



Biological Analysis Soil

Report prepared for:

Rebar Group Inc.
Jake Voit
3330 20th Street
San Francisco, CA 94110 US

Report Sent: 11/21/2013
Sample#: 01-117881 | Submission:01-023532
Unique ID: Frogtown Farm
Plant: Not Indicated

Invoice Number: 10627
Sample Received: 11/12/2013

jvoit@arteka.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	0.960	41.2	843	4.66	410	2.85	Bacterial Feeders	2.51	
Comments	Above Range	Below range	Above range	Below range	In range		Acrobeles		0.42
Expected Range	Low	45	300	45	300		Cephalobus		0.94
	High	0.85	90	600	600		Chiloplacus		0.21
							Geomonhystera		0.31
							Plectus		0.63
							Fungal/Root Feeders	1.57	
							Aphelenchoides	Foliar nematode	0.63
							Aphelenchus		0.10
							Ditylenchus	Stem & Bulb nematode	0.63
							Filenchus		0.10
							Merlinius		0.10
							Predatory	0.10	
							Clarkus		0.10
							Root Feeders	0.42	
							Helicotylenchus	Spiral nematode	0.42
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	0.49	0.01	0.05	0.11	200+				
Comments	Low	Low	Low	Low					
Expected Range	Low	0.15	0.15	1					
	High	2	0.2	2					

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Dry Weight: Add organic matter to build soil structure, increase water holding capacity.

Active Bacteria: Bacterial activity low, foods may be required.

Total Bacteria: Excellent bacterial biomass.

Active Fungi: Fungal activity low, foods may be required.

Total Fungi: Good fungal biomass.

Hyphal Diameter: Good balance of fungi.

Protozoa: Nutrients are being cycled and made available to plants in good rates.

Total Nematodes: Low numbers, OK diversity, root feeders present.

Mycorrhizal Col.:

TF/TB: Too bacterial for some plants

AF/TF: Low fungal activity, foods may be required.

AB/TB: Low bacterial activity, foods may be required.

AF/AB: Bacterial dominated, becoming more bacterial.

Interpretation Comments:

Actinobacteria Biomass = 11.9 ug/g
Good fungal diversity, Hyphal diameter: 1.5 to 6um