Soil and Plant Tissue Testing Laboratory
203 Paige Laboratory
161 Holdsworth Way
University of Massachusetts
Amherst, MA 01003
Phone: (413) 545-2311
e-mail: soiltest@umass.edu
website: soiltest.umass.edu

Soil Test Report

Prepared For:

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Sample Information:

Sample ID: Front

Order Number: 14678
Lab Number: S150515-616
Area Sampled: 4 acres
Received: 5/15/2015
Reported: 6/5/2015

Results

Analysis	*Value Found*	*Optimum Range*
Soil pH (1:1, H2O)	5.6	
Modified Morgan extractable, ppm		
Macronutrients		
Phosphorus (P)	3.9	4-14
Potassium (K)	265	100-160
Calcium (Ca)	1784	1000-1500
Magnesium (Mg)	253	50-120
Sulfur (S)	11.1	>10
Micronutrients *		
Boron (B)	0.3	0.1-0.5
Manganese (Mn)	27.6	1.1-6.3
Zinc (Zn)	1.8	1.0-7.6
Copper (Cu)	0.2	0.3-0.6
Iron (Fe)	6.3	2.7-9.4
Aluminum (Al)	51	<75
Lead (Pb)	0.2	<22

Analysis	*Value Found*	*Optimum Range*
Cation Exch. Capacity, meq/100g	19.3	
Exch. Acidity, meq/100g	7.6	
Base Saturation, %		
Calcium Base Saturation	46	50-80
Magnesium Base Saturation	11	10-30
Potassium Base Saturation	4	2.0-7.0
Scoop Density, g/cc	0.93	
Optional tests		
Soil Organic Matter (LOI), %	6.8	

* *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 Grass Pasture - Intensively Managed

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
	lbs / acre		
5000	100	30	0

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/