



# 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:  
 Henry Thomas  
 Taylor's Gift Farm  
 183 CR 4309  
 DE KALB, TX 75559

Sample received on: 8/21/2023

Printed on: 8/25/2023

Area Represented: 10 acres

Bowie County  
 Laboratory Number: 638255  
 Customer Sample ID: North

Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (1 HAY CUTTING PLUS GRAZING)

Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.		
pH	4.4	(5.8)	-	Strongly Acid								
Conductivity	89	(-)	umho/cm	None							CL*	Fertilizer Recommended
Nitrate-N	1	(-)	ppm**									95 lbs N/acre
Phosphorus	20	(50)	ppm									40 lbs P2O5/acre
Potassium	18	(150)	ppm									130 lbs K2O/acre
Calcium	273	(180)	ppm									0 lbs Ca/acre
Magnesium	23	(50)	ppm									10 lbs Mg/acre
Sulfur	9	(13)	ppm									5 lbs S/acre
Sodium	3	(-)	ppm									
Iron	40.74	(4.25)	ppm									
Zinc	1.03	(0.27)	ppm									0 lbs Zn/acre
Manganese	7.77	(1.00)	ppm									0 lbs Mn/acre
Copper	0.20	(0.16)	ppm									0 lbs Cu/acre
Boron												
Limestone Requirement										0.35 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 70 lbs/A of nitrogen for each subsequent heavy graze down.

**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.

New online fertilizer calculators have been placed on the laboratory's website to determine appropriate fertilizers to purchase and determine their application rates.  
<http://soiltesting.tamu.edu/webpages/calculator.html>