



UConn Soil Nutrient Analysis Laboratory

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UConn
 COLLEGE OF AGRICULTURE,
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 EXTENSION & PLANT SCIENCE
 AND LANDSCAPE ARCHITECTURE

Soil Test Report

Order Number: 21671

Prepared For:

Candace Chase
 [Redacted]
 [Redacted]

Sample Information:

Sample Name: Lachat #26
 Lab Number: 2938
 Area Sampled:
 Received: 4/4/2024
 Reported: 4/16/2024

Results

Nutrients Extracted From Your Soil (Modified Morgan)

		Below Optimum	Optimum	Above Optimum	Excessive*
Calcium	3894 lbs/acre	[Bar chart showing Calcium level in the 'Above Optimum' range]			
Magnesium	449 lbs/acre	[Bar chart showing Magnesium level in the 'Above Optimum' range]			
Phosphorus	52 lbs/acre	[Bar chart showing Phosphorus level in the 'Above Optimum' range]			
Potassium	318 lbs/acre	[Bar chart showing Potassium level in the 'Below Optimum' range]			

* Excessive only defined for Phosphorus (>40 lbs/acre)

Soil pH (1:1, H2O)	6.5	<i>Element</i>	<i>ppm</i>	<i>Soil Range in CT</i>
Est. Cation Exch. Capacity (meq/100g soil)	15.0	Boron (B)	0.4	0.1 - 2.0
		Copper (Cu)	0.1	0.3 - 0.8
Buffered pH (Mod. Mehlich)	6.3	Iron (Fe)	1.4	1.0 - 40.0
		Manganese (Mn)	3.1	3.0 - 20.0
		Zinc (Zn)	2.3	0.1 - 70.0
<i>Base Saturation</i>	<i>%</i>	<i>Suggested</i>	Sulfur (S)	39.5
Potassium	3	2.0 - 7.0	Aluminum (Al)	11.4
Magnesium	12	10 - 30		
Calcium	65	40 - 50	Est. Total Lead (Pb)	low

Limestone & Fertilizer Recommendations for Home Vegetable (mixed)

Limestone (Target pH of 6.6)

0 lbs / 1000 sq ft

Comments:

LIMESTONE:

No limestone is necessary

FERTILIZER:

Soil test levels for both PHOSPHORUS and POTASSIUM are AT OR ABOVE OPTIMUM.

Only a source of nitrogen is necessary this year. Before planting incorporate 2 lbs of Nitrogen per 1000 sq ft. One pound of Nitrogen can be supplied by 8.3 lbs of bloodmeal (12-0-0) or 11 lbs. of corn gluten (9-0-0) or 2.2 lbs of urea (46-0-0). If plants develop pale green to yellow color, sidedress with 1 lb of 10-6-4 or 10-10-10 per 100 feet of row in late June or early July. Apply next to the row about 6 inches from plants avoiding contact with the foliage to prevent burning. See the SUGGESTED FERTILIZER PRACTICES FOR VEGETABLES and HERBS fact sheet for instructions on how and when to add fertilizer

If you have questions about this report or fertilizer recommendations, contact the UConn Soil Nutrient Analysis Lab at (860) 486-4274 or email soiltest@uconn.edu.

If you have questions about any other plant, pest or disease problems, contact the UConn HOME and GARDEN EDUCATION CENTER, Dept. of Plant Science and Landscape Architecture. Phone: (877) 486-6271; email: ladybug@uconn.edu; website: www.homegarden.cahnr.uconn.edu.

Limestone & Fertilizer Recommendations for Flowers (Annuals, Perennials, Bulbs) & Ornamental Grasses

Limestone (Target pH of 6.5)

0 lbs / 100 sq ft

Comments:

LIMESTONE:

No limestone is necessary

FERTILIZER:

Soil test levels for both PHOSPHORUS and POTASSIUM are AT or ABOVE OPTIMUM.

Incorporate 0.2 lbs of Nitrogen per 100 sq ft. One pound of Nitrogen can be supplied by 8.3 lbs of bloodmeal (12-0-0), 11 lbs of corn gluten (9-0-0) or 2.2 lbs of urea (46-0-0). See Section III on the SUGGESTED FERTILIZER PRACTICES for FLOWERS fact sheet for instructions on when and how often to apply the fertilizer recommended above.

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References (Crop Related):

Soil Test Interpretation and Recommendations

<https://soiltesting.cahnr.uconn.edu/wp-content/uploads/sites/3514/2022/06/Standard-Nutrient-Analysis.pdf>

Fertilizer Practices for Vegetables & Herbs

<https://soiltesting.cahnr.uconn.edu/wp-content/uploads/sites/3514/2022/06/Vegetables-Herbs.pdf>

Suggested Fertilizer Practices for Flowers

<https://soiltesting.cahnr.uconn.edu/wp-content/uploads/sites/3514/2022/06/Flowers.pdf>

Fertilizer Conversions & Garden Measurements

<https://soiltesting.cahnr.uconn.edu/wp-content/uploads/sites/3514/2022/06/Fertilizer-Conversions-Garden-Measurements.pdf>