

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: 09/14/2022
 Lab Number: 22-1037
 SAMPLE I.D.: Grass Hay
 3rd Cut Orchard Grass

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	10.49	
Dry Matter	%	89.51	
Crude Protein	%	14.16	15.82
Available Protein	%	13.42	14.99
Adjusted Crude Protein	%		
A.D.F. Protein	%	.74	.83
N.D.F. Protein	%	4.36	4.87
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	5.18	5.79
Acid Detergent Fiber	%	32.04	35.80
Neutral Detergent Fiber	%	52.72	58.90
NFC (Non-Fiber Carbohydrate)	%		
Sugar (ESC)	%	2.36	2.64
Starch	%	1.63	1.82
NSC = Starch + Sugar (ESC)	%	3.99	4.46
Sugar (WSC)	%		
Crude Fat	%	3.36	3.75
TDN	%	53.38	59.64
NEl	Mcal/lb.	.568	.635
NEm	Mcal/lb.	.526	.588
NEg	Mcal/lb.	.294	.329
Ash	%	6.72	7.51
Lignin Insoluble Ash	%		
Calcium (Ca)	%	.34	.38
Phosphorus (P)	%	.26	.29
Magnesium (Mg)	%	.30	.34
Potassium (K)	%	2.42	2.70
Sulfur (S)	%	.20	.22
Sodium (Na)	%	.064	.072
Chloride (Cl)	%		
Copper (Cu)	ppm	6	7
Manganese (Mn)	ppm	62	69
Zinc (Zn)	ppm	20	22
Iron (Fe)	ppm	59	66
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			96
RFQ (Relative Forage Quality)			139
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		