

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 : 23-6001
 Sample ID: SOIL
 Naylor NW

Item	Units	Test Results	Comments
pH		5.5	
Lime Test Index		64	
Organic Matter	%	2.9	
Phosphorus	(P1) lb/a	27	
Potassium	(K) lb/a	92	Apply 1/2 of the required Lime
Magnesium	(Mg) lb/a	306	this Fall High Calcium
Calcium	(Ca) lb/a	1275	Lime that contains about 38%
Sodium	(Na) lb/a	189	Calcium. Also apply 2nd 1/2 of
Soluble Salts	(EC) mmho/cm		required High Calcium Lime in
Cation Exchange			the Spring.
Capacity (CEC)	meq/100g	12.2	
Base Saturation	%	41	
Potassium	(K) %	1.0	
Magnesium	(Mg) %	10.5	
Calcium	(Ca) %	26.1	
Sodium	(Na) %	3.3	
Hydrogen	(H) %	59.1	
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		2.5	
Mg to K Ratio		10.8	
Nitrate-Nitrogen (NO3-N)	lb/a		

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

Lime and Fertilizer Recommendations

Lime Needed = 4 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: 4 tons/ac
 Actual Units Of Fertilizer Needed For This Crop Growing Year

Nitrogen (N)	63	lbs/acre
Phosphate(P2O5)	89	lbs/acre
Potash (K2O)	150	lbs/acre
Magnesium (Mg)	45	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.