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

FORAGE/FEEDSTUFF
 ANALYSIS REPORT
 [A Vital Key to Today's Agriculture]
 (330) 893-2933 * www.holmeslab.com
 Test Performed: 9QW

Customer: Andy Groeschl-Orchard Grass

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

Date Reported: 07/23/2018
 Lab Number: 18-912
 SAMPLE I.D.: Grass Hay
 Andy's 1st Cut

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	12.49	
Dry Matter	%	87.51	
Crude Protein	%	8.35	9.54
Available Protein	%	7.54	8.62
Adjusted Crude Protein	%	8.35	9.54
A.D.F. Protein	%	.81	.92
N.D.F. Protein	%	2.62	2.99
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	1.99	2.27
Acid Detergent Fiber	%	31.53	36.03
Neutral Detergent Fiber	%	51.30	58.62
NFC (Non-Fiber Carbohydrate)	%	21.67	24.76
Sugar	%	7.78	8.89
Starch	%	.91	1.04
NSC = Starch + Sugar	%	8.69	9.93
Crude Fat	%	2.74	3.13
TDN	%	58.04	66.32
NEl	Mcal/lb.	.597	.682
NEm	Mcal/lb.	.602	.688
NEg	Mcal/lb.	.366	.418
Ash	%	5.63	6.43
Lignin Insoluble Ash	%	.36	.41
Calcium (Ca)	%	.39	.44
Phosphorus (P)	%	.24	.27
Magnesium (Mg)	%	.25	.28
Potassium (K)	%	1.58	1.81
Sulfur (S)	%	.11	.13
Sodium (Na)	%	.023	.026
Chloride (Cl)	%		
Copper (Cu)	ppm	3	3
Manganese (Mn)	ppm	72	82
Zinc (Zn)	ppm	11	12
Iron (Fe)	ppm	40	46
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			97
RFQ (Relative Forage Quality)			130
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		