



Soil Test Report

Prepared For:

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Sample Information:

Sample ID: C1

Order Number: 16488

Lab Number: S150812-103

Area Sampled:

Received: 8/12/2015

Reported: 8/18/2015

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)	5.6		Cation Exch. Capacity, meq/100g	12.1	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	5.6	
<i>Macronutrients</i>			Base Saturation, %		
Phosphorus (P)	1.6	4-14	Calcium Base Saturation	37	50-80
Potassium (K)	268	100-160	Magnesium Base Saturation	11	10-30
Calcium (Ca)	890	1000-1500	Potassium Base Saturation	6	2.0-7.0
Magnesium (Mg)	167	50-120	Scoop Density, g/cc	1.01	
Sulfur (S)	7.6	>10	Optional tests		
<i>Micronutrients *</i>			Soil Organic Matter (LOI), %	5.4	
Boron (B)	0.1	0.1-0.5	Nitrate-N (NO ₃ -N), ppm	10	
Manganese (Mn)	19.7	1.1-6.3			
Zinc (Zn)	0.8	1.0-7.6			
Copper (Cu)	0.1	0.3-0.6			
Iron (Fe)	3.3	2.7-9.4			
Aluminum (Al)	26	<75			
Lead (Pb)	1.0	<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):				



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Recommendations for Grass Pasture - Intensively Managed

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
4000	100	40	0
lbs / acre			

Comments:

-Calcitic limestone is acceptable since soil magnesium levels are sufficient.

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/>