



# 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:12/17/19

				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 <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
					P***	K***	Mg***	Ca***				
					Pounds/Acre							
02929	Big garden See Comment 1	Cantaloupes	2	7.0	VH 121	M 159	H 170	H 1319	0.0	80	0	50
	Big garden See Comment 2	Tomatoes	2	7.0	VH 121	M 159	H 170	H 1319	0.0	120	0	80
	Big garden See Comments 3,4,5,6	Vegetables	2	7.0	VH 121	M 159	H 170	H 1319	0.0	120	0	120

Comment No.1: 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.2: All the P and K and up to ½ the N should be applied as a broadcast application prior to planting. Include 1 to 2 lb. boron (B) per acre with broadcast fertilizer. . Apply the remaining N as a sidedress when first fruits are set. If tomato is grown using plasticulture and fertigation, 80 to 160 lb. N per acre and up to 200 lb. K<sub>2</sub>O per acre may be applied in the irrigation system.

Comment No.3: 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.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: 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.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.

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<sub>c</sub>kg<sup>-1</sup>)

\* 2. Loams and Light clays (CEC = 4.6-9.0 cmol<sub>c</sub>kg<sup>-1</sup>)

\* 3. Clays and soils high in organic matter (CEC > 9.0 cmol<sub>c</sub>kg<sup>-1</sup>)

\* 4. Clays of the Blackbelt (CEC > 9.0 cmol<sub>c</sub>kg<sup>-1</sup>)

\*\* 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.