PASTURE SOIL RESULTS

AgSource LABORATORIES

Submitted By: **BN88888**
Joe Smith

Submitted For:
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Laboratory Sample #
CX57698
(2024)-8367-39

Date Received
14-Aug

Date Reported
15-Aug

Information Sheet #
TEST_20200923

Sample ID Test39 **Recommendation For:** Past_grass_hay **SamplesStored Until** 29-Aug

Soil Submission Results

Element	Your Results		Ideal Range	Low	Optimum	High
pH	5.7		6.5 - 7.3			
Nitrate Nitrogen NO_3-N	3.8	ppm	5.8 - 11.6			
Phosphorus (P)	11	ppm	16 - 21			
Potassium (K)	134	ppm	161 - 201			
Organic Matter	2.2	%	2.5 - 4.5			
Calcium (Ca)	59.1	%	65 - 76			
Magnesium (Mg)	18.7	%	15 - 21			
Cation Exchange Capacity	9.1	meq/100g				

Your Annual Nutrient Needs in Lbs/Acre

Lime	Nitrogen, N	Phosphorus, P_2O_5	Potassium, K_2O
176	145.0	75.0	200.0

Comments:

- Plant food recommendations are for the entire growing season being presently grown.
- Lime is recommended only when the soil pH is below the target pH for the crop being grown. The recommendation is for 100% effective (CCE) lime.
- Lime recommendations are designed to achieve a slightly acidic soil pH between 6.0 and 6.9, as appropriate for the crop being grown.
- Recommendations for P and K are written to build nutrient levels to optimum range and replace nutrients removed by grazing.
- Recommended rates are the total amount of nutrients to apply (N-P2O5-K2O) including starter fertilizer.
- This soil should be monitored closely because it has a relatively low buffering capacity (CEC). Retest every two years.
- For best results lime should be mixed into the soil to a depth of 4 - 6 inches. If surface applying, consider using pelletized lime at 1/3 rate each year.
- If lime has been applied in the last two years more lime may not be needed due to incomplete reaction. Test again in 1 or 2 years.
- Applying the recommended lime will correct the "low" Ca and adjust the soil pH.

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