

Soil Biology Report Performed By:

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Client:

Name: Winn's Compost
 Organization: Dig In Consulting
 120 Ohio Gulch Rd
 Hailey ID 83333
 Email:
 Date Observed: 06-20-2023

Sample Name: Landscape Compost

Sample Type: Compost

Plants Present/Desired:

Plant Succession: Vegetables, Early Successional Grasses

Beneficial Microorganisms

	Recommended Range		Sample Results	
Fungi (ug/g)	68	225	5	Low: The fungal biomass is below the recommended minimum level for your plant's stage in succession. Please contact your Soil Biology Consultant.
Standard Deviation			12	Few target organism were present and variability was very high. Precision is very low.
Bacteria (ug/g)	135	450	11,757	The bacterial biomass is significantly greater than the maximum recommended level. Please contact your Soil Biology Consultant.
Standard Deviation			1,419	Distribution of the target organisms in the sample was uniform; variation was small.
Actinobacteria (ug/g)	10	16	4.6	Low: The actinobacterial biomass is below the expected range. This is not a problem.
Standard Deviation			3.61	Few target organism were present and variability was very high. Precision is very low.
F:B Ratio	0.4:1	0.6:1	0.0	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)	> 10,000	370,272	Good: The number of beneficial protozoa is above the minimum requirement.
Standard Deviation		402,313	Few target organism were present and variability was very high. Precision is very low.
Flagellate (#/g)	(See Total)	370,272	
Standard Deviation		402,313	
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)	0	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!
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Additional Comments: Fungi present, but quite rare. Good predator counts. No amoeba in the counted field of views, but while scanning the slide, a few testate amoeba are present.