

Compost Detail

Report prepared for:
 Sym Soil
 Katharine Hinson
 1961 Main St
 Watsonville, CA 95076 USA

Report Sent: 17 Sep 2018
 Sample #: 01-128375
 Unique ID: Batch One
 Invoice Number: 16688
 Sample Recieved: 04 Sep 2018



Earthfort, LLC
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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	0.68	N/A	0.20 to 0.80	Within normal moisture levels.
Active Fungi	17.81	µg/g	> 3.00	Fungal activity within normal levels. -
Total Fungi	525.68	µg/g	> 300.00	Good fungal biomass. - Good fungal diversity. Hyphal Diameter: 1.5 to 7µm.
Hyphal Diameter	2.85	µm	> 2.50	Good balance of fungi. -
Active Bacteria	80.31	µg/g	> 3.00	Bacterial activity within normal levels.
Total Bacteria	531.30	µg/g	> 300.00	Good bacterial biomass. -
Actinobacteria	21.91	µg/g		
Organism Biomass Ratios				
TF:TB	0.99		0.01 to 10.00	Balanced fungal and bacterial biomass.
AF:TF	0.03		< 0.10	Good fungal activity.
AB:TB	0.15		< 0.10	In thermal compost >= 0.10 could indicate unfinished compost. In worm compost this not an issue.
AF:AB	0.22		0.01 to 10.00	Balanced fungal and bacterial biomass, becoming bacterial.
Protozoa (Protists)				
Flagellates	6,789.08	number/g	> 10,000.00	Lacking species diversity.
Amoebae	84,806.03	number/g	> 10,000.00	
Ciliates	678.02	number/g	< 916.00	
Nitrogen Cycling Potential	100-150	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period
Nematodes				
Nematodes	8.05	number/g	> 10.00	Low numbers and diversity.
Bacterial	2.97	number/g		
Fungal	0.00	number/g		
Fungal/Root	5.07	number/g		
Predatory	0.00	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:

Compost Biology Report

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Assay	Below Range	Desired Range	Above Range	Range	Result
Dry Weight				0.2 - 0.8	0.68
Active Fungi				> 3 µg/g	17.81 µg/g
Total Fungi				> 300 µg/g	525.68 µg/g
Active Bacteria				> 3 µg/g	80.31 µg/g
Total Bacteria				> 300 µg/g	531.30 µg/g
TF:TB				0.01 - 10	0.99
AF:TF				< 0.1	0.03
AB:TB					< 0.1 0.15
AF:AB				0.01 - 10	0.22
Flagellates				> 10000 /g	6,789.08 /g
Amoebae				> 10000 /g	84,806.03 /g
Ciliates				< 916 /g	678.02 /g
Nematodes				> 10 /g	8.05 /g