

Soil Test Report

Prepared For:

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

casey@dirtybootsflowers.com
312-371-4530

Sample Information:

Sample ID: Frank 2019

Order Number: 45301

Lab Number: S190607-132

Area Sampled: 3000 sq ft

Received: 6/7/2019

Reported: 6/20/2019

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)	7.0		Cation Exch. Capacity, meq/100g	31.3	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	1.0	
<i>Macronutrients</i>			Base Saturation, %		
Phosphorus (P)	316.4	4-14	Calcium Base Saturation	75	50-80
Potassium (K)	515	100-160	Magnesium Base Saturation	18	10-30
Calcium (Ca)	4687	1000-1500	Potassium Base Saturation	4	2.0-7.0
Magnesium (Mg)	678	50-120	Scoop Density, g/cc	0.91	
Sulfur (S)	39.0	>10	Optional tests		
<i>Micronutrients *</i>			Nitrate-N (NO ₃ -N), ppm	35	
Boron (B)	1.5	0.1-0.5			
Manganese (Mn)	7.8	1.1-6.3			
Zinc (Zn)	68.1	1.0-7.6			
Copper (Cu)	0.8	0.3-0.6			
Iron (Fe)	7.4	2.7-9.4			
Aluminum (Al)	7	<75			
Lead (Pb)	9.3	<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):				

Phosphorus is excessive!!!

Recommendations for Flowers, Roses, & Herbs

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

Comments:

*Soil test values for nitrates, phosphorus and potassium are above optimum. Additional amendments are not recommended at this time.

-For instructions on converting nutrient recommendations to fertilizer applications in home gardens and landscapes, see Reference "Step-by-Step Fertilizer Guide for Home Grounds and Gardening" (listed below).

-Avoid over-fertilization. In addition to threatening water quality, excessive nutrient applications can compromise plant health and contribute to insect and disease problems. For details, see Reference "Corrective Measures and Management of Over-Fertilized Soils" (listed below).

-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-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://ag.umass.edu/SPNTL-4>

Corrective Measures and Management of Over-Fertilized Soils <https://ag.umass.edu/SPNTL-13>

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>