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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

Groeschl Ag Service-A.Groeschl
 13920 W State Rd.77
 Hayward, WI 54843

Date Reported: 08/19/2016
 Lab Number: 16-1836
 SAMPLE I.D.: Legume Hay
 Shuman's 2nd Alfalfa

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	14.89	
Dry Matter	%	85.11	
Crude Protein	%	15.64	18.38
Available Protein	%	14.57	17.12
Adjusted Crude Protein	%	15.64	18.38
A.D.F. Protein	%	1.07	1.26
N.D.F. Protein	%	2.06	2.42
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	7.56	8.88
Acid Detergent Fiber	%	35.80	42.06
Neutral Detergent Fiber	%	42.35	49.76
NFC (Non-Fiber Carbohydrate)	%	19.37	22.76
Sugar	%		
Starch	%		
NSC = Starch + Sugar	%		
Crude Fat	%	1.40	1.65
TDN	%	45.55	53.52
NEl	Mcal/lb.	.460	.540
NEm	Mcal/lb.	.420	.494
NEg	Mcal/lb.	.206	.242
Ash	%	8.01	9.41
Lignin Insoluble Ash	%	1.06	1.24
Calcium (Ca)	%	.71	.84
Phosphorus (P)	%	.21	.25
Magnesium (Mg)	%	.14	.17
Potassium (K)	%	2.04	2.40
Sulfur (S)	%	.12	.14
Sodium (Na)	%	.016	.019
Chloride (Cl)	%		
Copper (Cu)	ppm	8	9
Manganese (Mn)	ppm	31	36
Zinc (Zn)	ppm	22	26
Iron (Fe)	ppm	99	116
Molybdenum (Mo)	ppm		
Aluminum (Al)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			105
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		