



Biological Analysis Soil Amendment

Report prepared for:

Texas Worm Ranch
Heather Rinaldi
2636 National Circle
, TX 75238 USA

Report Sent: 1/21/2016
Sample#: 01-122313 | Submission:01-025104
Unique ID: TexasWormRanch
Plant:

Invoice Number: 13139
Sample Received: 1/13/2016

txwormranch@gmail.com

For interpretation of this report please contact:
Earthfort Labs
info@earthfort.com
(541) 257-2612

Consulting fees may apply

Organism Biomass Data	Dry Weight	Active Bacteria (µg/g)	Total Bacteria (µg/g)	Active Fungi (µg/g)	Total Fungi (µg/g)	Hyphal Diameter (µm)	Nematode detail (# per gram or # per mL) Classified by type and identified to genus. (If section is blank, no nematodes identified.)			
Results	0.440	175	1955	16.0	3733	2.9	Bacterial Feeders	29.60		
Comments	In Good Range	Above range	In range	In range	Above range		Achromadora		0.64	
Expected Range	Low	3	300	3	300		Butlerius		10.29	
	High	0.8	3000	30	3000		Cephalobus		0.64	
								Diplogasteritus		1.29
								Geomonhystera		0.64
								Plectus		1.29
								Rhabditidae		14.80
								Fungal/Root Feeders	12.22	
Results	130763	6301340	13077	43.8	Not Ordered	Not Ordered	Ditylenchus	Stem & Bulb nematode	1.93	
Comments	High	High	High	Good			Filenchus		10.29	
Expected Range	Low	10000	10000	0			Predatory	1.93		
	High	100000	100000	2000	100		Mononchoides		1.93	
Organism Biomass Ratios	Total Fungi to Tot.Bacteria	Active to Total Fungi	Active to Total Bacteria	Active Fungi to Act.Bacteria	Nitrogen Cycling Potential (lbs/ac)					
Results	1.91	0.004	0.09	0.09	300+					
Comments	Good	Low	Good	Good						
Expected Range	Low	0.01	0.01	0.01						
	High	10	0.1	0.1						

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Dry Weight: Within normal moisture levels.

Active Bacteria: Bacterial activity above expected level.

Total Bacteria: Good bacterial biomass.

Active Fungi: Fungal activity within normal levels.

Total Fungi: Excellent fungal biomass.

Hyphal Diameter: Good balance of fungi.

Protozoa: Should provide a good inoculum of protozoa. High ciliate numbers suggest recent anaerobic conditions.

Total Nematodes: Good numbers and diversity.

Mycorrhizal Col.:

TF/TB: Fungal dominated.

AF/TF: Low fungal activity relative to total biomass

AB/TB: Good bacterial activity.

AF/AB: Fungal dominated, becoming more bacterial.

Interpretation Comments:

Actinobacteria Biomass = 150 ug/g
Good fungal diversity, hyphal diameter: 1.5 to 6.0um