Soil and Plant Tissue Testing Laboratory
203 Paige Laboratory
161 Holdsworth Way
University of Massachusetts
Amherst, MA 01003
Phone: (413) 545-2311
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Soil Test Report

Prepared For:

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Sample Information:

Sample ID: C4 2016

Order Number: 21757
Lab Number: S160419-227
Area Sampled: 60 acres
Received: 4/19/2016
Reported: 5/6/2016

Results

Analysis	*Value Found*	*Optimum Range*
Soil pH (1:1, H2O)	4.9	
Modified Morgan extractable, ppm		
Macronutrients		
Phosphorus (P)	1.4	4-14
Potassium (K)	388	100-160
Calcium (Ca)	1044	1000-1500
Magnesium (Mg)	227	50-120
Sulfur (S)	15.5	>10
Micronutrients *		
Boron (B)	0.1	0.1-0.5
Manganese (Mn)	18.9	1.1-6.3
Zinc (Zn)	1.6	1.0-7.6
Copper (Cu)	0.2	0.3-0.6
Iron (Fe)	9.6	2.7-9.4
Aluminum (Al)	97	<75
Lead (Pb)	0.6	<22

Analysis	*Value Found*	*Optimum Range*
Cation Exch. Capacity, meq/100g	19.6	
Exch. Acidity, meq/100g	11.5	
Base Saturation, %		
Calcium Base Saturation	27	50-80
Magnesium Base Saturation	9	10-30
Potassium Base Saturation	5	2.0-7.0
Scoop Density, g/cc	0.77	
Optional tests		
Soil Organic Matter (LOI), %	7.2	

* *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):				

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Recommendations for Data only (including micronutrients)

Comments:

-Avoid overfertilization. In addition to threatening water quality, excessive nutrient applications can compromise plant health and contribute to insect and disease problems. For details, see Reference "Over-Fertilization: Its Causes, Effects and Remediation" (listed below).

References:

Over-Fertilization: Its Causes, Effects and Remediation	http://soiltest.umass.edu/fact-sheets/over-fertilization-soils-its-causes-effects-and-remediation

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