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Lab No.: 11401		FEED ANALYSIS REPORT		Date Reported: 11/10/2025	
Send To: 33423		SOUTHWEST GRAIN NEW ENGLAND SWG 170 ELEVATOR RD PO BOX 220 NEW ENGLAND, ND 58647			
Results For: BILL GUSSEY Feedstuff Description: HAY Sample Identification: LOT J Date Received: 11/07/2025 Invoice No.: 777515 PO Number: 4900352482		 Hans Burken Lab Manager			
Feed Analysis Results As Received 100% Dry Matter					
Near Infrared Reflectance Spectroscopy (NIRS) Analysis					
Moisture, %	13.2				
Dry Matter, %	86.8				
Crude Protein, %	10.97		12.63		
Adjusted Crude Protein, %	10.97		12.63		
AD-ICP, %	0.78		0.90		
ND-ICP (w/Na ₂ SO ₃), %	1.35		1.56		
Soluble Protein, % CP	31.62		36.42		
ADF, % ADF	30.99		35.69		
aNDF (w/Na ₂ SO ₃), % NDF	45.92		52.88		
aNDFom, % aNDFom	45.25		52.11		
Lignin (Sulfuric Acid), %	4.45		5.13		
Lignin % NDF, %	8.55		9.84		
uNDFom240, %	19.11		22.01		
NDFD240, % NDF	50.15		57.76		
Starch, %	0.45		0.52		
Fat (EE), %	2.59		2.98		



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Total Fatty Acid (TFA), % TFA		1.37	1.58	
Ash, %		8.35	9.62	
Calcium, % Ca		0.63	0.72	
Phosphorus, % P		0.17	0.20	
Magnesium, % Mg		0.25	0.29	
Potassium, % K		1.85	2.13	
Sulfur, % S		0.19	0.22	
Sugar (ESC), %		8.44	9.72	
Sugar (WSC), %		10.06	11.59	
N.F.C., %		21.38	24.62	
RFV,		93.32	107.48	
Chloride, % Cl		0.69	0.79	
		<u>ADF</u>	<u>OARDC</u>	
TDN	%	61.86	58.82	
NEI	Mcal/lb	0.63	0.60	
NEg	Mcal/lb	0.36	0.33	
NEem	Mcal/lb	0.62	0.59	



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USDA HAY QUALITY GUIDELINES: ALFALFA, ALFALFA/MIX (100% dry matter)																		
<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														
These USDA marketing guidelines 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: www.ams.usda.gov/market-news/hay-reports <table style="width: 100%;"><tr><td style="width: 20%;"><u>RFV</u></td><td><u>SUGGESTED LIVESTOCK USES:</u></td></tr><tr><td>> 150</td><td>Prime dairy cows; fresh and high producers</td></tr><tr><td>125 - 150</td><td>Good dairy cows; young heifers; backgrounding</td></tr><tr><td>105 - 125</td><td>Good beef cattle; older heifers; marginal for dairy cows</td></tr><tr><td>87 - 105</td><td>Maintenance of beef and dairy cows</td></tr><tr><td>75 - 87</td><td>May require supplementation</td></tr><tr><td>< 75</td><td>Will require supplementation</td></tr></table>					<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
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NIRs analysis performed utilizing Feedstuff Equations developed by Dairyland Labs, Inc.																		