Soil Biology Report Performed By:

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Client: Name: Organization: Winn's Compost 120 Ohio Gulch Rd Hailey ID 83333 Email: Date Observed: 05-16-2023

Sample Name: Landscape Compost Sample Type: Compost Plants Present/Desired: Compost Plant Succession: Mid-Successional

Beneficial Microorganisms

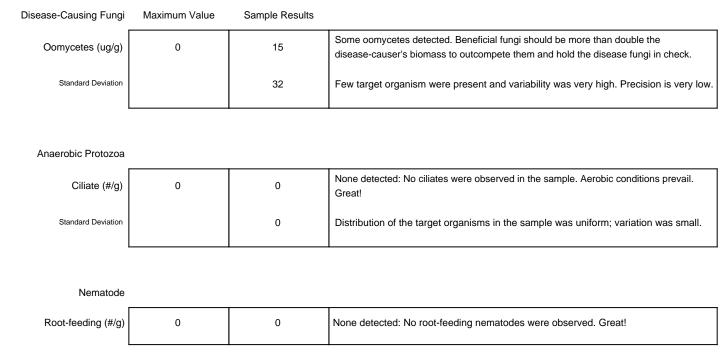
| | | nmended ange | Sample Results | |
|-----------------------|-------|-----------------|----------------|--|
| Fungi (ug/g) | 101 | 1,012 | 194 | Good: The fungal biomass is within the recommended range for your plant's stage in succession. |
| Standard Deviation | | | 237 | Few target organism were present and variability was very high. Precision is very low. |
| Bacteria (ug/g) | 135 | 1,350 | 2,975 | The bacterial biomass is significantly greater than the maximum recommended level. Please contact your Soil Biology Consultant. |
| Standard Deviation | | | 404 | Distribution of the target organisms in the sample was uniform; variation was small. |
| Actinobacteria (ug/g) | 1 | 10 | 4.02 | Good: The actinobacterial biomass is within the recommended range for your plant's succession. |
| Standard Deviation | | | 5.6 | Few target organism were present and variability was very high. Precision is very low. |
| F:B Ratio | 0.6:1 | 0.9:1 | 0.07 | 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 | 771,400 | Good: The number of beneficial protozoa is above the minimum requirement. |
| Standard Deviation | | 492,829 | Target organisms were present in the sample, but extremely patchy in distribution. Precision is poor. |
| Flagellate (#/g) | (See Total) | 551,000 | |
| Standard Deviation | | 389,616 | |
| Amoebae (#/g) | (See Total) | 220,400 | |
| Standard Deviation | | 301,795 | |

Nematodes

| Bacterial-feeding (#/g) | 200 | 800 | Good: Minimum numbers met. |
|-------------------------|-----|-----|---|
| Fungal-feeding (#/g) | 100 | 0 | None detected: Fungal-feeding nematodes help to release nutrients from fungal hyphae to the plants. |
| Predatory (#/g) | 0 | 0 | None detected: Predatory nematodes help reduce root-feeding nematode numbers. |

Detrimental Microorganisms



Additional Comments: Good protozoa population, Fungi population there but sparse