

HOLMES LABORATORY INC.  
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FORAGE/FEEDSTUFF  
 ANALYSIS REPORT  
 [Quality Testing Since 1978]  
 (330) 893-2933 \* www.holmeslab.com  
 Test Performed: 9QW

Customer: Groeschl Ag

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

Date Reported: 04/24/2020  
 Lab Number: 20-338  
 SAMPLE I.D.: Grass Hay  
 3rd Crop

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	14.37	
Dry Matter	%	85.63	
Crude Protein	%	15.07	17.60
Available Protein	%	14.02	16.37
Adjusted Crude Protein	%	15.07	17.60
A.D.F. Protein	%	1.05	1.23
N.D.F. Protein	%	4.79	5.59
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	5.79	6.76
Acid Detergent Fiber	%	33.69	39.34
Neutral Detergent Fiber	%	48.92	57.13
NFC (Non-Fiber Carbohydrate)	%	15.65	18.28
Sugar	%	7.90	9.22
Starch	%	.70	.82
NSC = Starch + Sugar	%	8.60	10.04
Crude Fat	%	2.42	2.83
TDN	%	48.39	56.51
NEl	Mcal/lb.	.491	.573
NEm	Mcal/lb.	.463	.541
NEg	Mcal/lb.	.244	.285
Ash	%	8.03	9.38
Lignin Insoluble Ash	%	2.28	2.66
Calcium (Ca)	%	.35	.41
Phosphorus (P)	%	.15	.17
Magnesium (Mg)	%	.20	.23
Potassium (K)	%	1.69	1.97
Sulfur (S)	%	.24	.28
Sodium (Na)	%	.061	.071
Chloride (Cl)	%		
Copper (Cu)	ppm	5	6
Manganese (Mn)	ppm	183	214
Zinc (Zn)	ppm	11	13
Iron (Fe)	ppm	107	125
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Positive
pH			
RFV (Relative Feed Value)			95
RFQ (Relative Forage Quality)			177
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		