






1602 Park West Dr. • PO Box 169 • Hastings, NE 68902
www.servitech.com

Phone: 402.463.3522

800.557.7509

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Lab No.: 11406		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: Feedstuff Description: Sample Identification: Date Received: Invoice No.: PO Number:		BILL GUSSEY HAY LOT O 11/07/2025 777515 4900352482		 Hans Burken Lab Manager	
Feed Analysis Results As Received 100% Dry Matter					
Nitrate Nitrogen, mg/kg NO ₃ -N 756					
Near Infrared Reflectance Spectroscopy (NIRS) Analysis					
Moisture, %		11.3			
Dry Matter, %		88.7			
Crude Protein, %		10.18		11.48	
Adjusted Crude Protein, %		10.18		11.48	
AD-ICP, %		0.54		0.61	
ND-ICP (w/Na ₂ SO ₃), %		1.41		1.59	
Soluble Protein, % CP		25.88		29.18	
ADF, % ADF		34.42		38.80	
aNDF (w/Na ₂ SO ₃), % NDF		50.20		56.59	
aNDFom, % aNDFom		49.11		55.37	
Lignin (Sulfuric Acid), %		4.24		4.78	
Lignin % NDF, %		7.66		8.63	
uNDFom240, %		17.78		20.04	
NDFD240, % NDF		56.60		63.81	
Starch, %		8.42		9.49	



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Fat (EE), %		2.28	2.57	
Total Fatty Acid (TFA), % TFA		1.07	1.21	
Ash, %		7.43	8.38	
Calcium, % Ca		0.28	0.32	
Phosphorus, % P		0.27	0.31	
Magnesium, % Mg		0.17	0.19	
Potassium, % K		1.88	2.12	
Sulfur, % S		0.20	0.22	
Sugar (ESC), %		5.49	6.19	
Sugar (WSC), %		6.97	7.86	
N.F.C., %		21.42	24.15	
RFV,		85.55	96.45	
Chloride, % Cl		0.43	0.48	
		<u>ADF</u>	<u>OARDC</u>	
TDN	%	58.31	59.51	
NEI	Mcal/lb	0.59	0.61	
NEg	Mcal/lb	0.31	0.33	
NEm	Mcal/lb	0.57	0.59	

NITRATE: LOW (701 - 1400 mg/kg NO₃-N): Considered safe to feed for non-pregnant ruminants and horses. Suggest limiting this feedstuff to about 1/2 to 2/3 of the total dry matter intake in diets for pregnant ruminants if nitrate level is at the upper end of this range.

Feeding forages with potentially high nitrate levels requires careful management and observation. Limit access to the high nitrate forage, as necessary, especially if livestock are hungry. Avoid overconsumption by introducing livestock gradually to rations including high nitrate forages. Dilute high nitrate forages with low nitrate feedstuffs as described above to help avoid a toxic dose of nitrate. Feed a balanced ration with adequate energy.

Nitrate levels in standing forages can change between sampling and harvest. Retest harvested and cured forage before feeding to livestock.



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