Soil Analysis Report

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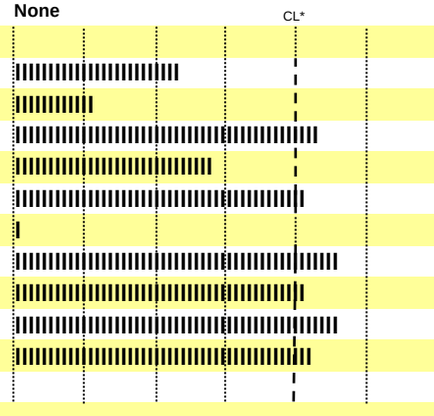
Visit our website: http://soiltesting.tamu.edu

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: 50 acres
SWFTL recommends <40 acres/sample

Bowie County
Laboratory Number: 638253
Customer Sample ID: 50East
Crop Grown: IMPROVED AND HYBRID BERMUDA GRASS (1 HAY CUTTING PLUS GRAZING)

Analysis	Results	CL*	Units	ExLow VLow Low Mod High VHigh Excess.	Fertilizer Recommended
pH	**5.6**	(5.8)	-	**Mod. Acid**	
Conductivity	**95**	(-)	umho/cm	**None**	
Nitrate-N	**1**	(-)	ppm**		**95** lbs N/acre
Phosphorus	**14**	(50)	ppm		**50** lbs P2O5/acre
Potassium	**18**	(150)	ppm		**130** lbs K20/acre
Calcium	**1,553**	(180)	ppm		**0** lbs Ca/acre
Magnesium	**32**	(50)	ppm		**10** lbs Mg/acre
Sulfur	**14**	(13)	ppm		**0** lbs S/acre
Sodium	**5**	(-)	ppm		
Iron	**12.54**	(4.25)	ppm		
Zinc	**0.30**	(0.27)	ppm		**0** lbs Zn/acre
Manganese	**3.48**	(1.00)	ppm		**0** lbs Mn/acre
Copper	**0.23**	(0.16)	ppm		**0** lbs Cu/acre
Boron					
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 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.

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

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