



Report on Soil Test

Auburn University Soil Testing Laboratory



Auburn University, AL 36849-5411

Dennis Bangham

13505 Chaney Thompson Rd

Huntsville, AL 35803

County:Madison

District:1

Test Date:12/02/16

SOIL TEST RESULTS

LAB No.	Sender's Sample Designation	Crop	Soil Group*	pH**
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02041	Kiwi	Home Orchard	3	6.5
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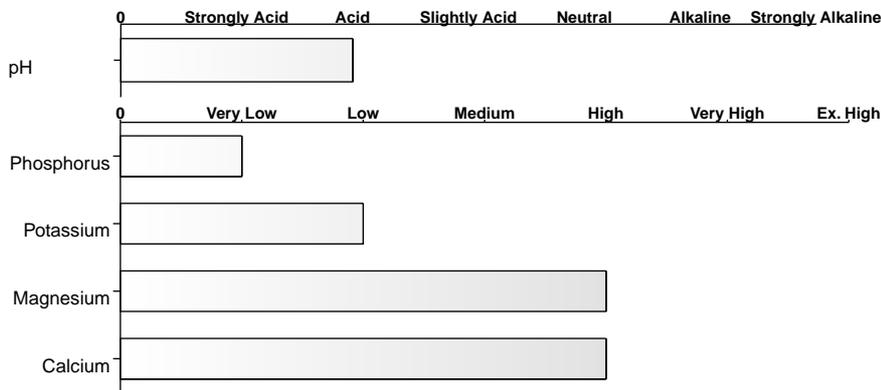
Recommendations for Home Orchard:

Ground Agricultural Limestone = 0.0 tons/acre

Fertilizer N-P₂O₅ -K₂O = — -50-50 pounds/acre

Lab Result

Soil pH = 6.5



Phosphorus*** P = 2 lb/acre

Potassium*** K = 111 lb/acre

Magnesium*** Mg = 215 lb/acre

Calcium*** Ca = 4468 lb/acre

See Final Remark

See Comments 1,2,3

Method of Analysis = Mehlich-1

* 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: *Gwen Huluka*



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LAB No.	Sender's Sample Designation	Crop	Soil Group*	pH**
02042	Strawberry	Strawberry	3	7.0
Recommendations for Strawberry:				
Ground Agricultural Limestone = 0.0 tons/acre				
Fertilizer N-P ₂ O ₅ -K ₂ O = 120-0-90 pounds/acre				
Lab Result				
Soil pH = 7.0				
Phosphorus***	P = 132 lb/acre	Phosphorus		
Potassium***	K = 182 lb/acre	Potassium		
Magnesium***	Mg = 375 lb/acre	Magnesium		
Calcium***	Ca = 8598 lb/acre	Calcium		
See Comment 4				
Method of Analysis = Mehlich-1				

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

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*** Extractable nutrients in pounds per acre

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Approved by: *Green Haluka*



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Comment No.2: 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.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: Matted Row System (established plantings): At renovation, just as soon as the plants stop fruiting apply 40 to 50 pounds N, apply 30 to 45 pounds N late August or early September. A 20-pound N topdressing in February may be useful in sandy soils.

Annual Hill Plasticulture System: Plants require about 150 pounds N for the entire production season with approximately one-third (about 50 pounds N) being applied dry pre-plant in the beds. The remaining two-thirds (approximately 100 pounds N) is supplied by injection through the drip irrigation system. About 50 to 100% of the K and all recommended P are applied pre-plant. K can be injected along with the N.

The number of samples processed in this report is: 2

For further information call your county agent: (256) 532-1578

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Approved by: