



Rock River Laboratory, Inc.
P.O. Box 169
Watertown, WI 53094-0169
920-261-0446

Feed Analysis Report

Blue Moon Coop 10000
1745 Leafy Lane
BlueField, WI 90045-7789

Representative:
Seth Faltheimer



Sample # 1	4TH HAYLAGE 2007 Cut 4		
Lab # 595678	Sampled on 10/7/2008	Received on 10/08/2008	
Feeder 2320 Jacob Marley			

Moisture 59.53% **Dry Matter** 40.47%

Analyte Description	Dry Matter Basis	Feeder Avg (2)	60 Day Avg
Crude Protein %DM	19.83%	19.29%	20.53%
% Protein Solubility %CP	41.86%	45.46%	
Avail. Crude Protein %DM	18.28%	17.84%	
ADF Bound Protein %DM	1.55%	1.46%	0.96%
ADFICP %CP	7.82%	7.53%	
Acid Det. Fiber %DM	36.02%	37.46%	32.99%
aNDF (w/NaSO3) %DM	45.28%	45.99%	42.33%
Calcium %DM	1.49% 6.76 g/lb	1.37%	1.31%
Phosphorus %DM	0.26% 1.18 g/lb	0.26%	0.29%
Magnesium %DM	0.38% 1.72 g/lb	0.36%	0.34%
Potassium %DM	2.08% 9.43 g/lb	2.19%	2.60%
Sulfur %DM	0.27%	0.26%	0.24%
Fat (EE) %DM	2.48%	2.30%	2.09%
Ash %DM	12.58%	10.55%	8.98%
Lignin %DM	6.42%	7.54%	5.92%
Sugar %DM	1.13%	2.35%	5.34%
NDF/ICP %DM	2.30%	2.10%	1.94%
pH	4.69		

NDF Digestibility: Traditional=Goering/Van Soest, Standardized=Combs-Goeser

Traditional NDFd as % of NDF-48HR	35.38%	37.94%	52.37%
Standardized NDFd as % of NDF-48HR	36.31%	36.78%	

NRC 2001 with Traditional Goering/Van Soest NDFd

TDN maintenance	48.37%		58.85%
NEL 3x maintenance Mcal/lb	0.48		0.60
Net energy of gain Mcal/lb	0.15		0.33
Net energy maintenance Mcal/lb	0.39		0.59

NRC 2001 with Standardized Combs-Goeser NDFd

TDN maintenance	48.69%		
NEL 3x maintenance Mcal/lb	0.49		
Net energy of gain Mcal/lb	0.15		
Net energy maintenance Mcal/lb	0.40		

Calculations

Relative Forage Quality	99		
Net energy lactation (ADF Calc) Mcal/lb	0.601		
Relative feed value	125		
N.F.C.	22.13%		

THIS SAMPLE MAY HAVE HAD SOME SOIL CONTAMINATION.



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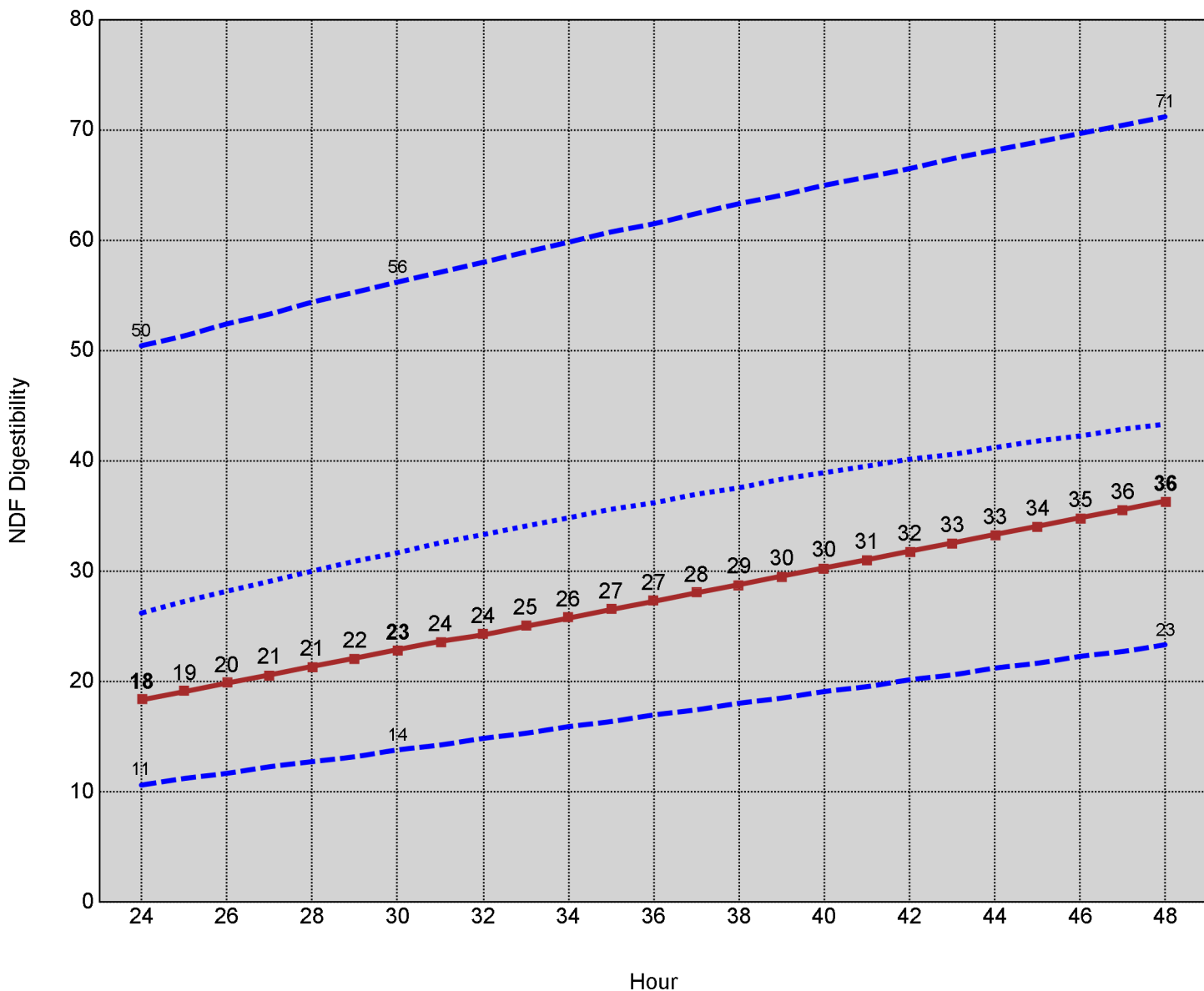
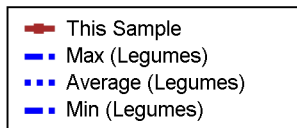
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NDF Digestibility Profile



aNDF (w/NaSO3) %DM = 45.3

Curves generated using an asymptotic regression model that predicts expected responses at 24, 36, and 48 hours.