

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 : 23-6003
 Sample ID: SOIL
 Hansen

Item	Units	Test Results	Comments
pH		5.9	
Lime Test Index		66	
Organic Matter	%	2.9	
Phosphorus	(P1) lb/a	26	
Potassium	(K) lb/a	158	Use High Calcium Lime that contains about 38% Calcium and 1% Magnesium. Apply the required amount once, anytime.
Magnesium	(Mg) lb/a	449	
Calcium	(Ca) lb/a	1474	
Sodium	(Na) lb/a	184	
Soluble Salts	(EC) mmho/cm		
Cation Exchange Capacity (CEC)	meq/100g	11.0	
Base Saturation	%	56	
Potassium	(K) %	1.8	
Magnesium	(Mg) %	17.1	
Calcium	(Ca) %	33.6	
Sodium	(Na) %	3.6	
Hydrogen	(H) %	43.8	
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		2.0	
Mg to K Ratio		9.2	
Nitrate-Nitrogen (NO3-N)	lb/a		

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

Lime and Fertilizer Recommendations

Lime Needed = 2.2 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) 63 lbs/acre
 Phosphate(P2O5) 90 lbs/acre
 Potash (K2O) 136 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.