



Soil, Water, and Plant Testing Lab

A319 NESB

200 W. Lake St.

Fort Collins, CO 80523

970-491-5061

Soil Analysis Report

Billing:

Submitted By: **Vince Eisenhand CMT Excavating**

Lab No. H1165b

P O Box 935

Date Received: 1/14/19

Indian Hills CO 80454

Date Reported: 2/2/19

Sample ID: CMT B

Sample Date: 1/14/19

Amendment Type: compost

Parameter	As Received Basis		Dry Matter Basis		method*	Level
Total Solids (%)	87.4		100		03.09-A	
Moisture (%)	12.6		0		03.09-A	
Organic Matter (%)	16.0		18.3		05.07-A	
Ash (%)	71.4		81.7		05.07-A	
Soluble Salts (1:5, mmhos/cm)	1.6				04-10-A	
Soluble salts (paste, mmhos/cm)	4.2					
pH 1:5	6.7				04-11-A	
pH (paste)	6.4					
	lbs/ton		lbs/ton			
Total Nitrogen (%)	0.4778	9.6	0.547	10.9	04.02-D	
Organic Nitrogen (%)	0.4707	9.4	0.539	10.8	Calc	
Ammonium-Nitrogen (%)	0.0004		0.0005		04.02-C	
Ammonium-Nitrogen (ppm)	4.4		5.0		04.02-C	
Nitrate-Nitrogen (%)	0.0067		0.0077		04.02-B	
Nitrate-Nitrogen (ppm)	67.0		76.7		04.02-B	
Total Phosphorus as P (%)	0.3190	6.4	0.365	7.3	04.03-A	
Total Phosphorus as P2O5 (%)	0.7305	14.6	0.836	16.7	04.03-A	
Total Potassium as K (%)	0.1483	3.0	0.1697	3.4	04.04-A	
Total Potassium as K2O (%)	0.1780	3.6	0.2036	4.1	04.04-A	
total C (%)	8.168		9.35			
C/N ratio	17.1		17.1		Calc	
Ammonium-N/Nitrate-N Ratio	0.07		0.07		Calc	
Lime (% calcium carbonate)	1.65		1.89		6E1c**	
	meq/100g		meq/100g			
Extractable calcium (mg/kg)	2763	13.815	3161	15.8	9-3.1***	
Extractable magnesium (mg/kg)	424	3.533	485	4.0	9-3.1***	
Extractable sodium (mg/kg)	394	1.713	451	2.0	9-3.1***	
Extractable potassium (mg/kg)	1081	2.772	1237	3.2	9-3.1***	
water soluble Ca (mg/kg)	203	1.015	232	1.2	9-3.1***	
water soluble Mg (mg/kg)	67.2	0.560	77	0.6	9-3.1***	
water soluble Na (mg/kg)	78.4	0.341	90	0.4	9-3.1***	
water soluble K (mg/kg)	333	0.854	381	1.0	9-3.1***	
Exchangeable Ca (mg/kg)	2560.000	12.800	2929	14.6	9-3.1***	
Exchangeable Mg (mg/kg)	356.800	2.973	408	3.4	9-3.1***	
Exchangeable Na (mg/kg)	315.600	1.372	361	1.6	9-3.1***	
Exchangeable K (mg/kg)	748.000	1.918	856	2.2	9-3.1***	
CEC (meq/100g)				22	4B4b1**	
Saturated paste calcium (meq/L)	25.9				4F3b**	
Saturated paste magnesium (meq/L)	16.2				4F3b**	
Saturated paste sodium (meq/L)	7.6				4F3b**	
Saturated paste potassium (meq/L)	11.3				4F3b**	
Sodium Adsorption Ratio (SAR)	1.7				4F3b**	
Plant available phosphorus (ppm)	255		292		AB-DTPA	
Plant available potassium (ppm)	1081		1237		AB-DTPA	
Plant available zinc (ppm)	25.1		28.7		AB-DTPA	
Plant available iron (ppm)	123.8		141.6		AB-DTPA	
Plant available manganese (ppm)	8.9		10.2		AB-DTPA	
Plant available copper (ppm)	7.9		9.0		AB-DTPA	
total zinc (ppm)	62.7		71.7		3050/6010	
total iron (ppm)	5536		6334		3050/6010	