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Date: 28.04.2023
 Sample ID: SBL4813 Compost - Week 1

Compost Microbiology Report

Organism Biomass

Analysis	Units	Result	Guideline	Low	Optimal	High
Moisture content	%	58	20 - 80			
Active Bacteria	µg/g	45.5	3 - 30			
Total Bacteria	µg/g	860	300 - 3000			
Active Fungi	µg/g	92.4	3 - 30			
Total Fungi	µg/g	1076	300 - 3000			
Hyphal Diameter	µm	3.14	>2.5			

Organism Ratios

Analysis	Result	Guideline	Low	Optimal	High
Active/Total Bacteria	0.05	0.01 - 0.1			
Active/Total Fungi	0.09	0.01 - 0.1			
Active Fungi/Active Bacteria	2.03	0.01 - 10			
Total Fungi/Total Bacteria	1.25	0.01 - 10			

Protozoa

Analysis	Units	Result	Guideline	Low	Optimal	High
Flagellates	No/g	108544	> 10000			
Amoebae	No/g	33	> 10000			
Ciliates	No/g	328	0 - 2000			

Nematodes

Analysis	Units	Result	Guideline	Low	Optimal	High
Total Nematodes	No/g	2	10 - 100			
Nematode types	Fungal feeders: 30%; Bacterial feeders: 50%; Predators: 7%; Plant parasitic: 13%; Juveniles: 0%					

Potential Nitrogen in Soil

Nitrogen (N)	kg/ha	224+	Potentially cycled for a period of 3-6 months			
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*Please note that this value is related to the microbiological activity and it is not a chemical measure of nitrogen.