



Analytical Report

Client: Smith Nursery
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Lab ID.: 108002-1
Date Sampled: 26 Apr 2013
Date Received: 03 May 2013
Date Completed: 05 May 2013

Sample Description: South Field
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	5.40		▽			8 - 100
Ammonium Nitrogen	NH4-N	ND		▽			5 - 35
Phosphorus	P	89.88				△	30 - 75
Potassium	K	94.74	0.24	▽			170 - 430
Calcium	Ca	1,281.44	6.41		○		800 - 2,000
Magnesium	Mg	199.57	1.66		○		100 - 300
Sulfate Sulfur	SO4-S	14.72					
MICRO NUTRIENTS (ppm)							
Sodium	Na	9.77	0.04		○		1 - 60
Iron	Fe	93.74				△	5 - 50
Manganese	Mn	9.57			○		8 - 50
Boron	B	1.36				△	0.50 - 1
Copper	Cu	0.86		▽			1 - 12
Zinc	Zn	10.46			○		3 - 20
Molybdenum	Mo	0.14		▽			0.20 - 50
Aluminum	Al	217.14					
PH & EC							
pH	pH	6.41					
Soluble Salts	EC	0.17					
CEC			8.35				
Base Saturations (%)		Ratios					
Potassium	K	2.91	Ca / Mg	3.86			
Calcium	Ca	76.73	Ca / K	26.38			
Magnesium	Mg	19.85	Mg / K	6.82			
Sodium	Na	0.50	(Ca+Mg)/K	33.20			

