



Soil Test Report

Prepared For:

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Sample Information:

Sample ID: Area 1

Order Number: 8196
Lab Number: S140627-115
Area Sampled: 900 sq ft
Received: 6/27/2014
Reported: 7/2/2014

Results

Analysis	Value Found	Optimum Range	Analysis	Value Found	Optimum Range
Soil pH (1:1, H2O)	5.5		Cation Exch. Capacity, meq/100g	21.6	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	8.8	
Macronutrients			Base Saturation, %		
Phosphorus (P)	12.0	4-14	Calcium Base Saturation	43	50-80
Potassium (K)	120	100-160	Magnesium Base Saturation	15	10-30
Calcium (Ca)	1862	1000-1500	Potassium Base Saturation	1	2.0-7.0
Magnesium (Mg)	390	50-120	Scoop Density, g/cc	0.99	
Sulfur (S)	15.0	>10			
Micronutrients *					
Boron	0.2	0.1-0.5			
Manganese (Mn)	18.1	1.1-6.3			
Zinc (Zn)	6.6	1.0-7.6			
Copper (Cu)	0.7	0.3-0.6			
Iron (Fe)	12.7	2.7-9.4			
Aluminum (Al)	36	<75			
Lead (Pb)	3.0	<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):				



Recommendations for Home Vegetable (mixed)

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
15	.25 - .3	0.1	0.1

Comments:

See Reference "Step-by-Step Fertilizer Guide for Home Grounds and Gardening" (below) for information regarding fertilizer use in home gardens, lawns and landscapes.

The lead level in this soil is LOW. For more information about lead levels in soil, see our Soil Lead Fact Sheet.

References:

Soil Lead: Testing, Interpretation & Recommendations <http://soiltest.umass.edu/fact-sheets/soil-lead-testing-interpretation-recommendations>

Home Lawn and Garden Information <http://ag.umass.edu/home-lawn-garden-information>

Step-by-Step Fertilizer Guide for Home Grounds and Gardening <https://soiltest.umass.edu/fact-sheets/step-step-fertilizer-guide-home-grounds-and-gardening>

Recommendations for Flowers, Roses, & Herbs

Limestone (Target pH of 6.5)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
15	.1 - .2	0	0.1

Comments:

See Reference "Step-by-Step Fertilizer Guide for Home Grounds and Gardening" (below) for information regarding fertilizer use in home gardens, lawns and landscapes.

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Recommendations for Home Blueberries-Establishment

Limestone (Target pH of 5.0)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
0	.1	0	0.1

Comments:

Maintain a 3 to 5 inch organic mulch on soil surface.

Do not fertilize at planting. Amendments should be applied 3-4 weeks after setting plants. Place in circles extending 12 inches beyond plant crowns.

See Reference "Step-by-Step Fertilizer Guide for Home Grounds and Gardening" (below) for information regarding fertilizer use in home gardens, lawns and landscapes.

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References:

Soil Lead: Testing, Interpretation & Recommendations <http://soiltest.umass.edu/fact-sheets/soil-lead-testing-interpretation-recommendations>

New England Small Fruit Management Guide <http://extension.umass.edu/fruitadvisor/new-england-small-fruit-management-guide>

Step-by-Step Fertilizer Guide for Home Grounds and Gardening <https://soiltest.umass.edu/fact-sheets/step-step-fertilizer-guide-home-grounds-and-gardening>

Recommendations for Home Blueberries-Maintenance

Limestone (Target pH of 5.0)	Nitrogen, N	Phosphorus, P2O5	Potassium, K2O
0	.1 - .25	0	0.1

Comments:

Maintain a 3 to 5 inch organic mulch on soil surface.

See Reference "Step-by-Step Fertilizer Guide for Home Grounds and Gardening" (below) for information regarding fertilizer use in home gardens, lawns and landscapes.

The lead level in this soil is LOW. For more information about lead levels in soil, see our Soil Lead Fact Sheet.

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Step-by-Step Fertilizer Guide for Home Grounds and Gardening <https://soiltest.umass.edu/fact-sheets/step-step-fertilizer-guide-home-grounds-and-gardening>

General References:

Interpreting Your Soil Test Results <http://soiltest.umass.edu/fact-sheets/interpreting-your-soil-test-results>