

Soil Test Report

Prepared For:

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Sample Information:

Sample ID: Morawski Soil #1

Order Number: 25485

Lab Number: S160920-124

Area Sampled:

Received: 9/20/2016

Reported: 9/27/2016

Results

<i>Analysis</i>	<i>Value Found</i>	<i>Optimum Range</i>	<i>Analysis</i>	<i>Value Found</i>	<i>Optimum Range</i>
Soil pH (1:1, H ₂ O)	4.7		Cation Exch. Capacity, meq/100g	8.8	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	7.6	
<i>Macronutrients</i>			Base Saturation, %		
Phosphorus (P)	6.4	4-14	Calcium Base Saturation	10	50-80
Potassium (K)	49	100-160	Magnesium Base Saturation	2	10-30
Calcium (Ca)	177	1000-1500	Potassium Base Saturation	1	2.0-7.0
Magnesium (Mg)	24	50-120	Scoop Density, g/cc	1.10	
Sulfur (S)	15.1	>10	Optional tests		
<i>Micronutrients *</i>			Soil Organic Matter (LOI), %	3.3	
Boron (B)	0.0	0.1-0.5			
Manganese (Mn)	5.3	1.1-6.3			
Zinc (Zn)	2.0	1.0-7.6			
Copper (Cu)	0.4	0.3-0.6			
Iron (Fe)	23.3	2.7-9.4			
Aluminum (Al)	122	<75			
Lead (Pb)	1.3	<22			

* Micronutrient deficiencies rarely occur in New England soils; therefore, an Optimum Range has never been defined. Values provided represent the normal range found in soils and are for reference only.

Soil Test Interpretation

Nutrient	Very Low	Low	Optimum	Above Optimum
Phosphorus (P):				
Potassium (K):				
Calcium (Ca):				
Magnesium (Mg):				



Soil and Plant Nutrient Testing Laboratory

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Amherst, MA 01003
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e-mail: soiltest@umass.edu
website: soiltest.umass.edu

Recommendations for Data only (including micronutrients)

Comments:

General References:

Interpreting Your Soil Test Results

<http://soiltest.umass.edu/fact-sheets/interpreting-your-soil-test-results>

For current information and order forms, please visit

<http://soiltest.umass.edu/>

UMass Extension Nutrient Management

<http://ag.umass.edu/agriculture-resources/nutrient-management>