

HOLMES LABORATORY INC.  
 3559 US 62  
 Millersburg, OH 44654  
 www.facebook.com/holmeslab

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: 08/17/2020  
 Lab Number: 20-791  
 SAMPLE I.D.: Grass Hay  
 Andy's New 2nd Cut

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	11.93	
Dry Matter	%	88.07	
Crude Protein	%	11.77	13.37
Available Protein	%	11.26	12.79
Adjusted Crude Protein	%	11.77	13.37
A.D.F. Protein	%	.51	.58
N.D.F. Protein	%	2.59	2.94
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	5.43	6.17
Acid Detergent Fiber	%	33.58	38.13
Neutral Detergent Fiber	%	50.91	57.81
NFC (Non-Fiber Carbohydrate)	%		
Sugar	%	4.13	4.69
Starch	%	.85	.96
NSC = Starch + Sugar	%	4.98	5.65
Crude Fat	%	2.40	2.73
TDN	%	46.28	52.55
NEl	Mcal/lb.	.516	.586
NEm	Mcal/lb.	.418	.475
NEg	Mcal/lb.	.197	.224
Ash	%	7.71	8.76
Lignin Insoluble Ash	%		
Calcium (Ca)	%	.25	.28
Phosphorus (P)	%	.28	.32
Magnesium (Mg)	%	.14	.16
Potassium (K)	%	2.48	2.82
Sulfur (S)	%	.15	.17
Sodium (Na)	%	.015	.017
Chloride (Cl)	%		
Copper (Cu)	ppm	1	1
Manganese (Mn)	ppm	124	141
Zinc (Zn)	ppm	15	17
Iron (Fe)	ppm	30	34
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			95
RFQ (Relative Forage Quality)			112
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		