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Lab No.: 2309		FEED ANALYSIS REPORT		Date Reported: 10/10/2022
<b>Send To:</b> 53929	SCOTT BRYANT 13690 TILFORD RD STURGIS, SD 57785			  Hans Burken Lab Manager
<b>Results For:</b> <b>Feedstuff Description:</b> <b>Sample Identification:</b> <b>Date Received:</b>	SCOTT BRYANT HAY, MIXED 1-GRASS/ALFALFA 10/07/2022			
<b>Invoice No.:</b>	734496			
Feed Analysis Results		As Received	100% Dry Matter	
Moisture, %		13.7		
Dry Matter, %		86.3		
Crude Protein, %		6.4	7.5	
Acid Detergent Fiber, % ADF		37.0	42.9	
Neutral Detergent Fiber, % NDF		59.3	68.8	
Total Digestible Nutrients, % TDN		46.8	54.3	
Net Energy, Maint, Mcal/lb		0.44	0.51	
Net Energy, Gain, Mcal/lb		0.22	0.25	
Net Energy, Lact, Mcal/lb		0.47	0.55	
Digestible Energy, Mcal/lb Beef D.E.		0.94	1.09	
Met. Energy, Beef, Mcal/lb		0.77	0.89	
Relative Feed Value, (RFV)			75	
<p><b>RELATIVE FEED VALUE</b> formula is: <math>RFV = (DDM \times DMI) / 1.29</math>  <math>DDM = 88.9 - (0.779 \times \%ADF)</math>  <math>DMI = 120 / \%NDF</math></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>				