

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: 20-792
 SAMPLE I.D.: Grass Hay
 Andy's Small 2nd Cut

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	13.62	
Dry Matter	%	86.38	
Crude Protein	%	14.35	16.61
Available Protein	%	13.79	15.96
Adjusted Crude Protein	%	14.35	16.61
A.D.F. Protein	%	.56	.65
N.D.F. Protein	%	2.84	3.29
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	4.84	5.60
Acid Detergent Fiber	%	31.36	36.30
Neutral Detergent Fiber	%	47.90	55.45
NFC (Non-Fiber Carbohydrate)	%		
Sugar	%	4.31	4.99
Starch	%	.64	.74
NSC = Starch + Sugar	%	4.95	5.73
Crude Fat	%	2.62	3.03
TDN	%	49.28	57.05
NEl	Mcal/lb.	.536	.620
NEm	Mcal/lb.	.485	.561
NEg	Mcal/lb.	.263	.304
Ash	%	7.26	8.40
Lignin Insoluble Ash	%		
Calcium (Ca)	%	.37	.43
Phosphorus (P)	%	.22	.26
Magnesium (Mg)	%	.22	.25
Potassium (K)	%	1.98	2.29
Sulfur (S)	%	.19	.22
Sodium (Na)	%	.019	.022
Chloride (Cl)	%		
Copper (Cu)	ppm	3	3
Manganese (Mn)	ppm	113	131
Zinc (Zn)	ppm	14	16
Iron (Fe)	ppm	32	37
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			102
RFQ (Relative Forage Quality)			135
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		