

Soil Biology Report Performed By:

Lab name:
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Client:

Name: Bailey Scott
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 Date Observed: 05-08-2025

Sample Name: s. of crick

Sample Type: Soil

Plants Present/Desired: corn

Plant Succession: Productive Pastures, Row Crops

Beneficial Microorganisms

	Recommended Range	Sample Results	
Fungi (ug/g)	135 1,350	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 1,350	167	Good: The bacterial biomass is within the recommended range for your plant's stage in succession.
Standard Deviation		13	Distribution of the target organisms in the sample was uniform; variation was small.
Actinobacteria (ug/g)	1 4	0	Low: The actinobacterial biomass is below the expected range. This is not a problem.
Standard Deviation		0	Distribution of the target organisms in the sample was uniform; variation was small.
F:B Ratio	0.9:1 2:1	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)	> 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	22,826	Ciliates were detected, but the sample is not necessarily anaerobic, especially if flagellates and amoebae were present in high numbers.
Standard Deviation		31,255	Few target organism were present and variability was very high. Precision is very low.

Nematode

Root-feeding (#/g)	0	0	None detected: No root-feeding nematodes were observed. Great!
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Additional Comments: