Soil Biology Report Performed By:

Lab name:

, ,

Email:

Phone:

Website:

Client:

Name: Jon test 1

Organization:

Email:

Date Observed: 07-10-2025

Sample Name: Jon test 1

Sample Type: Soil

Plants Present/Desired:

Plant Succession: Productive Pastures, Row Crops

Beneficial Microorganisms

	Recommended Range	Sample Results	
Fungi (ug/g)	135 1,350	7	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		15	Few target organism were present and variability was very high. Precision is very low.
Bacteria (ug/g)	135 1,350	1,002	Good: The bacterial biomass is within the recommended range for your plant's stage in succession.
Standard Deviation		233	Distribution of organisms was somewhat uneven, resulting in an acceptable degree of variation.
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	0.01	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)	> 50,000	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)	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: Jon test 1

Soil Biology Report Performed By:

Lab name:

, ,

Email:

Phone:

Website:

Client:

Name: Jon test 2

Organization:

Email:

Date Observed: 09-07-2025

Sample Name: Jon test 2

Sample Type: Soil

Plants Present/Desired:

Plant Succession: Productive Pastures, Row Crops

Beneficial Microorganisms

	Recommended Range	Sample Results	
Fungi (ug/g)	135 1,350	54	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		42	Few target organism were present and variability was very high. Precision is very low.
Bacteria (ug/g)	135 1,350	1,685	The bacterial biomass is significantly greater than the maximum recommended level. Please contact your Soil Biology Consultant.
Standard Deviation		203	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	0.03	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	9,600	Low: The number of beneficial protozoa is below the minimum requirement. Please contact your Soil Biology Consultant.
Standard Deviation		21,466	Few target organism were present and variability was very high. Precision is very low.
Flagellate (#/g)	*(See Total)*	9,600	
Standard Deviation		21,466	
Amoebae (#/g)	*(See Total)*	0	
Standard Deviation		0	

Nematodes			
Bacterial-feeding (#/g)	300	100	Low: 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: Jon test 2

Soil Biology Report Performed By:

Lab name:

, ,

Email:

Phone:

Website:

Client:

Name: Jon test 3

Organization:

Email:

Date Observed: 07-10-2025

Sample Name: Jon Test 3

Sample Type: Soil

Plants Present/Desired:

Plant Succession: Productive Pastures, Row Crops

Beneficial Microorganisms

	Recommended Range	Sample Results	
Fungi (ug/g)	135 1,350	38	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		52	Few target organism were present and variability was very high. Precision is very low.
Bacteria (ug/g)	135 1,350	1,598	The bacterial biomass is significantly greater than the maximum recommended level. Please contact your Soil Biology Consultant.
Standard Deviation		178	Distribution of the target organisms in the sample was uniform; variation was small.
Actinobacteria (ug/g)	1 4	0.31	Low: The actinobacterial biomass is below the expected range. This is not a problem.
Standard Deviation		0.7	Few target organism were present and variability was very high. Precision is very low.
F:B Ratio	0.9:1 2:1	0.02	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	9,600	Low: The number of beneficial protozoa is below the minimum requirement. Please contact your Soil Biology Consultant.
Standard Deviation		21,466	Few target organism were present and variability was very high. Precision is very low.
Flagellate (#/g)	*(See Total)*	9,600	
Standard Deviation		21,466	
Amoebae (#/g)	*(See Total)*	0	
Standard Deviation		0	

Nematodes			
Bacterial-feeding (#/g)	300	100	Low: 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	192	Ciliates were detected, but the sample is not necessarily anaerobic, especially if flagellates and amoebae were present in high numbers.
Standard Deviation		429	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!

Additional Comments: Jon test 3

Soil Biology Report Performed By:

[redacted]

Client:

Name: Jon test 4

Organization:

Email:

Date Observed: 07-10-2025

Sample Name: Jon test 4

Sample Type: Soil

Plants Present/Desired:

Plant Succession: Productive Pastures, Row Crops

Beneficial Microorganisms

	Recommended Range	Sample Results	
Fungi (ug/g)	135 1,350	39	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		33	Few target organism were present and variability was very high. Precision is very low.
Bacteria (ug/g)	135 1,350	760	Good: The bacterial biomass is within the recommended range for your plant's stage in succession.
Standard Deviation		113	Distribution of the target organisms in the sample was uniform; variation was small.
Actinobacteria (ug/g)	1 4	0.47	Low: The actinobacterial biomass is below the expected range. This is not a problem.
Standard Deviation		0.7	Few target organism were present and variability was very high. Precision is very low.
F:B Ratio	0.9:1 2:1	0.05	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	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)	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: Prøve 4 med højt organisk indhold