UNIVERSITY OF GEORGIA
EXTENSION

**Soil, Plant, and Water Laboratory**
2400 College Station Road
Athens, Georgia 30602-9105
Website: http://aesl.ces.uga.edu

# Soil Test Report

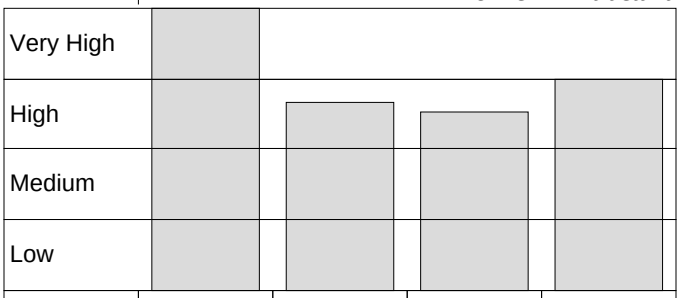
(CEC/CEA Signature)

## Sample ID

| | | |
|---|---|---|
| ***ation*** [redacted] | ***Lab I ion*** | ***County Information*** |
| Sample: Pasture<br>Crop: Bahia Grass Pasture | Lab [redacted]<br>Received: Oct 31, 2024<br>Completed: Nov 1, 2024<br>Tests: S1 | **Monroe County**<br>P O Box 70<br>Forsyth, GA 31029<br>phone: 478-994-7014<br>e-mail: uge2207@uga.edu |

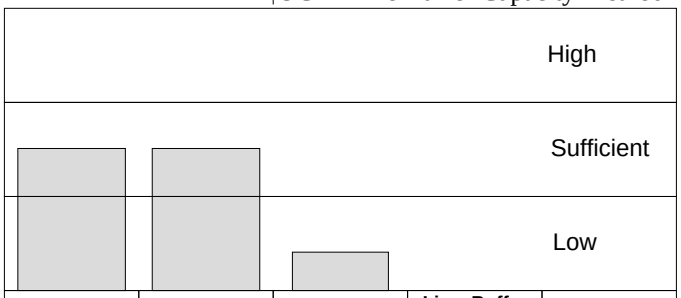
## Results

Mehlich I Extractant




| | Phosphorus (P) | Potassium (K) | Calcium (Ca) | Magnesium (Mg) |
|---|---|---|---|---|
| Soil Test Index | 133 lbs/Acre | 299 lbs/Acre | 1514 lbs/Acre | 207 lbs/Acre |

UGA Lime Buffer Capacity Method*




| | Zinc (Zn) | Manganese (Mn) | pH * | Lime Buffer Capacity (LBC) | |
|---|---|---|---|---|---|
| Soil Test Index | 18 lbs/Acre | 65 lbs/Acre | 5.7 | 445 | **Soil Test Index** |

## Recommendations

Can't find a specific grade of fertilizer? Try our Fertilizer Calculator: http://aesl.ces.uga.edu/soil/fertcalc/

| Limestone Target pH: 6.0 (Recommended) | Limestone Target pH: 6.5 | Nitrogen (N) | Phosphate ($P_2O_5$) | Potash ($K_2O$) | Sulfur (S) | Boron (B) | Manganese (Mn) | Zinc (Zn) |
|---|---|---|---|---|---|---|---|---|
| **0.75 tons/Acre** | **2 tons/Acre** | **75-175 lbs/Acre** | **0 lbs/Acre** | **0 lbs/Acre** | **--** | **--** | **--** | **--** |

A target pH of 6.0 is recommended for most Agronomic crops. However, a lime recommendation for pH 6.5 is also provided on this soil test report. Liming to pH 6.5 helps reduce low pH areas in highly variable fields.

*For information on how the Soil, Plant, and Water Laboratory measures and reports pH and makes lime recommendations, see http://aesl.ces.uga.edu/soil/SoilpH.html

*For pastures not intensively grazed apply 75 to 125 pounds nitrogen per acre. For intensively grazed pastures apply 125 to 175 pounds nitrogen per acre.

If excess forage is common under grazing conditions, split the pasture in half and apply nitrogen to only one section in early April, and to the remaining apply nitrogen in July or August, dependent upon the amount of forage that will be utilized.

If no phosphate ($P_2O_5$) or potash ($K_2O$) is recommended and none is applied, sample soil again next year.

NOTE: The amount of nitrogen (N), phosphate ($P_2O_5$), and potash ($K_2O$) actually applied may deviate 10 pounds per acre from that recommended without appreciably affecting yields.

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The University of Georgia and Fort Valley State University, the U.S. Department of Agriculture and counties of the state cooperating.
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## Sample ID

| | | |
|---|---|---|
| ***ation*** [redacted] | ***Lab I ion*** | ***County Information*** |
| Sample: Pasture | Lab [redacted] | **Monroe County** |
| Crop: Small Grain - Rye for Seed Production or Cover Crop | Received: Oct 31, 2024 | P O Box 70 |
| | Completed: Nov 1, 2024 | Forsyth, GA 31029 |
| | Tests: S1 | phone: 478-994-7014 |
| | | e-mail: uge2207@uga.edu |

## Results

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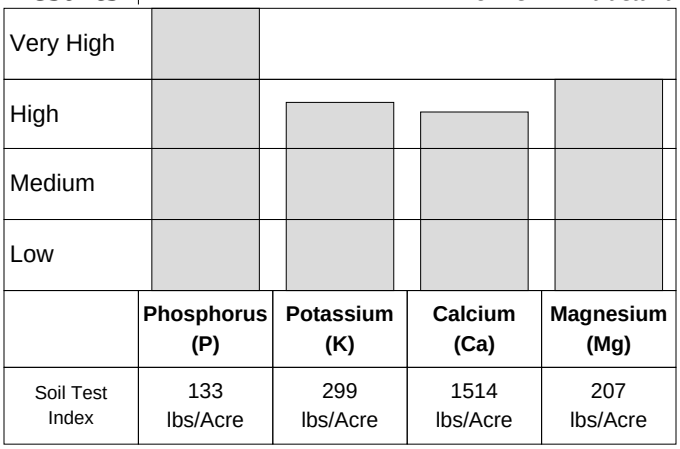


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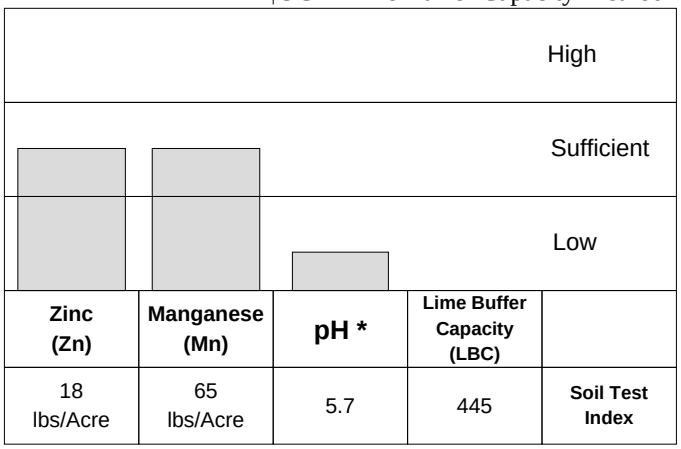


| Zinc (Zn) | Manganese (Mn) | pH * | Lime Buffer Capacity (LBC) | Soil Test Index |
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| Limestone Target pH: 6.0 (Recommended) | Limestone Target pH: 6.5 | Nitrogen (N) | Phosphate ($P_2O_5$) | Potash ($K_2O$) | Sulfur (S) | Boron (B) | Manganese (Mn) | Zinc (Zn) |
|---|---|---|---|---|---|---|---|---|
| 0.75 tons/Acre | 2 tons/Acre | 40-60 lbs/Acre | 0 lbs/Acre | 0 lbs/Acre | -- | -- | -- | -- |

A target pH of 6.0 is recommended for most Agronomic crops. However, a lime recommendation for pH 6.5 is also provided on this soil test report. Liming to pH 6.5 helps reduce low pH areas in highly variable fields.

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For rye for seed following a legume, apply 40 pounds nitrogen per acre; for rye for seed following cotton, corn, etc., apply 60 pounds nitrogen per acre. If following a legume, no nitrogen need be applied in the Fall. If following a non-legume, apply 20 pounds of the recommended nitrogen per acre in the fall and the remainder in February.

If no phosphate ($P_2O_5$) or potash ($K_2O$) is recommended and none is applied, sample soil again next year.

NOTE: The amount of nitrogen (N), phosphate ($P_2O_5$), and potash ($K_2O$) actually applied may deviate 10 pounds per acre from that recommended without appreciably affecting yields.

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