



Soil Test Report

Prepared For:

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Sample Information:

Sample ID: Front

Order Number: 6497
Lab Number: S140506-402
Area Sampled:
Received: 5/6/2014
Reported: 5/13/2014

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, H2O)	5.9		Cation Exch. Capacity, meq/100g	23.5	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	7.9	
<i>Macronutrients</i>			Base Saturation, %		
Phosphorus (P)	2.5	4-14	Calcium Base Saturation	49	50-80
Potassium (K)	282	100-160	Magnesium Base Saturation	14	10-30
Calcium (Ca)	2300	1000-1500	Potassium Base Saturation	3	2.0-7.0
Magnesium (Mg)	416	50-120	Scoop Density, g/cc	1.02	
Sulfur (S)	28.9	>10	Optional tests		
<i>Micronutrients *</i>			Soil Organic Matter (LOI), %	7.2	
Boron	0.1	0.1-0.5			
Manganese (Mn)	12.1	1.1-6.3			
Zinc (Zn)	1.5	1.0-7.6			
Copper (Cu)	0.2	0.3-0.6			
Iron (Fe)	2.8	2.7-9.4			
Aluminum (Al)	25	<75			
Lead (Pb)	0.4	<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):	██████████	██████████	██████████	██████████



Recommendations for Grass Pasture - Establishment

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
6000	50	80	0

Comments:

Calcitic limestone is acceptable since soil magnesium levels are sufficient.

Recommendations for Grass Pasture - Maintenance

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
6000	50	40	0

Comments:

Calcitic limestone is acceptable since soil magnesium levels are sufficient.

Recommendations for Grass Pasture - Intensively Managed

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
6000	100	40	0

Comments:

Calcitic limestone is acceptable since soil magnesium levels are sufficient.

Recommendations for Horse Pasture - Establishment

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
6000	50	80	0

Comments:

Calcitic limestone is acceptable since soil magnesium levels are sufficient.

Recommendations for Horse Pasture - Maintenance

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
6000	100	40	0

Comments:

Calcitic limestone is acceptable since soil magnesium levels are sufficient.

UMass Extension

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Soil and Plant Tissue Testing Laboratory

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General References:

Interpreting Your Soil Test Results

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