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Lab No.: 6200		FEED ANALYSIS REPORT		Date Reported: 10/21/2024
Send To: 33423	SOUTHWEST GRAIN NEW ENGLAND SWG 170 ELEVATOR PO BOX 220 NEW ENGLAND, ND 58647			   Hans Burken Lab Manager
Results For: Feedstuff Description: Sample Identification: Date Received:  Invoice No.:	BILL GUSSEY GRASS HAY LOT K GRASS 10/18/2024 763502			
Feed Analysis Results		As Received	100% Dry Matter	
<b>Near Infrared Reflectance Spectroscopy (NIRS) Analysis</b>				
Moisture, %	9.1			
Dry Matter, %	90.9			
Crude Protein, %	6.66		7.33	
Adjusted Crude Protein, %	6.39		7.03	
AD-ICP, %	0.84		0.92	
ND-ICP (w/Na2SO3), %	2.52		2.77	
Soluble Protein, % CP	16.48		18.14	
ADF, % ADF	36.84		40.55	
aNDF (w/Na2SO3), % NDF	56.89		62.61	
aNDFom, % aNDFom	54.37		59.84	
Lignin (Sulfuric Acid), %	5.40		5.94	
Lignin % NDF, %	9.02		9.93	
uNDFom240, %	22.22		24.45	
NDFD240, % NDF	53.73		59.14	
Starch, %	0.35		0.39	
Fat (EE), %	3.18		3.50	

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Feed Analysis Results		As Received	100% Dry Matter	
Total Fatty Acid (TFA), % TFA		1.14	1.25	
Ash, %		6.55	7.21	
Calcium, % Ca		0.49	0.54	
Phosphorus, % P		0.10	0.11	
Magnesium, % Mg		0.19	0.21	
Potassium, % K		1.29	1.42	
Sulfur, % S		0.20	0.22	
Sugar (ESC), %		8.26	9.09	
Sugar (WSC), %		9.64	10.61	
N.F.C., %		23.75	26.14	
RFV,		77.50	85.30	
Chloride, % Cl		0.45	0.50	
		<u>ADF</u>	<u>OARDC</u>	
TDN	%	57.31	57.51	
NEI	Mcal/lb	0.58	0.59	
NEg	Mcal/lb	0.25	0.29	
NEm	Mcal/lb	0.50	0.54	

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Lab No.: 6200	<b>FEED ANALYSIS REPORT</b>		Date Reported: 10/21/2024	
Feed Analysis Results	As Received	100% Dry Matter		
<b>USDA HAY QUALITY GUIDELINES: ALFALFA, ALFALFA/MIX (100% dry matter)</b>				
<u>QUALITY</u>	<u>RFV</u>	<u>ADF %</u>	<u>NDF %</u>	<u>%CP</u>
Supreme	> 185	< 27	< 34	> 22
Premium	170-185	27-29	34-36	20-22
Good	150-170	29-32	36-40	18-20
Fair	130-150	32-35	40-44	16-18
Utility	< 130	> 35	> 44	< 18
<p><b>These USDA marketing guidelines</b> are based primarily on alfalfa or alfalfa-grass mix for dairy cattle use. Suggested guidelines for other forages and other livestock uses are given below. Crude protein, visual appearance, intent of sale, end use, and other factors may influence final hay price. Regional pricing information is available from USDA Hay Marketing Service - Hay Reports at: <a href="http://www.ams.usda.gov/market-news/hay-reports">www.ams.usda.gov/market-news/hay-reports</a></p>				
<u>RFV</u>	<u>SUGGESTED LIVESTOCK USES:</u>			
> 150	Prime dairy cows; fresh and high producers			
125 - 150	Good dairy cows; young heifers; backgrounding			
105 - 125	Good beef cattle; older heifers; marginal for dairy cows			
87 - 105	Maintenance of beef and dairy cows			
75 - 87	May require supplementation			
< 75	Will require supplementation			
NIRs analysis performed utilizing Feedstuff Equations developed by Dairyland Labs, Inc.				

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