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:02/18/26

					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		
06675	Garden See Comment 1	Tomatoes	1	5.2	VH 115	H 135	H 41	M 302	1.0	120	0	0
	Garden See Comments 1,2,3,4,5,6	Vegetables	1	5.2	VH 115	H 135	H 41	M 302	1.0	120	0	60

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

Comment No.2: 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.3: 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.4: 1.0 Ton limestone per acre is approximately equivalent to 50 pounds per 1,000 sq. ft.

Comment No.5: 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.6: 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.

The number of samples processed in this report is: 1

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

* 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: Dr. Jessica L. Davis

Print Date: February 18, 2026