Soil Analysis Report

Soil, Water and Forage Testing Laboratory
Department of Soil and Crop Sciences
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Visit our website: http://soiltesting.tamu.edu

Report generated for:

[redacted]

Sample received on: 1/22/2025
Printed on: 2/3/2025
Area Represented: 15 acres

Lavaca County
Laboratory Number: [redacted]
Customer Sample ID: 1
Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)

Analysis	Results	CL*	Units	ExLow VLow Low Mod High VHigh Excess.	Nutrient Recommended
pH	5.3	(5.8)	-	Strongly Acid	
Conductivity	20	(-)	umho/cm	None	
Nitrate-N	2	(-)	ppm**		95 lbs N/acre
Phosphorus	54	(50)	ppm		0 lbs P2O5/acre
Potassium	48	(150)	ppm		165 lbs K20/acre
Calcium	298	(180)	ppm		0 lbs Ca/acre
Magnesium	33	(50)	ppm		10 lbs Mg/acre
Sulfur	10	(13)	ppm		5 lbs S/acre
Sodium	18	(-)	ppm		
Iron	102.00	(4.25)	ppm		
Zinc	1.82	(0.27)	ppm		0 lbs Zn/acre
Manganese	11.40	(1.00)	ppm		0 lbs Mn/acre
Copper	0.14	(0.16)	ppm		0.5 lbs Cu/acre
Boron	0.27	(1.30)	ppm		1 lbs B/acre
Limestone Requirement					0.25 tons 100ECCE/acre

*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. **ppm=mg/kg

Limestone recommendations are based on 100 ECCE liming products. Limestone applications >3 tons/acre should be made >4 months prior to crop establishment to lessen micro-nutrient availability issues.

Nitrogen: Apply an additional 100 lbs/A of nitrogen for each subsequent hay cuttings.

Potassium: Split apply potassium fertilizer if recommendation is for more than 75 lbs K2O per acre.

Sulfur: Available sulfur may be found deeper in soil profile, thus limiting any response to added sulfur.

Copper: Limited supporting research data is currently available.

Boron: Deep rooted perennial crops may not respond due to deeper profile boron.

Online fertilizer calculators to determine appropriate fertilizers and application rates.
http://soiltesting.tamu.edu

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, S and B/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP.