

# Soil Foodweb Report



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*“Dedicated to promote peace, harmony, and dignity amongst all living things.”*

**Sample Name: 2018 A**

**Sample Type: Compost**

**Plants Present/Desired: Green Beans**

<b>Beneficial Microorganisms</b>	<b>Recommended Range</b>	<b>Sample Results</b>	<b>Standard Deviation</b>
Bacteria (ug/g)	300 - 1,000	190 30	Low: The bacterial biomass did not meet the minimum recommended range for your types of plants. Need to replenish.
Actinobacteria (ug/g)	1 - 6	0.1 0.1	Good: The actinobacteria is within range for healthy soils with your types of plants.
Fungi (ug/g)	150 - 500	20 40	Low: The beneficial fungal biomass does not meet the minimum of the recommended range. Need to replenish and enhance.
F:B Ratio	0.5:1 – 0.8:1	0.12	Low: The bacterial and beneficial fungal biomass needs to be replenished in order to bring up the F:B ratio to the desired range for your types of plants.
	<b>Minimum Value</b>		
<i>Protozoa (Total)</i>	>50,000	16,300	Low: Bacteria is the main source of food for protozoa. Protozoa help to keep the bacterial biomass within in range and to release nutrients into plant available forms by consuming the bacteria. Need to replenish.
Flagellate (#/g)	(See Total)	0 0	
Amoebae (#/g)	(See Total)	16,300 36,500	
<b><i>Nematodes</i></b>			
Bacterial-feeding (#/g)	100	0	None detected: Bacteria-feeding nematodes help keep bacteria populations in balance. Need to replenish.
Fungal-feeding (#/g)	10	0	None detected: Fungal-feeding nematodes help to release nutrients from fungal hyphae to the plants. Need to replenish.
Predatory (#/g)	1	0	None detected: Need to replenish.
<b>Detrimental Microorganisms</b>			
	<b>Maximum Value</b>		
<b><i>Disease-Causing Fungi</i></b>			
Oomycetes (ug/g)	0	0 0	None detected. No disease-causing fungi were observed in the sample. Great!
<b><i>Anaerobic Protozoa</i></b>			
Ciliate (#/g)	0	0 0	None detected: No ciliates were observed in the sample. Great!
<b><i>Nematode</i></b>			
Root-feeding (#/g)	0	0	None detected. No root-feeding nematodes were detected. Great!

Were any anaerobic indicating bacteria observed in the sample? No  
 Were any pathogenic bacteria observed in the sample? No

