



## Soil Test Report

### Prepared For:

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### Sample Information:

Sample ID: Orchard

Order Number: 14678  
 Lab Number: S150515-618  
 Area Sampled: 30 acres  
 Received: 5/15/2015  
 Reported: 6/5/2015

## 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, H2O)	6.1		Cation Exch. Capacity, meq/100g	18.4	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	3.8	
<i>Macronutrients</i>			Base Saturation, %		
Phosphorus (P)	2.3	4-14	Calcium Base Saturation	58	50-80
Potassium (K)	137	100-160	Magnesium Base Saturation	20	10-30
Calcium (Ca)	2135	1000-1500	Potassium Base Saturation	2	2.0-7.0
Magnesium (Mg)	440	50-120	Scoop Density, g/cc	1.01	
Sulfur (S)	12.3	>10	Optional tests		
<i>Micronutrients *</i>			Soil Organic Matter (LOI), %	4.4	
Boron (B)	0.4	0.1-0.5			
Manganese (Mn)	29.1	1.1-6.3			
Zinc (Zn)	0.9	1.0-7.6			
Copper (Cu)	0.2	0.3-0.6			
Iron (Fe)	8.9	2.7-9.4			
Aluminum (Al)	30	<75			
Lead (Pb)	0.2	<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):	[Progress bar]			
Potassium (K):	[Progress bar]			
Calcium (Ca):	[Progress bar]			
Magnesium (Mg):	[Progress bar]			



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***Recommendations for Grass Pasture - Intensively Managed***

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
2000	100	40	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/>