

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

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

Date Reported : 04/17/2020  
Lab Number : 20-3480  
Sample ID: SOIL  
Andy Small

Item	Units	Test Results	Comments
pH		6.1	
Lime Test Index		68	
Organic Matter	%	3.0	
Phosphorus (P1)	lb/a	61	
Potassium (K)	lb/a	173	Use High Magnesium Lime that
Magnesium (Mg)	lb/a	153	contains about 12% Magnesium
Calcium (Ca)	lb/a	1923	and 20% Calcium. Apply the
Sodium (Na)	lb/a	128	required amount once, anytime.
Soluble Salts (EC)	mmho/cm		
Cation Exchange Capacity (CEC)	meq/100g	8.4	
Base Saturation	%	71	
Potassium (K)	%	2.7	
Magnesium (Mg)	%	7.6	
Calcium (Ca)	%	57.6	
Sodium (Na)	%	3.3	
Hydrogen (H)	%	28.7	
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		7.5	
Mg to K Ratio		2.9	
Nitrate-Nitrogen (NO3-N)	lb/a		

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

#### Lime and Fertilizer Recommendations

Lime Needed = 1.1 tons/acre  
For Crop: Hay  
Yield Goal: 3 tons/ac  
Actual Units Of Fertilizer Needed For This Crop Growing Year

Lime requirements are to bring your soil pH to the ideal level. (See Comments Above for what type of lime to apply)

Nitrogen (N) 25 lbs/acre  
Phosphate(P2O5) 41 lbs/acre  
Potash (K2O) 94 lbs/acre  
Magnesium (Mg) 89 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.