

Compost Detail

Report prepared for:
New Mexico State University
Amy Larsen
PO Box 159
Alcalde, NM 87511 USA

Report Sent:
Sample #: 01-133056
Unique ID: B7/B8
Invoice Number: 19441
Sample Received: 22 Sep 2020



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	0.38	N/A	0.20 to 0.85	Within normal moisture levels.
Active Fungi	2	µg/g	> 3	Fungal activity low, foods may be required. -
Total Fungi	3,539	µg/g	> 300	Good fungal biomass. - Good fungal diversity. Hyphal diameter: 1.5 to 6.5 µm.
Hyphal Diameter	3.00	µm		Disease suppressive fungi likely present. -
Active Bacteria	57	µg/g	> 3	Bacterial activity within normal levels.
Total Bacteria	671	µg/g	> 300	Good bacterial biomass. -
Actinobacteria	56.55	µg/g	< 40.00	
Organism Biomass Ratios				
TF:TB	5.27		0.10 to 10.00	Balanced fungal and bacterial biomass.
AF:TF	0.00		< 0.10	Good fungal activity.
AB:TB	0.09		< 0.10	Good bacterial activity.
AF:AB	0.05		0.10 to 10.00	Fungal dominated, becoming more bacterial.
Protozoa (Protists)				
Flagellates	36,817	number/g	> 10000	Should provide a good inoculum of protozoa.
Amoebae	736,343	number/g	> 100000	
Ciliates	1,527	number/g	< 7732	
Nitrogen Cycling Potential	300+	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period
Nematodes				
Nematodes	Not Ordered	number/g	> 10.00	
Bacterial	Not Ordered	number/g		
Fungal	Not Ordered	number/g		
Fungal/Root	Not Ordered	number/g		
Predatory	Not Ordered	number/g		
Root	Not Ordered	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 - 0.85	0.38
Active Fungi				> 3 µg/g	2.64 µg/g
Total Fungi				> 300 µg/g	3,539.53 µg/g
Active Bacteria				> 3 µg/g	57.49 µg/g
Total Bacteria				> 300 µg/g	671.72 µg/g
TF:TB				0.1 - 10	5.27
AF:TF				< 0.1	0.00
AB:TB				< 0.1	0.09
AF:AB				0.1 - 10	0.05
Flagellates				> 10000 /g	36,817.32 /g
Amoebae				> 100000 /g	736,343.65 /g
Ciliates				< 7732 /g	1,527.08 /g