



Analytical Report

Client:

Address:

Telephone/Fax:

Email:

Contact:

Lab ID.:

86902-1

Date Sampled:

15 Jun 2009

Date Received:

16 Jun 2009

Date Completed:

18 Jun 2009

Sample Description: Dirt by Flag Pole

Sample Range: Soil

EMS-200 : Complete analysis for soils (Mehlich-III/ H2O extraction)

Components		Results		Range			Interperative Guide
		ppm	cmols	low	medium	high	
MACRO NUTRIENTS (ppm)							
Nitrate Nitrogen	NO3-N	17.70			○		8 - 100
Ammonium Nitrogen	NH4-N	10.90			○		5 - 35
Phosphorus	P	48.66			○		30 - 75
Potassium	K	158.22	0.41	▽			170 - 430
Calcium	Ca	900.51	4.50		○		800 - 2,000
Magnesium	Mg	161.01	1.34		○		100 - 300
Sulfate Sulfur	SO4-S	45.13					
MICRO NUTRIENTS (ppm)							
Sodium	Na	64.55	0.28			△	1 - 60
Iron	Fe	61.40				△	5 - 50
Manganese	Mn	20.24			○		8 - 50
Boron	B	0.81			○		0.50 - 1
Copper	Cu	1.07			○		1 - 12
Zinc	Zn	5.55			○		3 - 20
Molybdenum	Mo	0.31			○		0.20 - 50
Aluminum	Al	431.01					
PH & EC							
pH	pH	5.56					
Soluble Salts	EC	0.44					
CEC			6.52				
Base Saturations (%)		Ratios					
Potassium	K	6.22	Ca / Mg		3.37		
Calcium	Ca	69.02	Ca / K		11.10		
Magnesium	Mg	20.50	Mg / K		3.30		
Sodium	Na	4.26	(Ca+Mg)/K		14.40		





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18 Jun 2009

Sample Description: Dirt by Power Transformer

Sample Range: Soil

EMS-200 : Complete analysis for soils (Mehlich-III/ H2O extraction)

Components		Results		Range			Interperative Guide
		ppm	cmols	low	medium	high	
MACRO NUTRIENTS (ppm)							
Nitrate Nitrogen	NO3-N	24.60			○		8 - 100
Ammonium Nitrogen	NH4-N	0.90		▽			5 - 35
Phosphorus	P	80.68				△	30 - 75
Potassium	K	213.75	0.55		○		170 - 430
Calcium	Ca	911.92	4.56		○		800 - 2,000
Magnesium	Mg	177.54	1.48		○		100 - 300
Sulfate Sulfur	SO4-S	39.57					
MICRO NUTRIENTS (ppm)							
Sodium	Na	44.76	0.19			△	1 - 60
Iron	Fe	76.70				△	5 - 50
Manganese	Mn	10.48			○		8 - 50
Boron	B	0.80			○		0.50 - 1
Copper	Cu	0.33		▽			1 - 12
Zinc	Zn	3.54			○		3 - 20
Molybdenum	Mo	0.27			○		0.20 - 50
Aluminum	Al	336.22					
PH & EC							
pH	pH	5.66					
Soluble Salts	EC	0.52					
CEC			6.78				
Base Saturations (%)		Ratios					
Potassium	K	8.09	Ca / Mg		3.09		
Calcium	Ca	67.30	Ca / K		8.32		
Magnesium	Mg	21.77	Mg / K		2.69		
Sodium	Na	2.84	(Ca+Mg)/K		11.01		