

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 : 09/27/2023

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

Lab Number : 23-5917
 Sample ID: SOIL
 Barthel

Item	Units	Test Results	Comments
pH		6.4	
Lime Test Index		69	
Organic Matter	%	2.6	
Phosphorus	(P1) lb/a	34	
Potassium	(K) lb/a	97	
Magnesium	(Mg) lb/a	332	
Calcium	(Ca) lb/a	1448	
Sodium	(Na) lb/a	97	
Soluble Salts	(EC) mmho/cm		
Cation Exchange			
Capacity (CEC)	meq/100g	6.5	
Base Saturation	%	82	
Potassium	(K) %	1.9	
Magnesium	(Mg) %	21.2	
Calcium	(Ca) %	55.4	
Sodium	(Na) %	3.2	
Hydrogen	(H) %	18.3	
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		2.6	
Mg to K Ratio		11.1	
Nitrate-Nitrogen (NO3-N)	lb/a		

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

Lime and Fertilizer Recommendations

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

Gypsum addition will increase your soil Calcium Base Saturation. Gypsum (24% Ca & 18% S), will not increase the pH.

Nitrogen (N) 70 lbs/acre
 Phosphate(P2O5) 82 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.