

HOLMES LABORATORY INC.  
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SOIL  
 ANALYSIS REPORT  
 [Quality Testing Since 1978]  
 (330) 893-2933 \* www.holmeslab.com  
 Test Performed : A

Customer : Groeschl Ag

Date Reported : 12/12/2023

Groeschl Ag Service-A.Groeschl  
 10271 N. County Rd. K  
 Hayward, WI 54843

Lab Number : 23-6000  
 Sample ID: SOIL  
 Naylor East

Item	Units	Test Results	Comments
pH		6.0	
Lime Test Index		67	
Organic Matter	%	3.1	
Phosphorus (P1)	lb/a	37	
Potassium (K)	lb/a	71	Use High Calcium Lime that contains about 38% Calcium and 1% Magnesium. Apply the required amount once, anytime.
Magnesium (Mg)	lb/a	490	
Calcium (Ca)	lb/a	1678	
Sodium (Na)	lb/a	255	
Soluble Salts (EC)	mmho/cm		
Cation Exchange Capacity (CEC)	meq/100g	10.5	
Base Saturation	%	66	
Potassium (K)	%	.9	
Magnesium (Mg)	%	19.5	
Calcium (Ca)	%	40.0	
Sodium (Na)	%	5.2	
Hydrogen (H)	%	34.4	
Sulfur (SO4)	lb/a		
Zinc (Zn)	lb/a		
Manganese (Mn)	lb/a		
Iron (Fe)	lb/a		
Copper (Cu)	lb/a		
Boron (B)	lb/a		
Ca to Mg Ratio		2.1	
Mg to K Ratio		22.4	
Nitrate-Nitrogen (NO3-N)	lb/a		

\*\*\* Retest every year at the same time and depth \*\*\*

Lime and Fertilizer Recommendations

Lime Needed = 1.7 tons/acre  
 Lime requirements are to bring your soil pH to the ideal level. (See Comments Above for what type of lime to apply)

For Crop: Hay  
 Yield Goal: 4 tons/ac  
 Actual Units Of Fertilizer Needed For This Crop Growing Year

Nitrogen (N)	58	lbs/acre
Phosphate(P2O5)	79	lbs/acre
Potash (K2O)	150	lbs/acre
Magnesium (Mg)	0	lbs/acre

Note : See your local Ag Supplier for assistance with what type of fertilizer to use.

Apply 1/2 of fertilizer after 1st cutting and the other 1/2 after the 2nd cutting.

Thank You for allowing us to serve you.