

Soil Test Report

Prepared For:

Casey Sabatka
Dirty Boots Flowers
3052 W George St #2
Chicago, IL 60618

casey@dirtybootsflowers.com
312-371-4530

Sample Information:

Sample ID: Site #2

Order Number: 29591

Lab Number: S170428-129

Area Sampled: 20 sq ft

Received: 4/28/2017

Reported: 5/5/2017

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, H ₂ O)	8.0		Cation Exch. Capacity, meq/100g	149.2	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	0.0	
<i>Macronutrients</i>			Base Saturation, %		
Phosphorus (P)	4.5	4-14	Calcium Base Saturation	96	50-80
Potassium (K)	133	100-160	Magnesium Base Saturation	4	10-30
Calcium (Ca)	28567	1000-1500	Potassium Base Saturation	0	2.0-7.0
Magnesium (Mg)	730	50-120	Scoop Density, g/cc	1.12	
Sulfur (S)	346.0	>10			
<i>Micronutrients *</i>					
Boron (B)	1.2	0.1-0.5			
Manganese (Mn)	8.8	1.1-6.3			
Zinc (Zn)	16.3	1.0-7.6			
Copper (Cu)	2.5	0.3-0.6			
Iron (Fe)	2.5	2.7-9.4			
Aluminum (Al)	15	<75			
Lead (Pb)	91.6	<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 Flowers, Roses, & Herbs

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

Comments:

- The lead level in this soil is elevated. It is recommended that soils with elevated levels of extractable lead (greater than 22 ppm) be tested for Total Sorbed Lead. The UMass Soil Lab offers a Total Sorbed Metals test that measures total lead and other heavy metals. Ordering information can be found on our website here: <https://soiltest.umass.edu/ordering-information>.
- For instructions on converting nutrient recommendations to fertilizer applications in home gardens, lawns and landscapes, see Reference "Step-by-Step Fertilizer Guide for Home Grounds and Gardening" (listed below).
- When pH is greater than 6.8, Cation Exchange Capacity (CEC) tends to be overestimated.

References:

Soil Lead: Testing, Interpretation & Recommendations	http://soiltest.umass.edu/fact-sheets/soil-lead-testing-interpretation-recommendations-0
Home Lawn and Garden Information	http://ag.umass.edu/resources/home-lawn-garden
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
For current information and order forms, please visit	http://soiltest.umass.edu/
UMass Extension Nutrient Management	http://ag.umass.edu/agriculture-resources/nutrient-management