

Farm Contact	Ron Olson	Chuck Ripp Graham Webster	Jeff Rortved	Steve Woodford	Jim Stelse
Farm Name	Bethany Valley	Ripps Dairy Valley	Siemers Holstein Farm Inc.	Tom & Gin Kestell & Sons	JC KOW Farms Partnership
Location	Comstock	Dane	Newton	Waldo	Whitewater
<u>RHA, lb</u>					
Milk	33356	31557	33544	36045	36729
Fat	1343	1151	1226	1350	1202
TP	1062	927	1000	1091	1081
Cheese Yield	3597	3102	3322	3645	3395
Milking frequency	3x	3x	3x	3x	3x
No. Milking	100	875	2274	85	146
MLM, lb.	114	100	104	128	108
Basis	Herd	HGRP	HGRP	Herd	Herd
DIM	169	184	129	215	213
Milk, lb/d	108	110	111	104	100
Fat %	3.83	3.63	3.45	4.26	3.21
TP%	3.21	2.95	2.90	3.08	3.00
MUN, mg%	12	....	....	....	....
SCC, x1000	196	234	141	255	239
BST, % of herd	60	60	50	70	70
Stall Stocking, %	110	121	121	Tie-stalls	100
Bunk space, ft.	1.8	2.0	1.3	Tie-stalls	1.6
feeding frequency	5x	1x	2x	2x	2x
push-up frequency	0	5x	12x	6x	4x
refusal target, %	0	3	3	3	2
DMI, lb/d	68	65	63	57	61
Milk/Feed	1.59	1.69	1.76	1.82	1.64
FCM/Feed	1.55	1.60	1.62	1.90	1.45
No. of milking cow formulations	1	1	3	1	1
Feed testing frequency, d	30	30	30	30	30
Feed DM frequency, d	3	as needed	7	as needed	as needed
Ration formulation frequency	30	30	30	30	30
<u>Mixer</u>					
Make	Valmetal	Kuhn-Knight	Supreme	Valmetal	Knight
Type	4-auger	4-auger	Twin Vertical Screw	4-auger	Vertical Screw

	Chuck Ripp			Steve	
	Ron Olson	Graham Webster	Jeff Rortvedt	Woodford	Jim Stelse
Basis	Herd	HGRP	HGRP	Herd	Herd
DMI, lb	68	65	63	57	61
% of DM					
Hay	1.9	1.5	....	6.0	2.7
Haylage	32.8	15.0	23.2	29.3	27.7
Corn silage	18.8	33.7	27.5	25.0	25.9
Forage	53.5	50.2	50.7	60.2	56.4
CS: Forage	35	67	54.2	41.5	46.0
HMC	24.7	18.8	5.9	18.7	21.5
DGSC	....	....	13.5	....	....
Corn starch	....	....	....	....	1.3
Ground Oats	....	....	....	6.3	....
Whey permeate	6.6	4.5	....	....	....
Molasses	....	....	2.3	0.2	0.4
WCS	4.0	5.1	4.4	3.1	1.6
Dried corn gluten feed	....	5.9	2.8	....	....
Distillers dried grains	....	2.3	....	....	4.1
Soy Hulls	....	....	2.1	....	0.7
Roasted soybeans	4.8	....	....	5.0	4.8
Soybean meal, 48% solv.	....	2.1	5.9	....	4.4
Expeller soybean meal	....	5.2	4.3	2.1	1.7
Canola Meal	....	....	1.7	....	....
CGM60	....	....	0.7	....	0.9
Animal-protein blend	....	2.0	....	1.0	....
Blood meal	1.7	....	....	....	0.6
Blood Meal-Protected Fat Blend	....	....	1.1	....	....
Fish Meal	0.69	....	....	....	....
Urea	....	0.2	....	....	....
EB 100	1.2	....	0.8	....	....
Calcium salts of palm oil	....	0.6	....	....	....
Animal fat	....	0.2	0.3	....	1.4
Salt	0.15	....	0.33	....	0.50
<u>HGRP Feed Additives</u>					
Biotin	X	X	X	X	....
EDDI	X	X	....	....	....
Mycotoxin binder	....	X	X	X	....
Organic Co, Cu, Mn, Zn	X	X	X	....	X
Organic Se	X	X	X	X	x
RP Met	X	X	X	X	....
Rumensin	X	X	X	X	X
Sodium Bicarbonate	....	X	....	X	....
Sodium Sesqui-carbonate	X	....	X	....	X
Yeast	X	X	X	X	....

	Chuck Ripp Graham				
	Ron Olson	Webster	Jeff Rortvedt	Steve Woodford	Jim Stelse
Basis	Herd	HGRP	HGRP	Herd	Herd
Model	NRC-01	CPM	CNCPS	NRC-01	CNCPS
Company	Vita Plus	Private Consultant	Hubbard	Private Consultant	Landmark Coop.
DMI, lb	68	65	63	57	61
DM, % as fed	42.4	47.9	48.6	52.5	49.9
<u>% of DM</u>					
CP	17.5	16.0	17.4	16.3	16.7
RUP	6.3	6.9	6.3	5.4	6.0
	36	43	36	33	36
RDP	11.2	9.1	11.1	10.9	10.7
	64	57	64	67	64
NDF	24.7	28.9	31.3	29.0	28.8
NDF-forage	19.9	21.0	22.8	23.6	21.4
NFC	45.8	43.9	40.4	40.0	42.6
Starch	24.7	25.9	24.8	24.5	25.0
Fat	5.7	5.0	4.9	4.4	5.4
Ca	0.98	0.74	1.00	1.05	0.91
P	0.39	0.40	0.39	0.33	0.33
Mg	0.38	0.38	0.38	0.31	0.27
K	1.82	1.37	1.64	1.90	1.45
S	0.24	0.25	0.25	0.18	0.19
<u>AA, % of MP</u>					
Lys	6.53	6.78	6.29	6.60	6.95
Met	2.17	2.44	2.29	2.20	1.77
Lys: Met	3.0	2.8	2.8	3.0	3.9
<u>Vits, IU/cow/d</u>					
A	307500	249600	200340	131504	189772
D	53635	72800	45486	46026	43392
E	1538	1945	1002	658	807
Rumensin, mg/cow/d	400	420	315	413	303

Haylage	Olson		Chuck Ripp	Jeff Rortvedt	Steve	Jim Stelse
	a	b	Graham Webster		Woodford	
DM, % as fed	39.8	32.9	45.8	45.7	44.0	42.7
<u>% of DM</u>						
CP	21.8	25.5	17.3	18.6	20.0	19.8
NDF	36.8	37.7	46.6	46.8	34.0	34.9
NFC	29.4	24.6	21.5	25.6	25.0	34.6
Ash	9.8	10.5	12.6	8.7	10.0	9.3
TDN1x NRC-01	63.2	61.6	55.5	59.3	64.6	63.0
RFV	168	165	121	122	181	174
RFQ	.....	.....	.....	157	.....	176

Corn Silage	Olson	Chuck Ripp		Steve	
		Graham Webster	Jeff Rortvedt	Woodford	Jim Stelse
DM, % as fed	34.9	33.7	29.0	28.0	33.0
<u>% of DM</u>					
CP	8.2	7.1	8.6	8.0	6.3
NDF	36.6	37.8	43.2	40.0	40.8
IVNDFD, 30 h % of NDF	....	52	52	....	59
NFC	49.4	48.8	42.8	40.0	48.3
Starch	33.6	34.3	33.2	35.0	36.2
Ash	2.5	3.5	4.8	4.3	3.6
TDN1x NRC-01	74.2	75.2	72.0	73.0	73.9

Corn Grain	Chuck Ripp Graham			Steve	
	Olson	Webster	Jeff Rortvedt	Woodford	Jim Stelse
	HMC	HMC	HMC	HMC	HMC
DM, % as fed	68.2	71.0	66.5	66.0	72.8
<u>% of DM</u>					
CP	9.3	9.7	8.8	8.5	9.2
NDF	7.9	8.3	12.5	9.0	14.1
Starch	69.6	68.7	69.0	75.0	66.4