Soil Biology Report Performed By:

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Client:

Name:

Organization: Winn's Compost

120 Ohio Gulch Rd

Hailey ID 83333

Email:

Date Observed: 05-16-2023

Sample Name: Garden Best

Sample Type: Compost

Plants Present/Desired:

Plant Succession: Vegetables, Early Successional Grasses

Beneficial Microorganisms

	Recommended Range		Sample Results	
Fungi (ug/g)	68	225	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.
Bacteria (ug/g)	135	450	2,111	The bacterial biomass is significantly greater than the maximum recommended level. Please contact your Soil Biology Consultant.
Standard Deviation			301	Distribution of the target organisms in the sample was uniform; variation was small.
Actinobacteria (ug/g)	10	16	3.59	Low: The actinobacterial biomass is below the expected range. This is not a problem.
Standard Deviation			2.8	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		176,320	Good: The number of beneficial protozoa is above the minimum requirement.
Standard Deviation			287,366	Few target organism were present and variability was very high. Precision is very low.
Flagellate (#/g)	*(See Total)*		88,160	
Standard Deviation			120,718	
Amoebae (#/g)	*(See Total)*		88,160	
Standard Deviation			197,132	

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!

Additional Comments: No fungi visible in analysis. Quite a few amoebae cysts, however those are not counted because there is no way to tell if or when they will hatch.