

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: 20-337
 SAMPLE I.D.: Grass Hay
 1st Crop

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	12.85	
Dry Matter	%	87.15	
Crude Protein	%	10.29	11.81
Available Protein	%	9.57	10.98
Adjusted Crude Protein	%	10.29	11.81
A.D.F. Protein	%	.72	.83
N.D.F. Protein	%	3.55	4.07
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	6.74	7.73
Acid Detergent Fiber	%	40.59	46.57
Neutral Detergent Fiber	%	53.63	61.54
NFC (Non-Fiber Carbohydrate)	%	18.28	20.97
Sugar	%	6.64	7.62
Starch	%	.83	.95
NSC = Starch + Sugar	%	7.47	8.57
Crude Fat	%	2.73	3.13
TDN	%	49.80	57.14
NEl	Mcal/lb.	.505	.580
NEm	Mcal/lb.	.479	.550
NEg	Mcal/lb.	.256	.294
Ash	%	5.39	6.19
Lignin Insoluble Ash	%	.89	1.02
Calcium (Ca)	%	.43	.49
Phosphorus (P)	%	.11	.13
Magnesium (Mg)	%	.23	.26
Potassium (K)	%	1.31	1.50
Sulfur (S)	%	.19	.22
Sodium (Na)	%	.029	.033
Chloride (Cl)	%		
Copper (Cu)	ppm	4	5
Manganese (Mn)	ppm	143	164
Zinc (Zn)	ppm	13	15
Iron (Fe)	ppm	30	34
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			80
RFQ (Relative Forage Quality)			119
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		