

HOLMES LABORATORY INC.  
 3559 US 62  
 Millersburg, OH 44654  
 www.facebook.com/holmeslab

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: 07/08/2022  
 Lab Number: 22-839  
 SAMPLE I.D.: Grass Hay  
 1st Cut Orchard Grass

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	13.39	
Dry Matter	%	86.61	
Crude Protein	%	10.25	11.84
Available Protein	%	9.72	11.22
Adjusted Crude Protein	%		
A.D.F. Protein	%	.53	.61
N.D.F. Protein	%	2.74	3.16
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	4.74	5.47
Acid Detergent Fiber	%	30.82	35.59
Neutral Detergent Fiber	%	48.60	56.11
NFC (Non-Fiber Carbohydrate)	%	23.08	26.65
Sugar (ESC)	%	8.90	10.28
Starch	%	3.40	3.93
NSC = Starch + Sugar (ESC)	%	12.31	14.21
Sugar (WSC)	%		
Crude Fat	%	2.51	2.90
TDN	%	51.04	58.93
NEl	Mcal/lb.	.565	.652
NEm	Mcal/lb.	.501	.578
NEg	Mcal/lb.	.276	.319
Ash	%	4.67	5.39
Lignin Insoluble Ash	%		
Calcium (Ca)	%	.27	.31
Phosphorus (P)	%	.13	.15
Magnesium (Mg)	%	.20	.23
Potassium (K)	%	1.58	1.82
Sulfur (S)	%	.15	.17
Sodium (Na)	%	.077	.089
Chloride (Cl)	%		
Copper (Cu)	ppm	3	3
Manganese (Mn)	ppm	45	52
Zinc (Zn)	ppm	11	13
Iron (Fe)	ppm	29	33
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			101
RFQ (Relative Forage Quality)			140
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		