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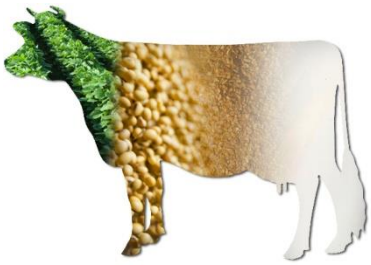

NUTRIENT PROFILE, dry matter basis

Dry Matter, %	88.00
Protein, %	50.00
RUP, % of CP	72.00
RDP, % of CP	28.00
SIP, % of CP	10.00
NPN, % of soluble protein	25.44
Fat, %	1.20
Saturated fatty acids, %	0.20
Unsaturated fatty acids, %	1.00
ADF, %	9.20
ADIP, % of DM	1.00
NDF, % w/o sulfite - CPM	20.88
NDF, % w/ sulfite - NRC	14.86
NDFom, %	14.66
NDIP, % of DM - CPM	9.37
NDIP, % of DM - NRC	4.80
NFC, % - CPM	30.19
NFC, % - NRC	26.84
Starch, %	0.50
Sugar, %	10.00
peNDF, % of NDF	20.00
Lignin, %	1.10
TDN[A], %	80.70
Digestible Energy[A] mcal/lb	1.83
Metabolizable Energy[A], mcal/lb	1.50
Net Energy Lactation[A] , mcal/lb	0.97
Net Energy Gain[A] , mcal/lb	0.73
Net Energy Maintenande[A] , mcal/lb	1.05

A= calculated based on equations published in the NRC 2001 Nutrient Requirements of Dairy Cattle

NRC Input

Protein A, % of CP	7.00
Protein B, % of CP	93.00
Protein C, % of CP	0.00
Protein Digestion Rate, %/hr	2.00
RUP Digestibility, %	93.0

Amino Acids, % of RUP	
Lysine	6.17
Methionine	1.57
Arginine	7.01
Threonine	4.18
Leucine	7.99
Isoleucine	4.73
Valine	5.48
Histidine	2.51
Phenylalanine	5.15
Tryptophan	1.39
Minerals	
Calcium, %	0.50
Phosphorus, %	0.73
Chloride, %	0.05
Magnesium, %	0.34
Potassium, %	2.40
Sodium, %	0.02
Sulfur, %	0.41
Cobalt, ppm	0.03
Copper, ppm	16.50
Manganese, ppm	40.00
Zinc, ppm	53.00
Iron, ppm	121.00
Ash, %	7.00

CNCPS Input

	Kd %/h	Int Dig %
Prot A1, Kd, %/hr	200	100
Prot A2, Kd , %/hr	15	100
Prot B1, Kd, %/hr	4	100
Prot B2, Kd, %/hr	3	85
CHO A4, Kd, %/hr	40	100
CHO B1, Kd, %/hr	25	75
CHO B2, Kd, %/hr	25	75
CHO B3, Kd, %/hr	5.4	20
$uNDF_{240}$, % of DM	2.03	

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