

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 : 04/17/2020

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

Lab Number : 20-3474  
 Sample ID: SOIL  
 Tremblay Middle

Item	Units	Test Results	Comments
pH		5.3	
Lime Test Index		68	
Organic Matter	%	2.6	
Phosphorus	(P1) lb/a	37	
Potassium	(K) lb/a	71	Use High Calcium Lime that
Magnesium	(Mg) lb/a	224	contains about 38% Calcium
Calcium	(Ca) lb/a	1239	and 1% Magnesium. Apply the
Sodium	(Na) lb/a	107	required amount once, anytime.
Soluble Salts	(EC) mmho/cm		
Cation Exchange			
Capacity (CEC)	meq/100g	6.8	
Base Saturation	%	64	
Potassium	(K) %	1.3	
Magnesium	(Mg) %	13.8	
Calcium	(Ca) %	45.9	
Sodium	(Na) %	3.4	
Hydrogen	(H) %	35.6	
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		3.3	
Mg to K Ratio		10.3	
Nitrate-Nitrogen (NO3-N)	lb/a		

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

#### Lime and Fertilizer Recommendations

Lime Needed = 1 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: 3 tons/ac  
 Actual Units Of Fertilizer Needed For This Crop Growing Year

Nitrogen (N) 35 lbs/acre  
 Phosphate(P2O5) 65 lbs/acre  
 Potash (K2O) 145 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.