Soil Biology Report Performed By:

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Client:

Name: Scott and Julie

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Date Observed: 06-15-2023

Sample Name: plot #2 "healthy"

Sample Type: Soil

Plants Present/Desired: Strawberries

Plant Succession: Shrubs, Bushes, Vines

Beneficial Microorganisms

	Recommended Range		Sample Results	
Fungi (ug/g)	270	6,750	214	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			365	Few target organism were present and variability was very high. Precision is very low.
Bacteria (ug/g)	135	1,350	1,858	The bacterial biomass is significantly greater than the maximum recommended level. Please contact your Soil Biology Consultant.
Standard Deviation			127	Distribution of the target organisms in the sample was uniform; variation was small.
Actinobacteria (ug/g)	1	4	0.85	Low: The actinobacterial biomass is below the expected range. This is not a problem.
Standard Deviation			0.6	Few target organism were present and variability was very high. Precision is very low.
F:B Ratio	2:1	5:1	0.11	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	18,514	Low: The number of beneficial protozoa is below the minimum requirement. Please contact your Soil Biology Consultant.
Standard Deviation		25,351	Few target organism were present and variability was very high. Precision is very low.
Flagellate (#/g)	*(See Total)*	0	
Standard Deviation		0	
Amoebae (#/g)	*(See Total)*	18,514	
Standard Deviation		25,351	

Nematodes			
Bacterial-feeding (#/g)	300	210	Low: Bacterial-feeding nematodes help keep bacterial populations in balance and enhance nutrient cycling.
Fungal-feeding (#/g)	200	0	None detected: Fungal-feeding nematodes help to release nutrients from fungal hyphae to the plants.
Predatory (#/g)	100	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: