/g	> 3.00	Fungal activity within normal levels. -
Total Fungi	7,966.02	µg/g	> 300.00	Good fungal biomass. - Very good fungal diversity. Hyphal diameter: 1.5 to 7.5 µm.
Hyphal Diameter	3.00	µm		Disease suppressive fungi likely present. -
Active Bacteria	507.08	µg/g	> 3.00	Bacterial activity within normal levels.
Total Bacteria	2,265.58	µg/g	> 300.00	Good bacterial biomass. -
Actinobacteria	49.59	µg/g	< 40.00	
Organism Biomass Ratios				
TF:TB	3.52		0.10 to 10.00	Balanced fungal and bacterial biomass.
AF:TF	0.00		< 0.10	Good fungal activity.
AB:TB	0.22		< 0.10	In thermal compost ≥ 0.10 could indicate unfinished compost. In worm compost this not an issue.
AF:AB	0.04		0.10 to 10.00	Fungal dominated, becoming more bacterial.
Protozoa (Protists)				
Flagellates	54,091.86	number/g	> 10,000.00	Should provide a good inoculum of protozoa.
Amoebae	2,244,989.58	number/g	> 100,000.00	
Ciliates	542.36	number/g	< 22991.00	
Nitrogen Cycling Potential	300+	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period
Nematodes				
Nematodes	10.34	number/g	> 10.00	Good numbers and diversity
Bacterial	7.35	number/g		
Fungal	0.27	number/g		
Fungal/Root	1.36	number/g		
Predatory	1.36	number/g		
Root	0.00	number/g		
Miscellaneous Testing				
E.coli	Not Ordered	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	1.63	number/g	Bacterial Feeders	
Cuticularia	1.63	number/g	Bacterial Feeders	
Eucephalobus	0.54	number/g	Bacterial Feeders	
Eumonhystera	1.36	number/g	Bacterial Feeders	
Monhystrella	0.27	number/g	Bacterial Feeders	
Rhabditidae	1.90	number/g	Bacterial Feeders	
Mesodorylaimus	0.27	number/g	Fungal Feeders	
Filenchus	0.54	number/g	Fungal/Root Feeders	
Malenchus	0.82	number/g	Fungal/Root Feeders	
Mononchoides	1.36	number/g	Predatory	

Compost Biology Report

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Assay	Below Range	Desired Range	Above Range	Range	Result
Dry Weight				0.2 - 0.85	0.26
Active Fungi				> 3 µg/g	20.64 µg/g
Total Fungi				> 300 µg/g	7,966.02 µg/g
Active Bacteria				> 3 µg/g	507.08 µg/g
Total Bacteria				> 300 µg/g	2,265.58 µg/g
TF:TB				0.1 - 10	3.52
AF:TF				< 0.1	0.00
AB:TB					< 0.1 0.22
AF:AB				0.1 - 10	0.04
Flagellates				> 10000 /g	54,091.86 /g
Amoebae				> 100000 /g	2,244,989.58 /g
Ciliates				< 22991 /g	542.36 /g
Nematodes				> 10 /g	10.34 /g