

Date: 3/15/2017

Rep: ABC

SLG BD

Protein & Amino Acid	%DM	60d	4 yr
Crude Protein	8.33	8.16	7.65
Total Amino Acid	6.50		
Sol. CP, % of CP	63.51		46.88
NH3-N CP Equivalent	0.94	1.00	
NH3-N, % of CP	11.25	12.30	11.96
ADICP	0.91	0.70	0.66
NDICP	1.14		1.19
ADICP, % of CP	10.92		
Available CP	7.42		
Nitrate-N			

Calculated Amino Acids

Lysine, % of CP	2.49
Methionine, % of CP	1.57
Histidine, % of CP	1.83

Minerals & Ash

Ash	3.96	4.21	4.13
Calcium	0.23	0.20	0.23
Phosphorus	0.23	0.21	
Magnesium	0.22	0.15	
Potassium	0.88	0.94	0.92
Sodium	0.00	0.01	0.04
Sulfur	0.08	0.10	0.11
Chloride	0.19	0.25	0.37
Aluminum	79.84		
Boron	4.01		
Copper	4.93		7.53
Iron	102.47		296.71
Manganese	19.12		27.59
Molybdenum			
Zinc	17.38		25.56

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Moisture: 69.11

Dry Matter: 30.89

Carbohydrates	%DM	60d	4 yr
ADF	23.91	23.05	
aNDF	38.63	37.02	44.40
aNDFom	37.40	35.64	40.41
Lignin	3.39	3.45	2.77
Starch	31.96	33.85	32.57
Sugar (ESC)	0.26	1.23	1.35
Sugar (WSC)	2.76		3.05
Glucose			
Fructose			
Sucrose			
Lactose			
Mannitol			
Crude Fiber			

Fermentation Products

pH	3.87		4.36
Lactic Acid	4.87	4.02	4.49
Acetic Acid	2.82	2.07	1.94
Butyric Acid	0.00	0.06	0.07
Propionic Acid			
Succinic			
Formic			
Ethanol			
1,2 Propanediol			
1 Propanol			
2,3 Butanediol			
2 Butanol			
2 Propanol			
Total Acids			
Total Alcohols			
Fermentation Shrink	3.34		3.15

Fat	%DM	60d	4 yr
Ether Extract	3.10	2.79	2.12
Total Fatty Acid	1.99		
	% of FA	60d	4 yr
Myristic (C14:0)	0.30		
Palmitic (C16:0)	13.02		
Stearic (C18:0)	1.99		
Oleic (C18:1 c9)	21.57		
Linoleic (C18:2 c9,12)	49.51		
Linolenic (C18:3 c9,12,15)	3.85		
RUFAL	74.93		

Nutrient Digestion, % of nutrient**Prefixes: s=standard, t=traditional*

tNDFD30	54.80	54.09	54.06
tNDFD48	66.14	62.21	64.29
tNDFD120	67.19	64.00	77.10
tNDFD240	76.34		80.50
tNDFD30om	58.11		
tNDFD120om	69.88		
tNDFD240om	78.58		
sNDFD24	18.59	21.54	21.09
sNDFD30	21.72	25.40	29.08
sNDFD48	46.78	46.71	47.29
uNDF30, % DM	17.46		
uNDF240, % DM	9.14		8.64
uNDF30om, % DM	15.67		
uNDF240om, % DM	8.01		
in situ rumen starchD 0h	34.40		
in situ rumen starchD 3h	81.05		65.00
in situ rumen starchD 7h	90.78		75.00
in situ rumen starchD 16h	94.24		90.00
in situ RUP 16h			
RUP intest. dig., % RUP			



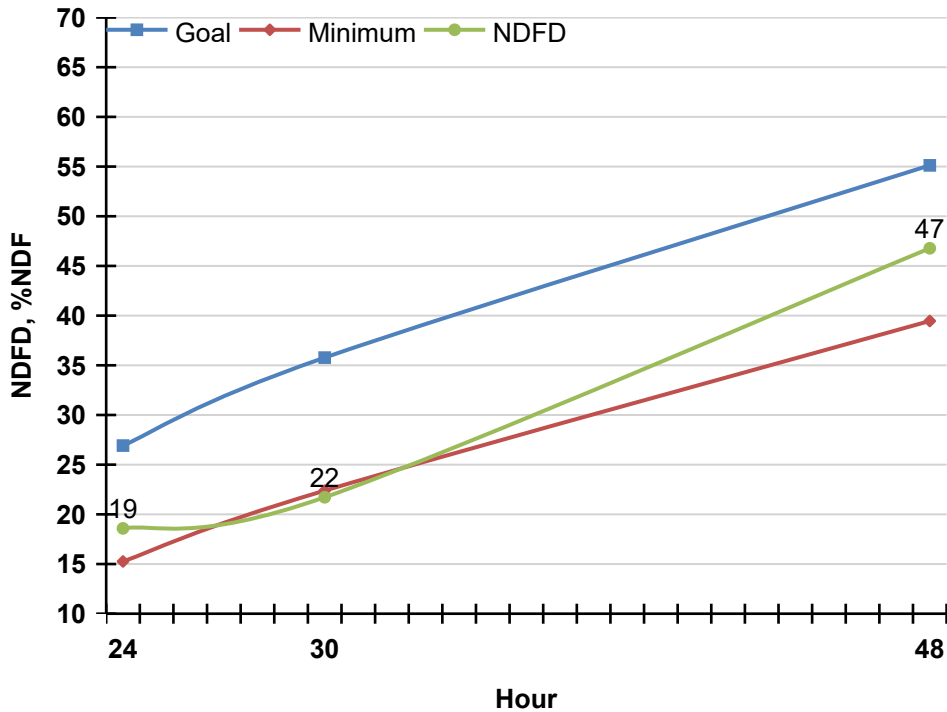
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Calculations	%DM	60d	4 yr
Dynamic NDF kd, %/h	3.99	4.18	3.72
Dynamic Starch Kd, %/h	33.19		
RFV			
RFQ			
TTNDFD, % of NDF	40.93	40.61	42.84
Total Tract Starch Dig			
NFC	47.12		
DCAD	12.02	11.08	7.97
Salt			

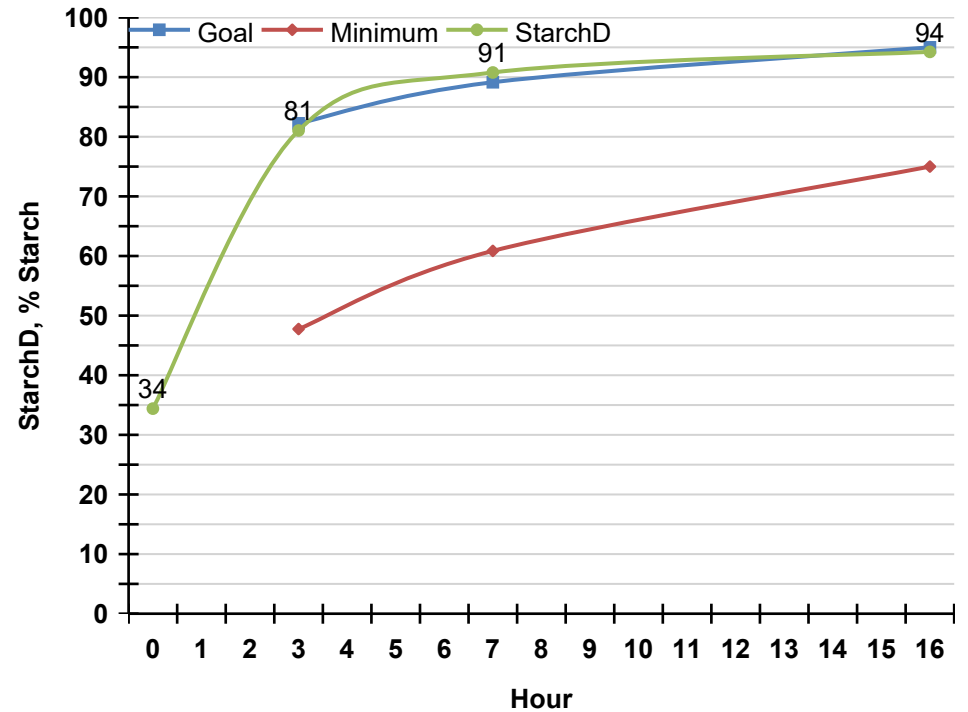
Energy Calculations	NEG	NEM
ADF (PA) TDN	70.08	0.514
ADF (PA) NEL	0.728	
OARDC TDN	73.06	0.559
OARDC NEL	0.757	
NRC2001 TDN		
NRC2001 NEL		
TDN, Milk2006	73.68	0.568
NEL 3x, Milk2006	0.729	
Milk/Ton, Milk2006	3478	
California TDN 90% DM		

Anti-Nutrients
Mold
Yeast
Vomitoxin
Aflatoxin
Zearalenone
Fumonisin
T-2
Ochratoxin-A
<i>Clostridium perfringens</i>
<i>Salmonella & Enterococcus</i>

NDF Digestion Curve



Starch Digestion Curve



Minerals by ICP