

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: 10/05/2020
 Lab Number: 20-930
 SAMPLE I.D.: Grass Hay
 Phillip's 3rd Cut

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	12.76	
Dry Matter	%	87.24	
Crude Protein	%	12.89	14.77
Available Protein	%	12.40	14.21
Adjusted Crude Protein	%	12.89	14.77
A.D.F. Protein	%	.49	.56
N.D.F. Protein	%	3.03	3.47
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	4.01	4.60
Acid Detergent Fiber	%	26.83	30.75
Neutral Detergent Fiber	%	40.53	46.46
NFC (Non-Fiber Carbohydrate)	%		
Sugar	%	7.42	8.51
Starch	%	2.77	3.18
NSC = Starch + Sugar	%	10.20	11.69
Crude Fat	%	2.56	2.94
TDN	%	53.27	61.06
NEl	Mcal/lb.	.586	.672
NEm	Mcal/lb.	.554	.635
NEg	Mcal/lb.	.324	.371
Ash	%	7.28	8.34
Lignin Insoluble Ash	%		
Calcium (Ca)	%	.30	.34
Phosphorus (P)	%	.21	.24
Magnesium (Mg)	%	.26	.30
Potassium (K)	%	2.07	2.37
Sulfur (S)	%	.24	.27
Sodium (Na)	%	.060	.069
Chloride (Cl)	%		
Copper (Cu)	ppm	1	1
Manganese (Mn)	ppm	105	120
Zinc (Zn)	ppm	11	13
Iron (Fe)	ppm	29	33
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		
pH			
RFV (Relative Feed Value)			130
RFQ (Relative Forage Quality)			168
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		