



Soil Test Report

Prepared For:

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Sample Information:

Sample ID: Orch

Order Number: 6497
Lab Number: S140506-404
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)	6.3		Cation Exch. Capacity, meq/100g	21.6	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	4.4	
<i>Macronutrients</i>			Base Saturation, %		
Phosphorus (P)	5.2	4-14	Calcium Base Saturation	57	50-80
Potassium (K)	158	100-160	Magnesium Base Saturation	20	10-30
Calcium (Ca)	2477	1000-1500	Potassium Base Saturation	2	2.0-7.0
Magnesium (Mg)	529	50-120	Scoop Density, g/cc	1.04	
Sulfur (S)	26.9	>10	Optional tests		
<i>Micronutrients *</i>			Soil Organic Matter (LOI), %	4.8	
Boron	0.2	0.1-0.5			
Manganese (Mn)	10.9	1.1-6.3			
Zinc (Zn)	0.9	1.0-7.6			
Copper (Cu)	0.2	0.3-0.6			
Iron (Fe)	2.8	2.7-9.4			
Aluminum (Al)	13	<75			
Lead (Pb)	0.1	<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
0	50	40	0
lbs / acre			

Comments:

Recommendations for Grass Pasture - Maintenance

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
0	50	20	0
lbs / acre			

Comments:

Recommendations for Grass Pasture - Intensively Managed

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
0	100	20	0
lbs / acre			

Comments:

Recommendations for Horse Pasture - Establishment

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

Comments:

Recommendations for Horse Pasture - Maintenance

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
0	100	20	0
lbs / acre			

Comments:

General References:

Interpreting Your Soil Test Results

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