

HOLMES LABORATORY INC.
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FORAGE/FEEDSTUFF
ANALYSIS REPORT
[Quality Testing Since 1978]
(330) 893-2933 * www.holmeslab.com
Test Performed: 9QW

Customer: Groeschl Ag

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

Date Reported: 07/08/2021
Lab Number: 21-681
SAMPLE I.D.: Grass Hay
Naylor East 1st

Item	Units	As Sampled	Basis	Dry Matter	Basis
Moisture	%	9.80			
Dry Matter	%	90.20			
Crude Protein	%	13.53		15.00	
Available Protein	%	13.02		14.43	
Adjusted Crude Protein	%	13.53		15.00	
A.D.F. Protein	%	.52		.58	
N.D.F. Protein	%	2.31		2.56	
Soluble Protein	%				
Protein Solubility	%				
Lignin	%	4.98		5.52	
Acid Detergent Fiber	%	30.51		33.82	
Neutral Detergent Fiber	%	50.43		55.91	
NFC (Non-Fiber Carbohydrate)	%	20.19		22.38	
Sugar	%	7.30		8.09	
Starch	%	2.50		2.77	
NSC = Starch + Sugar	%	9.80		10.86	
Crude Fat	%	2.83		3.14	
TDN	%	52.61		58.33	
NEL	Mcal/lb.	.589		.653	
NEm	Mcal/lb.	.528		.585	
NEg	Mcal/lb.	.294		.326	
Ash	%	5.53		6.13	
Lignin Insoluble Ash	%	1.10		1.22	
Calcium (Ca)	%	.31		.34	
Phosphorus (P)	%	.22		.24	
Magnesium (Mg)	%	.20		.22	
Potassium (K)	%	1.50		1.66	
Sulfur (S)	%	.18		.20	
Sodium (Na)	%	.039		.043	
Chloride (Cl)	%				
Copper (Cu)	ppm	4		4	
Manganese (Mn)	ppm	54		60	
Zinc (Zn)	ppm	13		14	
Iron (Fe)	ppm	38		42	
Molybdenum (Mo)	ppm				
Nitrate (NO3)	%				Negative
pH					
RFV (Relative Feed Value)				104	
RFQ (Relative Forage Quality)				141	
Horse DE	Mcal/lb.				
Horse TDN	%				
Crude Fiber	%				
DCAD	meq./100g DM				
DCAD	meq./1 lb.DM				