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| Lab No.: 2310 | | FEED ANALYSIS REPORT | | Date Reported: 10/10/2022 |
|---|---|----------------------|---|---------------------------|
| Send To: 53929 | SCOTT BRYANT 13690 TILFORD RD STURGIS, SD 57785 | |  | |
| Results For: | SCOTT BRYANT | |  Hans Burken Lab Manager | |
| Feedstuff Description: | HAY, MIXED | | | |
| Sample Identification: | 2-GRASS/ALFALFA | | | |
| Date Received: | 10/07/2022 | | | |
| Invoice No.: | 734496 | | | |
| Feed Analysis Results | | | | |
| | As Received | 100% Dry Matter | | |
| Moisture, % | 16.4 | | | |
| Dry Matter, % | 83.6 | | | |
| Crude Protein, % | 5.7 | 6.8 | | |
| Acid Detergent Fiber, % ADF | 37.8 | 45.3 | | |
| Neutral Detergent Fiber, % NDF | 58.2 | 69.5 | | |
| Total Digestible Nutrients, % TDN | 43.2 | 51.6 | | |
| Net Energy, Maint, Mcal/lb | 0.39 | 0.47 | | |
| Net Energy, Gain, Mcal/lb | 0.18 | 0.22 | | |
| Net Energy, Lact, Mcal/lb | 0.43 | 0.52 | | |
| Digestible Energy, Mcal/lb Beef D.E. | 0.86 | 1.03 | | |
| Met. Energy, Beef, Mcal/lb | 0.71 | 0.85 | | |
| Relative Feed Value, (RFV) | | 72 | | |
| <p>RELATIVE FEED VALUE formula is: $RFV = (DDM \times DMI) / 1.29$ $DDM = 88.9 - (0.779 \times \%ADF)$ $DMI = 120 / \%NDF$</p> <p>The RFV index calculation was developed to rank the potential digestible dry matter intake of cool-season legumes, grasses, and legume/grass mixtures fed to lactating dairy cattle. A reference hay of 100 RFV has 41% ADF and 53% NDF (e.g., full-bloom alfalfa hay). Digestible dry matter (DDM) estimates the total feed digestibility. Dry matter intake (DMI) estimates animal feed consumption as percent of body weight. RFV values can be used to compare forage varieties, to match hay/silage inventories with animal inventories, and to market hay. The ServiTech Laboratories have been certified annually by the National Forage Testing Association since 1986.</p> | | | | |

The reported analytical results apply only to the sample as it was supplied.
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