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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

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

Date Reported: 09/18/2018
 Lab Number: 18-1258
 SAMPLE I.D.: Grass Hay
 Andy's Small 3rd Cut

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	11.05	
Dry Matter	%	88.95	
Crude Protein	%	11.13	12.51
Available Protein	%	10.32	11.60
Adjusted Crude Protein	%	11.13	12.51
A.D.F. Protein	%	.81	.91
N.D.F. Protein	%	4.63	5.20
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	3.32	3.73
Acid Detergent Fiber	%	32.24	36.25
Neutral Detergent Fiber	%	55.82	62.75
NFC (Non-Fiber Carbohydrate)	%	15.38	17.29
Sugar	%	4.87	5.47
Starch	%	.76	.85
NSC = Starch + Sugar	%	5.62	6.32
Crude Fat	%	3.17	3.56
TDN	%	54.62	61.41
NEl	Mcal/lb.	.559	.628
NEm	Mcal/lb.	.547	.615
NEg	Mcal/lb.	.314	.353
Ash	%	7.77	8.74
Lignin Insoluble Ash	%	.19	.21
Calcium (Ca)	%	.36	.41
Phosphorus (P)	%	.28	.31
Magnesium (Mg)	%	.21	.24
Potassium (K)	%	2.49	2.80
Sulfur (S)	%	.20	.23
Sodium (Na)	%	.012	.013
Chloride (Cl)	%		
Copper (Cu)	ppm	4	4
Manganese (Mn)	ppm	71	80
Zinc (Zn)	ppm	13	15
Iron (Fe)	ppm	44	49
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			90
RFQ (Relative Forage Quality)			135
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		