

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: 08/13/2021
Lab Number: 21-859
SAMPLE I.D.: Grass Hay
Phillips 2nd Cut

Item	Units	As Sampled	Basis	Dry Matter	Basis
Moisture	%	14.17			
Dry Matter	%	85.83			
Crude Protein	%	10.34		12.05	
Available Protein	%	9.85		11.48	
Adjusted Crude Protein	%	10.34		12.05	
A.D.F. Protein	%	.49		.57	
N.D.F. Protein	%	2.37		2.76	
Soluble Protein	%				
Protein Solubility	%				
Lignin	%	4.71		5.49	
Acid Detergent Fiber	%	28.80		33.56	
Neutral Detergent Fiber	%	45.62		53.15	
NFC (Non-Fiber Carbohydrate)	%	21.06		24.54	
Sugar	%	7.82		9.11	
Starch	%	2.63		3.06	
NSC = Starch + Sugar	%	10.45		12.17	
Crude Fat	%	2.42		2.82	
TDN	%	50.87		59.27	
NEL	Mcal/lb.	.547		.637	
NEm	Mcal/lb.	.517		.602	
NEg	Mcal/lb.	.294		.342	
Ash	%	7.08		8.25	
Lignin Insoluble Ash	%	1.01		1.18	
Calcium (Ca)	%	.38		.44	
Phosphorus (P)	%	.15		.18	
Magnesium (Mg)	%	.26		.30	
Potassium (K)	%	1.42		1.66	
Sulfur (S)	%	.17		.20	
Sodium (Na)	%	.039		.046	
Chloride (Cl)	%				
Copper (Cu)	ppm	4		5	
Manganese (Mn)	ppm	43		50	
Zinc (Zn)	ppm	12		14	
Iron (Fe)	ppm	37		43	
Molybdenum (Mo)	ppm				
Nitrate (NO3)	%				Negative
pH					
RFV (Relative Feed Value)				112	
RFQ (Relative Forage Quality)				130	
Horse DE	Mcal/lb.				
Horse TDN	%				
Crude Fiber	%				
DCAD	meq./100g DM				
DCAD	meq./1 lb.DM				