

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 : 05/02/2019
Lab Number : 19-2743
Sample ID: SOIL
Andy Big

Item	Units	Test Results	Comments
pH		6.3	
Lime Test Index		69	
Organic Matter	%	2.9	
Phosphorus (P1)	lb/a	92	
Potassium (K)	lb/a	148	
Magnesium (Mg)	lb/a	179	
Calcium (Ca)	lb/a	1892	
Sodium (Na)	lb/a	245	
Soluble Salts (EC)	mmho/cm		
Cation Exchange Capacity (CEC)	meq/100g	7.4	
Base Saturation	%	84	
Potassium (K)	%	2.6	
Magnesium (Mg)	%	10.1	
Calcium (Ca)	%	63.9	
Sodium (Na)	%	7.0	
Hydrogen (H)	%	16.2	
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		6.3	
Mg to K Ratio		3.9	
Nitrate-Nitrogen (NO3-N)	lb/a		

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

Lime and Fertilizer Recommendations

Lime Needed = 0 tons/acre

For Crop: Orchard Grass
Yield Goal: 3 tons/ac

Actual Units Of Fertilizer Needed For This Crop Growing Year

Nitrogen (N)	28	lbs/acre
Phosphate(P2O5)	21	lbs/acre
Potash (K2O)	106	lbs/acre
Magnesium (Mg)	34	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.