

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: 9Q

Customer: Groeschl Ag Service-Andy

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

Date Reported: 09/28/2017  
 Lab Number: 17-2280  
 SAMPLE I.D.: Grass Hay  
 3rd Cut Orchard Grass

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	12.00	
Dry Matter	%	88.00	
Crude Protein	%	10.43	11.85
Available Protein	%	10.02	11.39
Adjusted Crude Protein	%	10.43	11.85
A.D.F. Protein	%	.40	.46
N.D.F. Protein	%	3.60	4.09
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	2.02	2.29
Acid Detergent Fiber	%	26.99	30.67
Neutral Detergent Fiber	%	48.07	54.62
NFC (Non-Fiber Carbohydrate)	%	21.39	24.31
Sugar	%		
Starch	%		
NSC = Starch + Sugar	%		
Crude Fat	%	3.47	3.94
TDN	%	58.76	66.77
NEl	Mcal/lb.	.605	.687
NEM	Mcal/lb.	.611	.694
NEg	Mcal/lb.	.373	.424
Ash	%	7.81	8.87
Lignin Insoluble Ash	%	1.28	1.46
Calcium (Ca)	%	.36	.41
Phosphorus (P)	%	.32	.36
Magnesium (Mg)	%	.20	.23
Potassium (K)	%	2.53	2.88
Sulfur (S)	%	.21	.24
Sodium (Na)	%	.021	.024
Chloride (Cl)	%		
Copper (Cu)	ppm	5	6
Manganese (Mn)	ppm	58	66
Zinc (Zn)	ppm	12	14
Iron (Fe)	ppm	44	50
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			111
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		
RFQ			141