

HOLMES LABORATORY INC.  
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SOIL  
ANALYSIS REPORT  
[A Vital Key to Today's Agriculture]  
(330) 893-2933 \* www.holmeslab.com  
Test Performed : A

Customer : Andy Groeschl

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

Date Reported : 04/27/2017  
Lab Number : 17-3994  
Sample ID: SOIL  
Andy Small

Item	Units	Test Results	Comments
pH		7.4	
Lime Test Index		70	
Organic Matter	%	2.7	
Phosphorus (P1)	lb/a	53	
Potassium (K)	lb/a	326	
Magnesium (Mg)	lb/a	133	
Calcium (Ca)	lb/a	3346	
Sodium (Na)	lb/a	5	
Soluble Salts (EC)	mmho/cm		
Cation Exchange Capacity (CEC)	meq/100g	9.4	
Base Saturation	%	100	
Potassium (K)	%	4.5	
Magnesium (Mg)	%	5.9	
Calcium (Ca)	%	89.5	
Sodium (Na)	%	.1	
Hydrogen (H)	%	.0	
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		15.1	
Mg to K Ratio		1.3	
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: Hay  
Yield Goal: 3 tons/ac  
Actual Units Of Fertilizer Needed For This Crop Growing Year

Nitrogen (N)	33	lbs/acre
Phosphate(P2O5)	49	lbs/acre
Potash (K2O)	0	lbs/acre
Magnesium (Mg)	138	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.