



SOIL TEST REPORT

Deborah K. Joines

Deborah K. Joines
Manager
Soil, Plant and Pest Center
5201 Marchant Drive
Nashville, TN 37211-5112
(615) 832-5850
soilplantpestcenter@utk.edu

Any Producer
120 Scenic Road

Any Town, USA

Water pH indicates the acidity of your soil. Most plants grow best at a Water pH between 6.1 and 6.5. If Water pH is too low, a lime recommendation will be given if your crop (or plant) desires a higher pH.

07

County: Henderson

Lab Number: 4959056

Mehlich 1 SOIL TEST RESULTS and RATINGS*

(Pounds Per Acre)

Sample	Water pH	Buffer Value	P Phosphorus	K Potassium	Ca Calcium	Mg Magnesium	Zn Zinc	Cu Copper
B1	5.8	7.7	28 M	190 H	1257 S	64 + S		

Actual laboratory test results from your soil sample reported in pounds per acre. Ratings to the right of each result are L (low), M (medium), H (high), and VH (very high). Secondary nutrients are rated S (sufficient) or D (deficient). Fertilizer recommendations are developed from this information.

Buffer Value is reported when the Water pH is too low or a lime recommendation is indicated. This value is a tool to help provide a lime recommendation suitable for your soil.

Organic Matter %
Soluble Salts PPM**

RECOMMENDATIONS

Fertilizer/Lime Application Rate and Timing

Fertilizer recommendations for the crop code you requested. These amounts are actual pounds of Nitrogen (N), Phosphate (P205) and Potash (K20) per acre.

B1 Hybrid Bermudagrass Hay - Maintenance

N / P₂O₅ / K₂O

Nitrogen/Phosphate/Potash: 120-400 / 40-80 / 40-80 pounds per acre

Limestone: 2 tons per acre

The rate of nitrogen topdressing depends on the need for forage. Apply 60 to 100 pounds of the nitrogen May 1 and again after each cutting when conditions favor regrowth. Four cuttings are often possible. If the higher rates of nitrogen are used, use the higher rates of Limestone is recommended in tons per acre or pounds per square feet. The recommendation is ground agricultural limestone or dolomitic (pelleted) lime.

When nitrogen sources containing urea are applied to moist soils followed by three or more days of rapid drying conditions without rainfall, some loss of nitrogen may occur if applied to moist soils followed by three or more days of rapidly drying conditions without rainfall.

Apply recommended amounts of phosphate and potash in one application any time during the year.

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Mehlich 1 SOIL TEST RESULTS and RATINGS*

(Pounds Per Acre)

Sample	Water pH	Buffer Value	P Phosphorus	K Potassium	Ca Calcium	Mg Magnesium	Zn Zinc	Cu Copper	Fe Iron	Mn Manganese	B Boron	Na Sodium
C1	6.5		20 M	81 L	1280 + S	64 + S						

*Ratings: Indicates relative availability of nutrients to plants. (See back of this form for detailed explanation.)

**PPM = Parts per Million

If you have questions about these recommendations, contact your County Extension office.

Visit our web site at <http://soilplantandpest.utk.edu> for additional information.

RECOMMENDATIONS	
Sample Number	Fertilizer/Lime Application Rate and Ti

C1 **Vegetable Garden**

N / P₂O₅ / K₂O

Nitrogen/Phosphate/Potash: - / - / - pounds per 1,000 square feet

Limestone: ← Lime is not recommended at this time

Broadcast 25 lbs. 6-12-12 per 1000 sq. ft. before planting.

Apply as a sidedressing 1-1.5 lbs. of ammonium nitrate(34-0-0)per 100 ft. row as follows: cucumbers, cantaloupe, pumpkins, squash and watermelon when vines are 1 foot long; tomatoes, pepper and eggplant when first fruits are 1 inch or more in diameter; sweet corn when 12-18 inches tall; okra after first picking; lettuce 3-4 weeks after seeding; broccoli, cabbage, cauliflower and brussel sprouts 3-4 weeks after transplanting. For turnip greens, spinach, collards, kale and mustard use 2-3 lbs. per 100 ft. row.

Lime and fertilizer recommendations for smaller areas (less than acres) are given in pounds per square feet. This the amount and type of fertilizer recommended to optimize your soil for growing a vegetable garden in this case.

Notes provide more detailed advise such as timing and additional fertilizer applications.

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