

HOLMES LABORATORY INC.
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FORAGE/FEEDSTUFF
 ANALYSIS REPORT
 [A Vital Key to Today's Agriculture]
 (330) 893-2933 * www.holmeslab.com
 Test Performed: 9QW

Customer: Andy Groeschl-Andy's Small Field

Groeschl Ag Service-A.Groeschl
 10271 N. County Rd. K
 Hayward, WI 54843

Date Reported: 07/27/2018
 Lab Number: 18-960
 SAMPLE I.D.: Grass Hay
 2nd Cut

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	9.84	
Dry Matter	%	90.16	
Crude Protein	%	10.18	11.29
Available Protein	%	9.39	10.42
Adjusted Crude Protein	%	10.18	11.29
A.D.F. Protein	%	.78	.87
N.D.F. Protein	%	3.94	4.37
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	2.78	3.08
Acid Detergent Fiber	%	32.31	35.84
Neutral Detergent Fiber	%	56.07	62.19
NFC (Non-Fiber Carbohydrate)	%	16.62	18.43
Sugar	%	3.42	3.79
Starch	%	.88	.98
NSC = Starch + Sugar	%	4.30	4.77
Crude Fat	%	3.29	3.65
TDN	%	56.61	62.79
NEl	Mcal/lb.	.580	.643
NEm	Mcal/lb.	.573	.636
NEg	Mcal/lb.	.335	.372
Ash	%	7.60	8.43
Lignin Insoluble Ash	%	1.14	1.26
Calcium (Ca)	%	.31	.34
Phosphorus (P)	%	.27	.30
Magnesium (Mg)	%	.22	.24
Potassium (K)	%	2.65	2.94
Sulfur (S)	%	.16	.18
Sodium (Na)	%	.016	.018
Chloride (Cl)	%		
Copper (Cu)	ppm	1	1
Manganese (Mn)	ppm	52	58
Zinc (Zn)	ppm	12	13
Iron (Fe)	ppm	37	41
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			91
RFQ (Relative Forage Quality)			139
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		