

# COMPOST BIOLOGY REPORT

Report prepared for:  
Plateau Bark and Compost Ltd  
John Fell  
5 Seaview Lane  
null  
Whakatane, Bay of Plenty 3120 New Zealand

Report Sent: 17 May 2020  
Sample #: 05-7346  
Unique ID: Vermicaste  
Invoice Number: 6274  
Sample Received: 08 May 2020



Soil Foodweb New Zealand  
12 Smith Street  
Waihi, 3610 New Zealand  
07 863 8556  
info@soilfoodweb.co.nz  
http://www.soilfoodweb.co.nz

**For interpretation of this report please contact your local Soil Steward or the lab.**

Assay Name	Result	Units	Desired Level	Commentary
<b>Organism Biomass Data</b>				
Dry Weight	0.51	N/A	0.20 to 0.80	Within normal moisture levels for compost
Active Fungi	4.38	µg/g	> 3.00	Fungal activity within normal levels (just) -
Total Fungi	388.44	µg/g	> 300.00	Good fungal biomass. - Reasonable diversity and hyphal formations.
Active Bacteria	43.50	µg/g	> 3.00	Bacterial activity within normal levels.
Total Bacteria	396.55	µg/g	> 300.00	Adequate bacterial biomass. -
Actinobacteria	0.00	µg/g	< 20.00	
<b>Organism Biomass Ratios</b>				
TF:TB	0.98		0.01 to 10.00	Balanced fungal and bacterial biomass. This product should provide a good fungal inoculum for kiwifruit.
AF:TF	0.01		< 0.10	Fungal component mature ie less than 10%
AB:TB	<b>0.11</b>		< 0.10	Not quite mature - Ideally this level of activity should be below 10%. Bacterial levels are still increasing, although the reason for the low total bacterial numbers could be due to high protozoan predation.
AF:AB	0.10		0.01 to 10.00	Balanced fungal and bacterial biomass, becoming bacterial.
<b>Protozoa (Protists)</b>				
Flagellates	<b>8,961.56</b>	number/g	> 10,000.00	Protozoa levels quite low. Very little bacteria noted in plates indicating their food resource was too low to grow good numbers. Vermicaste may have gone through anaerobic state however active bacterial biomass suggests product is not anaerobic now.
Amoebae	11,195.14	number/g	> 10,000.00	
Ciliates	<b>894.99</b>	number/g	< 202.00	
Nitrogen Cycling Potential	84-112	kg/ha		Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period
<b>Nematodes</b>				
Nematodes	Not Ordered	number/g	> 10.00	
Bacterial	Not Ordered	number/g		
Fungal	Not Ordered	number/g		
Fungal/Root	Not Ordered	number/g		
Predatory	Not Ordered	number/g		
Root	Not Ordered	number/g		
<b>Miscellaneous Testing</b>				
E.coli	Not Ordered	CFU/g	< 800.00	For most areas, the maximum E.coli CFU/g is 800 - 1000. Please check your local regulations for more information. -
pH	Not Ordered			
Organic Matter	Not Ordered			
Electrical Conductivity	Not Ordered	µS/cm	< 1000.00	

Compost Notes:  
Vermicaste. Food stocks: Biosolids and wood fibre. Turned 4 times.