

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 : 05/02/2019

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

Lab Number : 19-2739
 Sample ID: SOIL
 Tremblay West

Item	Units	Test Results	Comments
pH		5.9	
Lime Test Index		67	
Organic Matter	%	2.6	
Phosphorus	(P1) lb/a	79	
Potassium	(K) lb/a	122	Use High Calcium Lime that contains about 38% Calcium and 1% Magnesium. Apply the required amount once, anytime.
Magnesium	(Mg) lb/a	265	
Calcium	(Ca) lb/a	1295	
Sodium	(Na) lb/a	255	
Soluble Salts	(EC) mmho/cm		
Cation Exchange Capacity (CEC)	meq/100g	8.7	
Base Saturation	%	58	
Potassium	(K) %	1.8	
Magnesium	(Mg) %	12.8	
Calcium	(Ca) %	37.4	
Sodium	(Na) %	6.3	
Hydrogen	(H) %	41.6	
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		2.9	
Mg to K Ratio		7.1	
Nitrate-Nitrogen (NO3-N)	lb/a		

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

Lime and Fertilizer Recommendations

Lime Needed = 1.5 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: Orchard Grass
 Yield Goal: 3 tons/ac
 Actual Units Of Fertilizer Needed For This Crop Growing Year

Nitrogen (N)	35	lbs/acre
Phosphate(P2O5)	23	lbs/acre
Potash (K2O)	119	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.