

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 Services

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

Date Reported: 07/13/2020
 Lab Number: 20-685
 SAMPLE I.D.: Grass Hay
 Naylor West

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	14.49	
Dry Matter	%	85.51	
Crude Protein	%	10.24	11.97
Available Protein	%	9.52	11.13
Adjusted Crude Protein	%	10.24	11.97
A.D.F. Protein	%	.72	.84
N.D.F. Protein	%	3.26	3.81
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	3.20	3.74
Acid Detergent Fiber	%	29.47	34.46
Neutral Detergent Fiber	%	51.09	59.75
NFC (Non-Fiber Carbohydrate)	%	18.32	21.43
Sugar	%	7.20	8.42
Starch	%	1.61	1.88
NSC = Starch + Sugar	%	8.81	10.30
Crude Fat	%	2.84	3.32
TDN	%	54.18	63.36
NEl	Mcal/lb.	.555	.649
NEm	Mcal/lb.	.551	.644
NEg	Mcal/lb.	.324	.379
Ash	%	5.90	6.90
Lignin Insoluble Ash	%	.53	.62
Calcium (Ca)	%	.24	.28
Phosphorus (P)	%	.21	.24
Magnesium (Mg)	%	.14	.16
Potassium (K)	%	2.01	2.35
Sulfur (S)	%	.15	.17
Sodium (Na)	%	.010	.012
Chloride (Cl)	%		
Copper (Cu)	ppm	1	1
Manganese (Mn)	ppm	68	79
Zinc (Zn)	ppm	9	11
Iron (Fe)	ppm	23	27
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			97
RFQ (Relative Feed Quality)			144
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		