

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: 08/17/2020
 Lab Number: 20-790
 SAMPLE I.D.: Grass Hay
 Phillips 2nd Cut

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	14.15	
Dry Matter	%	85.85	
Crude Protein	%	15.07	17.55
Available Protein	%	14.55	16.95
Adjusted Crude Protein	%	15.07	17.55
A.D.F. Protein	%	.52	.61
N.D.F. Protein	%	2.75	3.20
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	4.77	5.56
Acid Detergent Fiber	%	29.37	34.21
Neutral Detergent Fiber	%	44.64	52.00
NFC (Non-Fiber Carbohydrate)	%		
Sugar	%	5.44	6.34
Starch	%	1.17	1.36
NSC = Starch + Sugar	%	6.61	7.70
Crude Fat	%	2.13	2.48
TDN	%	48.35	56.32
NEl	Mcal/lb.	.531	.619
NEm	Mcal/lb.	.470	.547
NEg	Mcal/lb.	.250	.291
Ash	%	7.56	8.81
Lignin Insoluble Ash	%		
Calcium (Ca)	%	.37	.43
Phosphorus (P)	%	.20	.23
Magnesium (Mg)	%	.26	.30
Potassium (K)	%	1.86	2.17
Sulfur (S)	%	.22	.26
Sodium (Na)	%	.056	.065
Chloride (Cl)	%		
Copper (Cu)	ppm	3	4
Manganese (Mn)	ppm	74	86
Zinc (Zn)	ppm	15	17
Iron (Fe)	ppm	50	58
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			111
RFQ (Relative Forage Quality)			131
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		