

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

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

Date Reported : 04/17/2020
 Lab Number : 20-3479
 Sample ID: SOIL
 Andy New

Item	Units	Test Results	Comments
pH		5.5	
Lime Test Index		63	
Organic Matter	%	3.0	
Phosphorus (P1)	lb/a	112	
Potassium (K)	lb/a	143	Apply 1/2 of the required Lime
Magnesium (Mg)	lb/a	122	this Spring of High Magnesium
Calcium (Ca)	lb/a	1030	Lime that contains about 12%
Sodium (Na)	lb/a	138	Magnesium. Also apply 1/2 of
Soluble Salts (EC)	mmho/cm		the required Lime next Fall
Cation Exchange Capacity (CEC)	meq/100g	12.0	of High Calcium Lime that
Base Saturation	%	30	contains about 38% Calcium.
Potassium (K)	%	1.5	
Magnesium (Mg)	%	4.2	
Calcium (Ca)	%	21.5	
Sodium (Na)	%	2.5	
Hydrogen (H)	%	70.2	
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		5.1	
Mg to K Ratio		2.8	
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: 3 tons/ac
 Actual Units Of Fertilizer Needed For This Crop Growing Year

Nitrogen (N) 25 lbs/acre
 Phosphate(P2O5) 21 lbs/acre
 Potash (K2O) 133 lbs/acre
 Magnesium (Mg) 224 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.