

Soil Test Report

Prepared For:

Jason Johnson
Friends of Lake Warner
PO Box 11
Hadley, MA 01035

cookjohnson@comcast.net
413-320-3386

Sample Information:

Sample ID: LKW Sed 3

Order Number: 17637

Lab Number: S151005-114

Area Sampled:

Received: 10/5/2015

Reported: 10/15/2015

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) | 5.3 | | Cation Exch. Capacity, meq/100g | 17.8 | |
| Modified Morgan extractable, ppm | | | Exch. Acidity, meq/100g | 7.0 | |
| <i>Macronutrients</i> | | | Base Saturation, % | | |
| Phosphorus (P) | 16.1 | 4-14 | Calcium Base Saturation | 54 | 50-80 |
| Potassium (K) | 66 | 100-160 | Magnesium Base Saturation | 6 | 10-30 |
| Calcium (Ca) | 1910 | 1000-1500 | Potassium Base Saturation | 1 | 2.0-7.0 |
| Magnesium (Mg) | 128 | 50-120 | Scoop Density, g/cc | 0.50 | |
| Sulfur (S) | 262.5 | >10 | Optional tests | | |
| <i>Micronutrients *</i> | | | Soil Organic Matter (LOI), % | 11.4 | |
| Boron (B) | 0.5 | 0.1-0.5 | Nitrate-N (NO3-N), ppm | 2 | |
| Manganese (Mn) | 200.1 | 1.1-6.3 | | | |
| Zinc (Zn) | 23.6 | 1.0-7.6 | | | |
| Copper (Cu) | 0.7 | 0.3-0.6 | | | |
| Iron (Fe) | 305.5 | 2.7-9.4 | | | |
| Aluminum (Al) | 131 | <75 | | | |
| Lead (Pb) | 4.3 | <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): | | | | |



Soil and Plant Tissue Testing Laboratory

203 Paige Laboratory
161 Holdsworth Way
University of Massachusetts
Amherst, MA 01003
Phone: (413) 545-2311
e-mail: soiltest@umass.edu
website: soiltest.umass.edu

Recommendations for Crop Code Unknown - Please Specify

Comments:

-No crop code was received with your submission form, so no lime and fertilizer recommendations could be made. If you need recommendations, please contact the lab with your lab number, which is located on the lower right corner for your report, and a crop code, found on the second page of the submission form (See References).

References:

UMass Soil Lab Submission Forms <http://soiltest.umass.edu/ordering-information>

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/>