





1602 Park West Dr. • PO Box 169 • Hastings, NE 68902
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| Lab No.: 11405 | | 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 N 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, % 11.4 | | | | | |
| Dry Matter, % 88.6 | | | | | |
| Crude Protein, % 9.95 11.23 | | | | | |
| Adjusted Crude Protein, % 9.95 11.23 | | | | | |
| AD-ICP, % 0.65 0.73 | | | | | |
| ND-ICP (w/Na2SO3), % 1.71 1.93 | | | | | |
| Soluble Protein, % CP 22.18 25.02 | | | | | |
| ADF, % ADF 33.78 38.11 | | | | | |
| aNDF (w/Na2SO3), % NDF 54.33 61.30 | | | | | |
| aNDFom, % aNDFom 53.29 60.13 | | | | | |
| Lignin (Sulfuric Acid), % 4.09 4.61 | | | | | |
| Lignin % NDF, % 6.80 7.67 | | | | | |
| uNDFom240, % 15.95 18.00 | | | | | |
| NDFD240, % NDF 62.09 70.06 | | | | | |
| Starch, % 0.22 0.25 | | | | | |
| Fat (EE), % 2.61 2.94 | | | | | |



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|-------------------------------|---------|----------------------|-----------------|---------------------------|
| Feed Analysis Results | | As Received | 100% Dry Matter | |
| Total Fatty Acid (TFA), % TFA | | 1.36 | 1.53 | |
| Ash, % | | 7.31 | 8.25 | |
| Calcium, % Ca | | 0.23 | 0.26 | |
| Phosphorus, % P | | 0.27 | 0.30 | |
| Magnesium, % Mg | | 0.19 | 0.22 | |
| Potassium, % K | | 2.14 | 2.42 | |
| Sulfur, % S | | 0.23 | 0.26 | |
| Sugar (ESC), % | | 7.00 | 7.90 | |
| Sugar (WSC), % | | 8.44 | 9.52 | |
| N.F.C., % | | 17.54 | 19.79 | |
| RFV, | | 79.64 | 89.86 | |
| Chloride, % Cl | | 0.74 | 0.83 | |
| | | <u>ADF</u> | <u>OARDC</u> | |
| TDN | % | 59.10 | 58.90 | |
| NEI | Mcal/lb | 0.60 | 0.60 | |
| NEg | Mcal/lb | 0.32 | 0.32 | |
| NEm | Mcal/lb | 0.58 | 0.58 | |



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| Feed Analysis Results | As Received 100% Dry Matter | |
| <u>USDA HAY QUALITY GUIDELINES: ALFALFA, ALFALFA/MIX (100% dry matter)</u> | | |
| <u>QUALITY</u> | <u>RFV</u> | <u>ADF %</u> |
| Supreme | > 185 | < 27 |
| Premium | 170-185 | 27-29 |
| Good | 150-170 | 29-32 |
| Fair | 130-150 | 32-35 |
| Utility | < 130 | > 35 |
| | | <u>NDF %</u> |
| | | < 34 |
| | | 34-36 |
| | | 36-40 |
| | | 40-44 |
| | | > 44 |
| | | <u>%CP</u> |
| | | > 22 |
| | | 20-22 |
| | | 18-20 |
| | | 16-18 |
| | | < 18 |
| <p>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</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 | |
| <p>NIRs analysis performed utilizing Feedstuff Equations developed by Dairyland Labs, Inc.</p> | | |