Soil Biology Report Performed By:

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Client:

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

Sample Name: Landscape 50/50 Mix
Sample Type: Compost
Plants Present/Desired:
Plant Succession: Vegetables, Early Successional Grasses

Beneficial Microorganisms

	Recommended Range		Sample Results	
Fungi (ug/g)	68	225	212	Good: The fungal biomass is within the recommended range for your plant's stage in succession.
Standard Deviation			295	Few target organism were present and variability was very high. Precision is very low.
Bacteria (ug/g)	135	450	15,707	The bacterial biomass is significantly greater than the maximum recommended level. Please contact your Soil Biology Consultant.
Standard Deviation			1,496	Distribution of the target organisms in the sample was uniform; variation was small.
Actinobacteria (ug/g)	10	16	8.39	Low: The actinobacterial biomass is below the expected range. This is not a problem.
Standard Deviation			9.04	Few target organism were present and variability was very high. Precision is very low.
F:B Ratio	0.4:1	0.6:1	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)	> 10,000	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)	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 detectable predators present. Fungi was rare and sperratic. Most fungi was 2.5um diameter and clear.