

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: 20-339
 SAMPLE I.D.: Grass Hay
 3rd Crop Mature

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	13.47	
Dry Matter	%	86.53	
Crude Protein	%	11.10	12.83
Available Protein	%	10.32	11.93
Adjusted Crude Protein	%	11.10	12.83
A.D.F. Protein	%	.78	.90
N.D.F. Protein	%	4.25	4.91
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	4.75	5.49
Acid Detergent Fiber	%	36.63	42.33
Neutral Detergent Fiber	%	55.59	64.24
NFC (Non-Fiber Carbohydrate)	%	13.81	15.96
Sugar	%	3.85	4.45
Starch	%	.74	.85
NSC = Starch + Sugar	%	4.59	5.30
Crude Fat	%	2.60	3.00
TDN	%	49.65	57.38
NEl	Mcal/lb.	.504	.583
NEm	Mcal/lb.	.479	.554
NEg	Mcal/lb.	.257	.297
Ash	%	7.40	8.55
Lignin Insoluble Ash	%	1.58	1.83
Calcium (Ca)	%	.35	.40
Phosphorus (P)	%	.22	.25
Magnesium (Mg)	%	.18	.21
Potassium (K)	%	1.90	2.20
Sulfur (S)	%	.19	.22
Sodium (Na)	%	.009	.010
Chloride (Cl)	%		
Copper (Cu)	ppm	3	3
Manganese (Mn)	ppm	100	115
Zinc (Zn)	ppm	9	10
Iron (Fe)	ppm	78	90
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Positive
pH			
RFV (Relative Feed Value)			81
RFQ (Relative Forage Quality)			128
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		