

Soil Biology Report Performed By:

Lab name: Biota Regen
 6977 S High Willow Ln
 Idaho Falls, ID, 83406
 Email: biotaregen@gmail.com
 Phone: 208-881-2768
 Website: biotaregen.com



Client:

Name:
 Organization: Winn's Compost
 120 Ohio Gulch Rd
 Hailey ID 83333
 Email:
 Date Observed: 05-16-2023

Sample Name: Landscape Compost/Topsoil Mix

Sample Type: Compost

Plants Present/Desired:

Plant Succession: Mid-Successional

Beneficial Microorganisms

	Recommended Range		Sample Results	
Fungi (ug/g)	101	1,012	200	Good: The fungal biomass is within the recommended range for your plant's stage in succession.
Standard Deviation			357	Few target organism were present and variability was very high. Precision is very low.
Bacteria (ug/g)	135	1,350	13,806	The bacterial biomass is significantly greater than the maximum recommended level. Please contact your Soil Biology Consultant.
Standard Deviation			1,027	Distribution of the target organisms in the sample was uniform; variation was small.
Actinobacteria (ug/g)	1	10	3.34	Good: The actinobacterial biomass is within the recommended range for your plant's succession.
Standard Deviation			7.47	Few target organism were present and variability was very high. Precision is very low.
F:B Ratio	0.6:1	0.9:1	0.01	The F:B ratio is low. Increase fungal biomass or reduce bacterial biomass, and check predators to assess balance. Please contact your Soil Biology Consultant.

Minimum Value

Protozoa (Total)	> 50,000	0	None detected: Please contact your Soil Biology Consultant.
Standard Deviation		0	Distribution of the target organisms in the sample was uniform; variation was small.
Flagellate (#/g)	(See Total)	0	
Standard Deviation		0	
Amoebae (#/g)	(See Total)	0	
Standard Deviation		0	

Nematodes

Bacterial-feeding (#/g)	200	0	None detected: Bacterial-feeding nematodes help keep bacterial populations in balance and enhance nutrient cycling.
Fungal-feeding (#/g)	100	0	None detected: Fungal-feeding nematodes help to release nutrients from fungal hyphae to the plants.
Predatory (#/g)	0	0	None detected: Predatory nematodes help reduce root-feeding nematode numbers.

Detrimental Microorganisms

Disease-Causing Fungi	Maximum Value	Sample Results	
Oomycetes (ug/g)	0	0	None detected: No disease-causing fungi were observed in the sample. Great!
Standard Deviation		0	Distribution of the target organisms in the sample was uniform; variation was small.

Anaerobic Protozoa

Ciliate (#/g)	0	0	None detected: No ciliates were observed in the sample. Aerobic conditions prevail. Great!
Standard Deviation		0	Distribution of the target organisms in the sample was uniform; variation was small.

Nematode

Root-feeding (#/g)	0	0	None detected: No root-feeding nematodes were observed. Great!
--------------------	---	---	--

Additional Comments: Great fungi with a good diversity of different types. However, no visible beneficial protozoa visible in the analysis.