

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: 9

Customer: Groeschl Ag Service

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

Date Reported: 01/17/2017
 Lab Number: 17-123
 SAMPLE I.D.: Legume Hay
 3rd Cut Alfalfa

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	40.92	
Dry Matter	%	59.08	
Crude Protein	%	8.66	14.66
Available Protein	%	7.56	12.79
Adjusted Crude Protein	%	8.42	14.26
A.D.F. Protein	%	1.10	1.87
N.D.F. Protein	%	1.96	3.31
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	6.00	10.16
Acid Detergent Fiber	%	21.84	36.97
Neutral Detergent Fiber	%	28.15	47.65
NFC (Non-Fiber Carbohydrate)	%	17.19	29.10
Sugar	%		
Starch	%		
NSC = Starch + Sugar	%		
Crude Fat	%	1.87	3.16
TDN	%	32.77	55.46
NEl	Mcal/lb.	.332	.562
NEm	Mcal/lb.	.310	.525
NEg	Mcal/lb.	.160	.270
Ash	%	4.82	8.15
Lignin Insoluble Ash	%	.38	.64
Calcium (Ca)	%	.57	.97
Phosphorus (P)	%	.14	.24
Magnesium (Mg)	%	.11	.19
Potassium (K)	%	1.41	2.38
Sulfur (S)	%	.11	.18
Sodium (Na)	%	.008	.014
Chloride (Cl)	%		
Copper (Cu)	ppm	2	3
Manganese (Mn)	ppm	48	82
Zinc (Zn)	ppm	11	19
Iron (Fe)	ppm	61	103
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			117
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		