

HOLMES LABORATORY INC.  
 3559 US 62  
 Millersburg, OH 44654

FORAGE/FEEDSTUFF  
 ANALYSIS REPORT  
 [A Vital Key to Today's Agriculture]  
 (330) 893-2933 \* www.holmeslab.com  
 Test Performed: 9

Customer: Groeschl Ag

Groeschl Ag Service-A.Groeschl  
 13920 W State Rd.77  
 Hayward, WI 54843

Date Reported: 10/13/2015  
 Lab Number: 15-3616  
 SAMPLE I.D.: Grass Hay  
 Tremblay Middle 3rd

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	14.00	
Dry Matter	%	86.00	
Crude Protein	%	9.17	10.66
Available Protein	%	8.71	10.13
Adjusted Crude Protein	%	9.17	10.66
A.D.F. Protein	%	.46	.53
N.D.F. Protein	%	3.00	3.49
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	3.37	3.92
Acid Detergent Fiber	%	29.03	33.76
Neutral Detergent Fiber	%	52.29	60.80
NFC (Non-Fiber Carbohydrate)	%	17.43	20.27
Sugar	%		
Starch	%		
NSC = Starch + Sugar	%		
Crude Fat	%	2.72	3.16
TDN	%	52.89	61.50
NEl	Mcal/lb.	.541	.629
NEm	Mcal/lb.	.530	.616
NEg	Mcal/lb.	.304	.354
Ash	%	7.04	8.19
Lignin Insoluble Ash	%	.89	1.03
Calcium (Ca)	%	.38	.44
Phosphorus (P)	%	.23	.27
Magnesium (Mg)	%	.21	.24
Potassium (K)	%	2.06	2.39
Sulfur (S)	%	.34	.39
Sodium (Na)	%	.058	.068
Chloride (Cl)	%		
Copper (Cu)	ppm	4	5
Manganese (Mn)	ppm	124	144
Zinc (Zn)	ppm	13	15
Iron (Fe)	ppm	32	37
Molybdenum (Mo)	ppm		
Aluminum (Al)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			96
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		