



Report on Soil Test

Auburn University Soil Testing Laboratory

Auburn University, AL 36849-5411



Tom Davis

13600 Tom Gaston Rd

Mobile, AL 36695

County:Mobile

District:3

Test Date:07/26/19

					SOIL TEST RESULTS				RECOMMENDATIONS			
L A B No.	Sample Designation	Crop	S o i l Group*	pH**	Phosphorus	Potassium	Magnesium	Calcium	LIME-STONE	N	P ₂ O ₅	K ₂ O
					P***	K***	Mg***	Ca***				
					Pounds/Acre				Tons/Acre	Pounds/Acre		
16815	Big Garden North End	Cantaloupes	2	5.4	VH 204	H 248	H 184	H 1637	1.0	80	0	0
	See Comment 1											
	See Comment 2											
	Big Garden North End	Vegetables	2	5.4	VH 204	H 248	H 184	H 1637	1.0	120	0	60
	See Comments 1,3,4,5,6,7											
16816	South End	Vegetables	1	5.1	VH 115	H 122	H 73	H 670	1.0	120	0	60
	See Comments 1,3,4,5,6,7											
16817	Citrus Grove	H o m e Orchard	2	6.2	M 28	M 136	H 89	H 997	0.0	- -	50	50
	See Final Remark											
	See Comments 7,8,9											

Comment No.1: Soil acidity (low pH) can be corrected with either dolomitic or calcitic lime.

Comment No.2: Apply up to ½ of the recommended N , all the P and K and 1 to 2 lb. boron (B) per acre and as a broadcast just prior to planting. Apply 25 to 50 lb. N per acre as a sidedress. For melons, an additional 25 to 50 lb. N per acre can be applied at first fruit set or through the irrigation system.

Comment No.3: Per 1,000 sq. ft. broadcast 2.3 pounds muriate of potash (1 quarts 0-0-60). Per 100 square feet (10'x10') apply 0.14 pound actual N (0.42 pound 33-0-0 or about 1 cup) at planting and repeat the application later as a sidedress when the crop is up and growing well. Nitrogen (N) will stimulate green, leafy growth. Excess N could reduce yield of beans, peas, and fruiting crops.

Comment No.4: For strawberries apply about 1/3 of the fertilizer in September, 1/3 about 90 days before ripening and 1/3 after harvest.

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

Comment No.6: For cauliflower, broccoli and root crops on sandy soils apply 1 pound boron (B) per acre. (For home gardens, one tablespoon borax per 100 ft. of row.) For corn in home gardens on sandy soils apply 1 tablespoon zinc sulfate per 100 ft. of row.

* 1. Sandy soil (CEC < 4.6 cmol_ckg⁻¹)

* 2. Loams and Light clays (CEC = 4.6-9.0 cmol_ckg⁻¹)

* 3. Clays and soils high in organic matter (CEC > 9.0 cmol_ckg⁻¹)

* 4. Clays of the Blackbelt (CEC > 9.0 cmol_ckg⁻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.



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Comment No.7: 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.8: Per 1,000 sq. ft. apply 8 pounds 0-14-14 or equivalent. Apply N for individual trees or plants as recommended below.

Comment No.9: Home orchards - Final remark. Apply nitrogen for individual plants as follows:

Peaches, plums, pecans: Apply 0.16 pounds N (1/2 pound 34-0-0 or equivalent) per plant per year of age up to a maximum of 1.0 pound N per tree for peaches, 0.8 pounds N per tree for plums, and 10 pounds N per tree for pecans.

Pears: Apply 0.06 pound N (0.2 pound 34-0-0 or equivalent) per tree per year of age up to a maximum of 0.56 pound N per tree.

Apples: Apply 0.08 pound N (1/4 pound 34-0-0 or equivalent) per tree per year of age up to a maximum of 0.56 pounds N per tree.

Figs, grapes: apply 0.04 pound N (0.12 pound 34-0-0 or equivalent) per plant per year of age up to a maximum of 0.56 pounds per plant.

Blackberries: apply 1.0 to 1.3 pounds N (3 to 4 pounds 34-0-0 or equivalent) per 100 ft. of row in February and 0.5 To 0.7 pounds N (1.5 To 2 pounds 34-0-0 or equivalent) after harvest.

Blueberries: apply 0.02 pounds N (0.1 pounds ammonium sulfate) per plant per year of age up to a maximum of 0.14 pounds N per plant. Split into two applications—one in February and one in June or after harvest. Ammonium N sources are recommended for blueberries. Do not lime for blueberries.

Strawberries: apply 0.3 pounds N (1 pound 34-0-0 or equivalent) per 100 ft. of row in October.

Note: for plants not mentioned above use recommendations for plants with similar growth characteristics.

The number of samples processed in this report is: 3

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

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