

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: 9W

Customer: Groeschl's - Tremblay East

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

Date Reported: 09/22/2016
 Lab Number: 16-2019
 SAMPLE I.D.: Grass Hay
 3rd Cut Orch. Grass

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	14.83	
Dry Matter	%	85.17	
Crude Protein	%	9.32	10.94
Available Protein	%	8.76	10.28
Adjusted Crude Protein	%	9.32	10.94
A.D.F. Protein	%	.56	.66
N.D.F. Protein	%	3.47	4.07
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	4.05	4.75
Acid Detergent Fiber	%	30.83	36.20
Neutral Detergent Fiber	%	52.17	61.25
NFC (Non-Fiber Carbohydrate)	%	17.78	20.88
Sugar	%	5.01	5.88
Starch	%	5.50	6.46
NSC = Starch + Sugar	%	10.51	12.34
Crude Fat	%	2.92	3.43
TDN	%	52.26	61.36
NEl	Mcal/lb.	.534	.627
NEm	Mcal/lb.	.523	.614
NEg	Mcal/lb.	.300	.352
Ash	%	6.08	7.14
Lignin Insoluble Ash	%	1.23	1.45
Calcium (Ca)	%	.37	.43
Phosphorus (P)	%	.32	.38
Magnesium (Mg)	%	.28	.33
Potassium (K)	%	1.60	1.88
Sulfur (S)	%	.07	.08
Sodium (Na)	%	.042	.049
Chloride (Cl)	%		
Copper (Cu)	ppm	3	4
Manganese (Mn)	ppm	74	87
Zinc (Zn)	ppm	11	13
Iron (Fe)	ppm	55	64
Molybdenum (Mo)	ppm		
Aluminum (Al)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			92
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		