



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: 07/26/17

SOIL TEST RESULTS

LAB No.	Sender's Sample Designation	Crop	Soil Group*	pH**
22057	Future citrus orchard	Home Orchard	1	5.4
Recommendations for Home Orchard: Ground Agricultural Limestone = 1.0 tons/acre Fertilizer N-P ₂ O ₅ -K ₂ O = — -50-50 pounds/acre <div style="display: flex; justify-content: space-between;"> <div> <p>Soil pH = 5.4</p> <p>Phosphorus*** P = 19 lb/acre</p> <p>Potassium*** K = 145 lb/acre</p> <p>Magnesium*** Mg = 104 lb/acre</p> <p>Calcium*** Ca = 758 lb/acre</p> <p>See Final Remark</p> <p>See Comments 1,2,3,4</p> </div> <div> <p>Lab Result</p> </div> </div>				
Method of Analysis = Mehlich-1				

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

Comment No.2: Per 1,000 sq. ft. apply 8 pounds 0-14-14 or equivalent. Apply N for individual trees or plants as recommended below.

* 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:

Print Date: July 26, 2017

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Comment No.3: 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.

Comment No.4: 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 ($\text{CEC} < 4.6 \text{ cmol}_c\text{kg}^{-1}$)

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

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

* 4. Clays of the Blackbelt ($\text{CEC} > 9.0 \text{ cmol}_c\text{kg}^{-1}$)

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