TEXAS A&M AGRILIFE EXTENSION

Soil Analysis Report

Soil, Water and Forage Testing Laboratory
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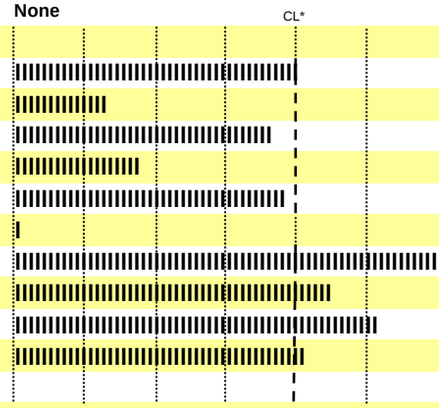
Report generated for:
[redacted]

Sample received on: 3/1/2023
Printed on: 3/13/2023
Area Represented: 20 acres

Lavaca County
Laboratory Number: [redacted]
Customer Sample ID: [redacted]
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.	Fertilizer Recommended
pH	4.5	(5.8)	-	Strongly Acid	
Conductivity	15	(-)	umho/cm	None	
Nitrate-N	1	(-)	ppm**		95 lbs N/acre
Phosphorus	48	(50)	ppm		0 lbs P2O5/acre
Potassium	23	(150)	ppm		210 lbs K20/acre
Calcium	152	(180)	ppm		120 lbs Ca/acre
Magnesium	19	(50)	ppm		15 lbs Mg/acre
Sulfur	12	(13)	ppm		5 lbs S/acre
Sodium	6	(-)	ppm		
Iron	159.58	(4.25)	ppm		
Zinc	0.76	(0.27)	ppm		0 lbs Zn/acre
Manganese	8.98	(1.00)	ppm		0 lbs Mn/acre
Copper	0.19	(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 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.

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.