

HOLMES LABORATORY INC.  
 3559 US 62  
 Millersburg, OH 44654  
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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 : 23-5992  
 Sample ID: SOIL  
 Andy Shed

Item	Units	Test Results	Comments
pH		6.0	
Lime Test Index		65	
Organic Matter	%	2.8	
Phosphorus	(P1) lb/a	115	
Potassium	(K) lb/a	173	Use High Calcium Lime that contains about 38% Calcium and 1% Magnesium. Apply the required amount once, anytime.
Magnesium	(Mg) lb/a	388	
Calcium	(Ca) lb/a	1964	
Sodium	(Na) lb/a	189	
Soluble Salts	(EC) mmho/cm		
Cation Exchange Capacity (CEC)	meq/100g	13.2	
Base Saturation	%	54	
Potassium	(K) %	1.7	
Magnesium	(Mg) %	12.3	
Calcium	(Ca) %	37.3	
Sodium	(Na) %	3.1	
Hydrogen	(H) %	45.6	
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		3.0	
Mg to K Ratio		7.3	
Nitrate-Nitrogen (NO3-N)	lb/a		

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

Lime and Fertilizer Recommendations

Lime Needed = 2.3 tons/acre  
 For Crop: Hay  
 Yield Goal: 4 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)	65	lbs/acre
Phosphate(P2O5)	28	lbs/acre
Potash (K2O)	132	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.