

## DAIRY COW - 21000 Lb Production - Corn Silage / Barley Silage Ration

**100 COWS**

**21000 LBS PRODUCTION PER COW**

**94 % CONCEPTION RATE**

**35 % COWS LEAVING HERD ANNUALLY**

**4.0 % ANNUAL COW DEATH LOSS**

ITEM	HEAD	UNIT	PRICE	QUANTITY	TOTAL	Your Farm
<b>1. GROSS RECEIPTS</b>						
Milk		Cwt	\$18.50	21000.00	\$388,500.00	_____
Cull Cows & Heifers	31 @	Cwt	\$55.00	403.00	\$22,165.00	_____
Bull Calves	_____	Head	\$78.37	47	\$3,683.39	_____
Dairy Heifers & Cows	_____	Head	\$1,300.00	5	\$6,500.00	_____
Cooperative Distributions		Head	\$54.72	100	\$5,472.00	_____
Crop Sales					\$0.00	_____
OTHER					\$0.00	_____
<b>2. TOTAL GROSS RECEIPTS</b>			\$4,263.20 Per Cow		<b>\$426,320.39</b>	_____
<b>3. VARIABLE COSTS</b>						
	Feed Loss					
Corn Silage, KP	8.0%	Ton	\$48.00	1590.28	\$76,333.44	_____
Barley Silage	8.0%	Ton	\$90.00	84.24	\$7,581.60	_____
Alfalfa Hay	5.0%	Ton	\$180.00	73.76	\$13,276.80	_____
Orchardgrass Hay	5.0%	Ton	\$140.00	142.64	\$19,969.60	_____
SBOM 48%	2.0%	Ton	\$395.00	87.44	\$34,538.80	_____
Corn Grain	2.0%	Bushel	\$5.50	5277.77	\$29,027.74	_____
Corn Distillers w/ SOL.	2.0%	Ton	\$267.95	62.22	\$16,671.85	_____
Roasted Soybeans	2.0%	Ton	\$445.00	46.67	\$20,768.15	_____
Other Feed	2.0%	Ton	\$0.00	0.00	\$0.00	_____
Other Feed	2.0%	Ton	\$0.00	0.00	\$0.00	_____
Other Feed	2.0%	Ton	\$0.00	0.00	\$0.00	_____
Pasture		Acre	\$21.00	125.00	\$2,625.00	_____
Minerals		Head	\$47.50	100.00	\$4,750.00	_____
Milk Replacer		Cwt	\$110.00	27.00	\$2,970.00	_____
Calf Grower		Cwt	\$28.00	235.00	\$6,580.00	_____
Breeding		Head	\$44.75	100.00	\$4,475.00	_____
Vet & Medicine		Head	\$104.72	100.00	\$10,472.00	_____
Hoof Trimming		Head	\$12.10	100.00	\$1,210.00	_____
Supplies		Head	\$138.92	100.00	\$13,892.00	_____
DHIA		Head	\$20.99	100.00	\$2,099.00	_____
Hauling Milk		Cwt	\$1.02	21000	\$21,420.00	_____
Assessment/Advertising/Etc.		Cwt	\$0.26	21000	\$5,512.50	_____
Market Cull Cattle	_____ \$/Head	Head	\$19.30	31	\$598.30	_____
Building & Fence Repairs		Head	\$47.24	100.00	\$4,723.50	_____
Machinery (Non-Crop)		Head	\$60.00	100.00	\$6,000.00	_____
Utilities		Head	\$87.00	100.00	\$8,700.00	_____
Labor (FTE's)	2.4 42 Cows per	FTE	\$26,912.50	1.40	\$37,677.50	_____
Farm Insurance		Head	\$46.32	100.00	\$4,632.00	_____
Custom Hire		Head	\$90.03	100.00	\$9,003.00	_____
Farm/Land Rent		Head	\$78.44	100.00	\$7,844.00	_____
Taxes		Head	\$37.52	100.00	\$3,752.00	_____
Other Expenses		Head	\$123.82	100.00	\$12,382.00	_____
<b>4. TOTAL VARIABLE COSTS (Excludes Interest)</b>			\$3,894.86 Per Cow		<b>\$389,485.78</b>	_____
<b>5. ANNUAL DEBT PAYMENTS</b>					\$0.00	_____
<b>6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, &amp; OPERATOR LABOR</b>			\$368.35 Per Cow		<b>\$36,834.61</b>	_____

7. Price Sensitivity Analysis

(Excludes Interest)

Percent Change in Total Gross Receipts

		-10%	-4%	-2%	0%	2%	4%	10%
--- Net Cash Return over Total Variable Costs per Cow ---								
	-4%	\$97.82	\$353.61	\$438.88	\$524.14	\$609.40	\$694.67	\$950.46
Percent	-2%	\$19.92	\$275.72	\$360.98	\$446.24	\$531.51	\$616.77	\$872.56
Change in	0%	(\$57.97)	\$197.82	\$283.08	<b>\$368.35</b>	\$453.61	\$538.87	\$794.67
Total Variable	2%	(\$135.87)	\$119.92	\$205.18	\$290.45	\$375.71	\$460.98	\$716.77
Costs	4%	(\$213.77)	\$42.02	\$127.29	\$212.55	\$297.82	\$383.08	\$638.87
	10%	(\$447.46)	(\$191.67)	(\$106.40)	(\$21.14)	\$64.12	\$149.39	\$405.18

2% Table Sensitivity Increment

8. RATIONS

		Lactating Cows	Lactating Cows	Dry Cows	Bred Heifers	Open Heifers 500-800#	Heifers 300-500#	Total Tons
Number of Head =		100	100	100	40	43	47	
Days Fed =		185	120	60	365	200	134	
	Unit							
Corn Silage, KP	.bs/Head/Day	68.0	60.0	25.0	37.0	19.0	18.0	1472
Barley Silage	.bs/Head/Day	0.0	13.0	0.0	0.0	0.0	0.0	78
Alfalfa Hay	.bs/Head/Day	5.0	4.0	0.0	0.0	0.0	0.0	70
Orchardgrass Hay	.bs/Head/Day	0.0	0.0	18.0	5.5	7.5	3.0	136
SBOM 48%	.bs/Head/Day	3.5	3.5	0.0	3.0	1.7	1.0	86
Corn Grain	.bs/Head/Day	9.5	9.5	0.0	0.0	0.0	0.0	145
Corn Distillers w/ SOL	.bs/Head/Day	4.0	4.0	0.0	0.0	0.0	0.0	61
Roasted Soybeans	.bs/Head/Day	3.0	3.0	0.0	0.0	0.0	0.0	46
Other Feed	.bs/Head/Day	0.0	0.0	0.0	0.0	0.0	0.0	0
Other Feed	.bs/Head/Day	0.0	0.0	0.0	0.0	0.0	0.0	0
Other Feed	.bs/Head/Day	0.0	0.0	0.0	0.0	0.0	0.0	0

ANNUAL DEBT SERVICE

Item	Amount Borrowed	Percent Interest	Length of Loan	Percent to Dairy	Annual Payment
Bred Heifers	0	0.00%	0	100%	\$0.00
Item Name	0	0.00%	0	100%	\$0.00
Item Name	0	0.00%	0	100%	\$0.00
Item Name	0	0.00%	0	100%	\$0.00
Item Name	0	0.00%	0	100%	\$0.00
Item Name	0	0.00%	0	100%	\$0.00
<b>TOTAL ANNUAL DEBT PAYMENTS</b>					<b>\$0.00</b>

Notes: