

Soil Report

Job Name **Andrew Allen**

Date **1/11/2022**

Company **SD Microbes LLC**

Submitted By

Sample Location		Bio Vast				
Sample ID		Compost				
Lab Number		7				
Sample Depth in inches		6				
Total Exchange Capacity (M. E.)		19.16				
pH of Soil Sample		6.6				
Organic Matter, Percent		76.50				
ANIONS	SULFUR: p.p.m.	34				
	Mehlich III Phosphorous: as (P ₂ O ₅) lbs / acre	1129				
EXCHANGEABLE CATIONS	CALCIUM: Desired Value lbs / acre Value Found Deficit	4688				
	MAGNESIUM: Desired Value lbs / acre Value Found Deficit	918				
	POTASSIUM: Desired Value lbs / acre Value Found Deficit	986				
	SODIUM: lbs / acre	130				
BASE SATURATION %	Calcium (60 to 70%)	61.17				
	Magnesium (10 to 20%)	19.96				
	Potassium (2 to 5%)	6.60				
	Sodium (.5 to 3%)	1.48				
	Other Bases (Variable)	4.80				
	Exchangeable Hydrogen (10 to 15%)	6.00				
TRACE ELEMENTS	Boron (p.p.m.)	1.92				
	Iron (p.p.m.)	23				
	Manganese (p.p.m.)	12				
	Copper (p.p.m.)	0.72				
	Zinc (p.p.m.)	8.36				
	Aluminum (p.p.m.)	18				
OTHER	Cobalt ppm	< 0.02				
	Molybdenum ppm	0.46				
	Ammonium (p.p.m.)	0.2				
	Nitrate (p.p.m.)	31.1				
	Selenium ppm	0.75				
	Silicon ppm	5.1				
	Estimated Nitrogen Release #N/Acre	130				
	EC mmhos/cm	0.32				
	Media Density g/cm3	0.36				