

# Compost Detail

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

Report Sent: 30 Sep 2020  
Sample #: 01-133055  
Unique ID: B5/B6  
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
<b>Organism Biomass Data</b>				
Dry Weight	0.33	N/A	0.20 to 0.85	Within normal moisture levels.
Active Fungi	15	µg/g	> 3	Fungal activity within normal levels. -
Total Fungi	2,710	µg/g	> 300	Good fungal biomass. - Good fungal diversity. Hyphal diameter: 1.5 to 6.5 µm.
Hyphal Diameter	2.90	µm		Good balance of fungi. -
Active Bacteria	84	µg/g	> 3	Bacterial activity within normal levels.
Total Bacteria	880	µg/g	> 300	Good bacterial biomass. -
Actinobacteria	<b>78.14</b>	µg/g	< 40.00	
<b>Organism Biomass Ratios</b>				
TF:TB	3.08		0.10 to 10.00	Balanced fungal and bacterial biomass.
AF:TF	0.01		< 0.10	Good fungal activity.
AB:TB	0.10		< 0.10	Good bacterial activity.
AF:AB	0.18		0.10 to 10.00	Fungal dominated, becoming more bacterial.
<b>Protozoa (Protists)</b>				
Flagellates	17,604	number/g	> 10000	Should provide a good inoculum of protozoa.
Amoebae	176,030	number/g	> 100000	
Ciliates	1,759	number/g	< 1936	
Nitrogen Cycling Potential	200+	lbs/acre		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period
<b>Nematodes</b>				
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		
<b>Miscellaneous Testing</b>				
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	0.33
Active Fungi				> 3 µg/g	15.20 µg/g
Total Fungi				> 300 µg/g	2,710.43 µg/g
Active Bacteria				> 3 µg/g	84.82 µg/g
Total Bacteria				> 300 µg/g	880.60 µg/g
TF:TB				0.1 - 10	3.08
AF:TF				< 0.1	0.01
AB:TB				> 0	0.10
AF:AB				0.1 - 10	0.18
Flagellates				> 10000 /g	17,604.27 /g
Amoebae				> 100000 /g	176,030.42 /g
Ciliates				< 1936 /g	1,759.20 /g