Soil Biology Report Performed By:

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Client:

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Date Observed: 09-20-205

Sample Name: Dorr's

Sample Type: Soil

Plants Present/Desired: organic soybeans

Plant Succession: Productive Pastures, Row Crops

Beneficial Microorganisms

	Recommended Range		Sample Results	
Fungi (ug/g)	135	1,350	91	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			203	Few target organism were present and variability was very high. Precision is very low.
Bacteria (ug/g)	135	1,350	125	Low: The bacterial biomass is below the recommended minimum level for your plant's stage in succession. Please contact your Soil Biology Consultant.
Standard Deviation			17	Distribution of the target organisms in the sample was uniform; variation was small.
Actinobacteria (ug/g)	1	4	0.65	Low: The actinobacterial biomass is below the expected range. This is not a problem.
Standard Deviation			0.62	Few target organism were present and variability was very high. Precision is very low.
F:B Ratio	0.9:1	2:1	0.72	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	11,413	Low: The number of beneficial protozoa is below the minimum requirement. Please contact your Soil Biology Consultant.
Standard Deviation		25,520	Few target organism were present and variability was very high. Precision is very low.
Flagellate (#/g)	*(See Total)*	11,413	
Standard Deviation		25,520	
Amoebae (#/g)	*(See Total)*	0	
Standard Deviation		0	

Nematodes			
Bacterial-feeding (#/g)	300	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)	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: