Novera

Guaranteed Analysis		
	Dry Matter, %	97.0
	Crude Protein, %	38.0
	Fat, % (min)	3.2
	Fiber, % (max)	9.7

Typical Analysis

	As Fed Data	100% DM Data
Dry Matter	97	
Crude Protein	38	39.175
	% of Guaranteed Protein	
Soluble	14.833	14.833
Degradable	30.433	30.433
Undegradable	69.567	69.567
	As Fed Data	100% DM Data
Sugar A	12.162	12.539
Starch B1	6.774	6.984
NDF B2	17.107	17.636
	As Fed Data	100% DM Data
ADF	12.199	12.576
NDF	19.126	19.717
NFC	36.044	37.158
Crude Fat	4.182	4.312
Ash	7.065	7.284
NE lact(Mcal/cwt)	87.282	89.981

	As Fed Data	100% DM Data
Calcium	0.45	0.46
Phosphorus	1.1	1.13
Magnesium	0.52	0.54
Potassium	1.64	1.69
Sulfur	0.75	0.77
Sodium	0.08	0.09
Chlorine	0.13	0.13
	ppm	
Iron	183.43	189.10
Zinc	59.70	61.54
Copper	8.08	8.33
Manganese	45.51	46.92
Selenium	0.00	0.00
Cobalt	0.00	0.00
Iodine	0.00	0.00
	I.u./lb.	
Vitamin A	0.00	0.00
Vitamin D	0.00	0.00
Vitamin E	0.00	0.00

Amino Acids	% Total AA	% of UIP
Methionine	1.706	1.498
Lysine	5.37	5.765
Arginine	6.461	6.598
Threonine	4.011	4.379
Leucine	7.022	8.155
Isoleucine	4.016	4.672
Valine	4.815	5.935
Histidine	2.631	3.286
Phenylaline	4.425	4.867
Tryptophan	1.047	1.323
AA Dig		85.879

Fatty Acids	% As Fed	% DM
Lipolysis kd		500
Total FA	3.391	3.496
C12:0	0.001	0.007
C14:0	0	0.011
C16:0	0.215	0.566
C16:1	0.001	0.017
C18:0	0.029	0.109
C18:1T	0	0.013
C18:1C	0.051	1.217
C18:2	0.172	1.976
C18:3	0.042	0.341
		4.257

Technical Information

	As Fed Data	DM Data
% DM	97.000	97.000
% DM NDF	19.126	19.717
% NDF eNDF	0.306	1.600
% DM CP	38.000	39.175
% CP SolP	5.655	14.883
% CP UIP	26.435	69.567
% CP ADFIP	2.938	7.731
% DM Fat	4.182	4.312
% DM Fiber	8.695	8.964
% DM ADF	12.199	12.576
% DM Ash	7.065	7.284
% NFC Starch	6.774	18.794
% NFC Sugar	12.162	33.743
% NDF Lignin	3.548	18.553
% SolP NPN	3.573	63.184
% CP NDFIP	7.417	19.519

	As Fed	CPM
% DM Ca	0.451	0.465
% DM P	1.100	1.134
% DM Mg	0.520	0.537
% DM K	1.640	1.691
% DM S	0.751	0.774
% DM Na	0.083	0.086
% DM Cl	0.129	0.133
PPM Fe	183.430	189.103
PPM Zn	59.696	61.542
PPM Cu	8.083	8.333
PPM Mn	45.511	46.919
PPM Se	0.000	0.000
PPM Co	0.000	0.000
PPM I	0.000	0.000
KIU Vit A	0.000	0.000
KIU Vit D	0.000	0.000
IU Vit E	0.000	0.000

	Linear Dig UIP AA	AA% of UIP
% Methionine	0.340	1.498
% Lysine	1.309	5.765
% Arninine	1.498	6.598
% Threonine	0.994	4.379
% Leucine	1.851	8.155
% Isoleucine	1.061	4.672
% Valine	1.347	5.935
% Histidine	0.746	3.286
% Phenylalanine	1.105	4.867
% Tryptophan	0.300	1.323
% Digestible UIP	22.702	85.879

Metabolizable Amino Acids, % as fed

Feed	Bacterial	Total
0.340	0.049	0.389
1.309	0.150	1.459
1.498	0.128	1.625
0.994	0.102	1.097
1.851	0.138	1.989
1.061	0.108	1.168
1.347	0.113	1.46
0.746	0.049	0.795
1.105	0.095	1.199
0.300	0.030	0.33

RUMEN DYNAMICS (As Fed Basis)

CPM Model	Rumen Escape g/kg/hr	Rumen Degraded g/kg/hr	Intestional Digestibility %	Rumen Rate Contstant KD, %/h
Sugar A	2.813	118.811	100	300
Starch B1	16.199	51.542	75	22.6
Sol Fib B2	92.735	78.337	20	6
Avail Fib B3	8.275	23.649	20	20.3
Protein A	0.000	35.733		
Protein B1	0.714	20.107	100	200
Protein B2	194.505	54.769	100	2
Protein B3	39.756	5.038	80	0.9
Protein C	29.379		0	

NBC	% of CP	Prot B Kd	% RUP	RUP % Dig.
Protein A	13.235		60.051	80.148
Protein B	78.306	3.591		
Protein C	8.041			

Rate of Passage of Conc.		7.103
NFC	36.044	37.158
Lactating	As Fed	DM Basis
Peptides, %	20.175	22.195
TDN, %	76.781	79.155
DE, Mcal/kg	3.385	3.49
ME, Mcal/kg	2.988	3.08
NE, Mcal/kg	1.924	1.984
NE, Mcal/cwt	87.282	89.981
ME, Mj/kg	8.055	8.304
Growing		
Me, Mcal/kg	2.776	2.862
Nem, Mcal/kg	2.035	2.098
NE m,Mcal/kg	1.387	1.43

Note: % RUP @ DMI=4% BW and Forage=50% of DM