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FORAGE/FEEDSTUFF  
 ANALYSIS REPORT  
 [A Vital Key to Today's Agriculture]  
 (330) 893-2933 \* www.holmeslab.com  
 Test Performed: 5

Customer: Groeschl Ag Service

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

Date Reported: 08/11/2017  
 Lab Number: 17-1984  
 SAMPLE I.D.: Grass Hay  
 Andy's 2nd Cut Grass

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	10.73	
Dry Matter	%	89.27	
Crude Protein	%	9.35	10.47
Available Protein	%	7.51	8.41
Adjusted Crude Protein	%	8.44	9.46
A.D.F. Protein	%	1.84	2.06
N.D.F. Protein	%	3.15	3.53
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	2.24	2.51
Acid Detergent Fiber	%	30.94	34.66
Neutral Detergent Fiber	%	51.07	57.21
NFC (Non-Fiber Carbohydrate)	%	21.71	24.32
Sugar	%		
Starch	%		
NSC = Starch + Sugar	%		
Crude Fat (est.)	%	2.14	2.40
TDN	%	45.53	51.00
NEl	Mcal/lb.	.457	.512
NEm	Mcal/lb.	.406	.455
NEg	Mcal/lb.	.184	.206
Ash	%	7.70	8.63
Lignin Insoluble Ash	%	1.68	1.88
Calcium (Ca)	%	.44	.49
Phosphorus (P)	%	.27	.30
Magnesium (Mg)	%	.23	.26
Potassium (K)	%	2.07	2.32
Sulfur (S)	%	.30	.34
Sodium (Na)	%	.010	.011
Chloride (Cl)	%	.45	.50
Copper (Cu)	ppm	1	1
Manganese (Mn)	ppm	73	82
Zinc (Zn)	ppm	13	15
Iron (Fe)	ppm	24	27
Molybdenum (Mo)	ppm	2.1	2.4
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			101
Horse DE	Mcal/lb.	.89	1.00
Horse TDN	%	44.55	49.90
Crude Fiber	%		
DCAD	meq./100g DM		24.6
DCAD	meq./1 lb.DM		111.7