Report on Soil Test

Auburn University Soil Testing Laboratory

Auburn University, AL 36849-5411

Tom Davis

5515 Pine Arbor Dr

Houston, TX 77066

County:Mobile

District:3

Test Date:12/15/17

					SOIL TEST RESULTS				RECOMMENDATIONS			
LAB No.	Sample Designation	Crop	Soil Group*	pH**	Phosphorus P***	Potassium K***	Magnesium Mg***	Calcium Ca***	LIME-STONE	N	P_2O_5	K_2O
					Pounds/Acre				Tons/Acre	Pounds/Acre		
03390	Flower Bed along road See Comments 1,2,3	Perennials/Shrubs/Tree	3	6.3	VH 77	M 200	H 308	H 3203	0.0	120	0	60
	Flower Bed along road See Comments 2,4,5	Roses	3	6.3	VH 77	M 200	H 308	H 3203	0.0	120	0	40
	Flower Bed along road See Comment 2 See Comment 6	St.Augustine	3	6.3	VH 77	M 200	H 308	H 3203	0.0	80	0	40

Comment No.1: Per 100 sq. ft. apply 1 pint 15-0-15 or equivalent in the early spring and then apply 1 cup 34-0-0 or equivalent in the early summer. If phosphorus is excessive then fertilizers containing this element should not be used. Excessive phosphorus may cause an iron deficiency. The symptoms occur as a general yellowing of new growth. To correct, spray with a soluble source of iron which can be found at garden supply stores.

Comment No.2: Final remark - For small areas, comments give examples of ways to meet the fertilizer recommendations. Other fertilizer grades or materials that supply equivalent amounts of plant nutrients may be used with equal results. If you need assistance in calculating amounts of other materials to use, contact your county agent or fertilizer supplier. A pint of dry fertilizer is approximately 1 pound.

Comment No.3: Shrubs - Final remark on liming. For shrubs such as azaleas, gardenias, and rhododendron, which require acid soil do not apply lime. If the pH is below 5.0 you may wish to check with your county agent concerning the advisability of using a reduced rate of lime for these shrubs.

Comment No.4: Per 100 sq. ft. apply alternately 1 cup 15-0-15 or equivalent and 1/2 cup 34-0-0 or equivalent monthly starting when spring growth begins. Make last application about August 1. If phosphorus is excessive, then fertilizers containing this element should not be used. Excessive phosphorus may cause an iron deficiency. The symptoms occur as a general yellowing of new growth. To correct, spray with a soluble source of iron which can be found in garden supply stores.

Comment No.5: 1.0 Ton limestone per acre is approximately equivalent to 50 pounds per 1,000 sq. ft.

Comment No.6: Per 1,000 sq. ft. apply 6 pounds 15-0-15, or equivalent low phosphorus fertilizer, when spring growth begins and apply 1 pound N (3 pounds 34-0-0 or equivalent) in mid-summer. If more growth or better color is desired, make additional applications of 1 pound N at 2-month intervals. A pint of dry fertilizer is approximately 1 pound.

* 1. Sandy soil (CEC ‹ 4.6 $cmol_c kg^{-1}$)

* 2. Loams and Light clays (CEC = 4.6-9.0 $cmol_c kg^{-1}$)

* 3. Clays and soils high in organic matter (CEC > 9.0 $cmol_c kg^{-1}$)

* 4. Clays of the Blackbelt (CEC > 9.0 $cmol_c kg^{-1}$)

** 7.4 or higher - Alkaline - - - - - - - - - - - - - - 6.6-7.3 - Neutral - - - - - - - - - - - - - 6.5 or lower - Acid - - - - - - - - - - - - -5.5 or lower - Strong Acid

*** Extractable nutrients in pounds per acre

If soil group = 1, 2 or 3, Method of Analysis = Mehlich-1. If soil group = 4, Method of Analysis = Miss/Lancaster.

Approved by: Reuben B. Beverly

Print Date: December 15, 2017

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The number of samples processed in this report is: 1

For further information call your county agent: (251) 574-8445

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