

*NRC85

*

*

VAR:

LTE:

GTE:

EQU:

FUNCTION:

cDM

cCP

cA

cDIB

cUIB

cC

cTDN

cIDM

cFPA

cBCP

cBTP

cRAP

cDBP

cMPA

cMilk

cLPA

cAP

cDUP

cUIP

cRIP

cIP

cDIP

cNE1

cDIPx

cUIPx

cNDFlo

cNDFhi

cForDM

END:

=====

MILK OUTPUT, kg/d

SPA+UPA+RPA+YPA =

ANIMAL-DEPENDENT FACTORS TABLE

W, kg

FS, kg/kg
Milk, kg/d
BF, %
PP, %
DBW, kg/d
T, d
TBW, kg
Gain, kg/d
HF, kg/kg
DMI_{max}, kg/d
MPNMPA, g/g
LPNLPA, g/g
YPNYPA, g/g
RPNRPA, g/g
FPAIDM, g/g

FEED-DEPENDENT FACTORS TABLE

Inter feed #
ANALYSIS
Forage, %DM
DM, %
NE1, Mcal/kg
TDN, %DM
NDF, %DM
CP, %DM
A, %CP
B, %CP
C, %CP

CALCULATED DEGRADABILITY

kd, %/h
kp, %/h
DIP, %CP
UIP, %CP

COSTS

\$/kg

NRC (1985) DEGRADABILITY

DIP, %CP
UIP, %CP

RUMEN & BACTERIAL-DEPENDENT FACTORS TABLE

BTPBCP, g/g
DBPBTP, g/g
BCPRAP, g/g
DNPNCB, g/g

RIPIP, g/g

Sheet1

LEAST COST LP MODEL FOR LACTATING DIARY COW
BASED ON 1985 NRC DEGRADABLE PROTEIN SYSTEM

29

1

3

24

MIN:

0.0385 ALFHCS 0.0330 CORNS 0.3300

1.000 ALFHCS	1.000 CORNS	1.000
172.000 ALFHCS	80.000 CORNS	496.000
110.768 ALFHCS	52.160 CORNS	84.320
14.076 ALFHCS	7.038 CORNS	254.850
39.588 ALFHCS	9.522 CORNS	156.830
8.256 ALFHCS	11.280 CORNS	0.000
0.590 ALFHCS	0.700 CORNS	0.810
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
1.30 ALFHCS	1.59 CORNS	1.86
0.000 ALFHCS	0.000 CORNS	0.000
0.000 ALFHCS	0.000 CORNS	0.000
0.500 ALFHCS	0.510 CORNS	0.140
0.500 ALFHCS	0.510 CORNS	0.140
1.000 ALFHCS	0.500 CORNS	0.000

36.30

115.10

600.00

Sheet1

1.00
36.30
3.50
3.00
0.00
0.00
34.00
0.00
1.00
22.00
0.67
0.65
0.50
0.50
90.00

ALFHCS

CORNS
3-02-823

100.00	50.00
40.00	35.00
1.30	1.59
59.00	70.00
50.00	51.00
17.20	8.00
64.40	65.20
31.20	20.70
4.80	14.10
1.60	3.40
4.50	4.60
72.50	74.00
27.50	26.00
0.0385	0.0330
80.00	73.00
20.00	27.00

0.80
0.80
0.90
1.00

Sheet1

0.15

Sheet1

FROM: J DAIRY SCI
72:2733-2745
1989

MANY TYPOs WERE FOUND IN THE TEXT
THE MATRIX BELOW SHOULD BE CORRECT

SBM44	0.1100 GRCORN	0.2090 BREWGR	0.2310
SBM44	1.000 GRCORN	1.000 BREWGR	1.000
SBM44	100.000 GRCORN	260.000 BREWGR	298.000
SBM44	24.100 GRCORN	66.300 BREWGR	149.298
SBM44	37.950 GRCORN	85.354 BREWGR	68.305
SBM44	37.950 GRCORN	77.146 BREWGR	54.173
SBM44	0.000 GRCORN	31.200 BREWGR	26.224
SBM44	0.880 GRCORN	0.660 BREWGR	0.880
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	2.03 GRCORN	1.50 BREWGR	2.03
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.000 GRCORN	0.000 BREWGR	0.000
SBM44	0.090 GRCORN	0.120 BREWGR	0.120
SBM44	0.090 GRCORN	0.120 BREWGR	0.120
SBM44	0.000 GRCORN	0.000 BREWGR	0.000

Sheet1

SBM44 5-04-604	GRCORN 4-21-018	BREWGR 5-02-141
0.00	0.00	0.00
89.00	89.00	92.00
1.86	2.03	1.50
81.00	88.00	66.00
14.00	9.00	12.00
49.60	10.00	26.00
17.00	24.10	25.50
83.00	75.90	62.50
0.00	0.00	12.00
7.80	4.40	5.20
4.80	4.40	4.70
68.40	62.00	58.30
31.60	38.00	41.70
0.3300	0.1100	0.2090
72.00	35.00	47.00
28.00	65.00	53.00

DISTGR 5-02-843	UREA 5-05-070
0.00	0.00
92.00	99.00
2.03	0.00
88.00	0.00
12.00	0.00
29.80	281.00
50.10	100.00
41.10	0.00
8.80	0.00
5.80	0.00
4.60	0.00
73.00	100.00
27.00	0.00
0.2310	0.3010
38.00	100.00
62.00	0.00

Sheet1

0 TDN	0 IDM	0 FPA	0 BCP	0 BTP	0 RAP	0 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
-1.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
-0.920 TDN	-1.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	90.00 IDM	-1.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
163.250 TDN	0.000 IDM	0.000 FPA	-1.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.80 BCP	-1.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	1.111 BCP	0.000 BTP	-1.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.80 BTP	0.000 RAP	-1.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	1.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	-1.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	1.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	1.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP
0.000 TDN	0.000 IDM	0.000 FPA	0.000 BCP	0.000 BTP	0.000 RAP	0.000 DBP

0 DIP		*RHS
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	199.125
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	115.10
0.000 DIP	=	36.30
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	=	0.000
-1.000 DIP	=	0.000
0.000 DIP	>=	9.698
-1.000 DIP	=	0.000
0.000 DIP	=	0.000
0.000 DIP	>=	6.600
0.000 DIP	<=	7.200
0.000 DIP	>=	0.000