



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:11/19/18

SOIL TEST RESULTS									RECOMMENDATIONS			
L A B No.	Sample Designation	Crop	Soil Group*	pH**	Phosphorus P***	Potassium K***	Magnesium Mg***	Calcium Ca***	LIME-STONE	N	P ₂ O ₅	K ₂ O
Pounds/Acre									Tons/Acre	Pounds/Acre		
01637	Garden See Comments 1,2,3,4	Vegetables	1	5.8	VH 157	M 114	H 178	H 962	0.0	120	0	120
01638	Pecan orchard See Final Remark See Comment 5	Pecans	2	5.4	H 82	H 123	H 106	H 661	1.5	- -	0	0

Comment No.1: Per 1,000 sq. ft. broadcast 4.6 pounds muriate of potash (2 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.2: 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.3: 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.4: 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.

Comment No.5: Apply P and K fertilizer as recommended above. For trees 20 years old or more, apply 6 to 8 pounds N (20 to 25 pounds 34-0-0 or equivalent) per tree or broadcast 100 pounds N per acre in August. For younger trees apply 0.34 pounds N (1.0 pounds 34-0-0 or equivalent) per tree per year of age. For trees 4 years old and older showing zinc deficiency, apply 10 pounds of zinc (Zn) (28 pounds 36 Percent zinc sulfate) per acre. In addition, apply 2 to 4 foliar sprays of 36 percent zinc sulfate at the rate of 2 pounds per 100 gallons of water during April and early May the first year after soil application. Thereafter, monitor Zn leaf levels by leaf analysis. For younger trees apply 0.10 pounds of Zn sulfate per tree per year of age. In irrigated orchards, banding the zinc in a narrow 4" wide band on top of emitter or microsprinkler wetted zones improves uptake. Full benefit from fertilization will not be obtained unless trees are irrigated and a good spray program for disease and insect control is followed.

The number of samples processed in this report is: 2

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

* 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.

Approved by: *Reuben B. Beverly*

Print Date: November 19, 2018

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