

Compost Detail

Report prepared for:
Whiskey Hill Soils
John Skinner
PO Box 714
null
Freedom, CA 95019 USA

Report Sent: 02 Apr 2019
Sample #: 01-129366
Unique ID: Castings
Invoice Number: 16964
Sample Recieved: 22 Mar 2019



Earthfort, LLC
635 SW Western Blvd
Corvallis, OR 97333
+1 (541) 257-2612
info@earthfort.com
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	0.73	N/A	0.20 to 0.80	Within normal moisture levels.
Active Fungi	4.41	µg/g	> 3.00	Fungal activity within normal levels. -
Total Fungi	275.81	µg/g	> 300.00	Low fungal biomass, inoculum and foods may be required. - Good fungal diversity. Hyphal diameter: 1.5 to 6.5µm.
Hyphal Diameter	3.00	µm	> 2.50	Disease suppressive fungi likely present. -
Active Bacteria	82.29	µg/g	> 3.00	Bacterial activity within normal levels.
Total Bacteria	441.12	µg/g	> 300.00	Good bacterial biomass. -
Actinobacteria	20.41	µg/g		
Organism Biomass Ratios				
TF:TB	0.63		0.01 to 10.00	Balanced fungal and bacterial biomass.
AF:TF	0.02		< 0.10	Good fungal activity.
AB:TB	0.19		< 0.10	In thermal compost >= 0.10 could indicate unfinished compost. In worm compost this not an issue.
AF:AB	0.05		0.01 to 10.00	Bacterial dominated, becoming more bacterial.
Protozoa (Protists)				
Flagellates	48,747.55	number/g	> 10,000.00	Should provide a good inoculum of protozoa.
Amoebae	1,135,804.23	number/g	> 10,000.00	
Ciliates	3,786.47	number/g	< 11846.00	
Nitrogen Cycling Potential	300+	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period
Nematodes				
Nematodes	21.41	number/g	> 10.00	Good numbers, but lacking diversity.
Bacterial	18.92	number/g		
Fungal	0.00	number/g		
Fungal/Root	2.49	number/g		
Predatory	0.00	number/g		
Root	0.00	number/g		
Miscellaneous Testing				
E.coli	136.55	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
Cephalobus	1.99	number/g	Bacterial Feeders	
Panagrolaimus	0.50	number/g	Bacterial Feeders	
Rhabditidae	16.43	number/g	Bacterial Feeders	
Ditylenchus	1.99	number/g	Fungal/Root Feeders	Stem & Bulb nematode
Filenchus	0.50	number/g	Fungal/Root Feeders	

Compost Biology Report

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Assay	Below Range	Desired Range	Above Range	Range	Result
Dry Weight				0.2 - 0.8	0.73
Active Fungi				> 3 µg/g	4.41 µg/g
Total Fungi				> 300 µg/g	275.81 µg/g
Active Bacteria				> 3 µg/g	82.29 µg/g
Total Bacteria				> 300 µg/g	441.12 µg/g
TF:TB				0.01 - 10	0.63
AF:TF				< 0.1	0.02
AB:TB					< 0.1 0.19
AF:AB				0.01 - 10	0.05
Flagellates				> 10000 /g	48,747.55 /g
Amoebae				> 10000 /g	1,135,804.23 /g
Ciliates				< 11846 /g	3,786.47 /g
Nematodes				> 10 /g	21.41 /g