

## DAIRY COW - 27000 Lb Production - Corn Silage / Barley Silage Ration

**100 COWS**

**27000 LBS PRODUCTION PER COW**

**94 % CONCEPTION RATE**

**37 % 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	27000.00	\$499,500.00	_____
Cull Cows & Heifers	33 @	13.00 Cwt	\$55.00	429.00	\$23,595.00	_____
Bull Calves	_____	Head	\$78.37	47	\$3,683.39	_____
Dairy Heifers & Cows	_____	Head	\$1,700.00	3	\$5,100.00	_____
Cooperative Distributions		Head	\$54.72	100	\$5,472.00	_____
Crop Sales					\$0.00	_____
OTHER					\$0.00	_____
<b>2. TOTAL GROSS RECEIPTS</b>				\$5,373.50 Per Cow	<b>\$537,350.39</b>	_____
<b>3. VARIABLE COSTS</b>						
	Feed Loss					
Corn Silage, KP	8.0%	Ton	\$48.00	1485.52	\$71,304.96	_____
Barley Silage	8.0%	Ton	\$90.00	116.64	\$10,497.60	_____
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	126.34	\$49,904.30	_____
Corn Grain	2.0%	Bushel	\$5.50	8114.46	\$44,629.53	_____
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	27000	\$27,540.00	_____
Assessment/Advertising/Etc.		Cwt	\$0.26	27000	\$7,087.50	_____
Market Cull Cattle	_____ \$/Head	Head	\$19.30	33	\$636.90	_____
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>				\$4,260.74 Per Cow	<b>\$426,074.19</b>	_____
<b>5. ANNUAL DEBT PAYMENTS</b>					\$0.00	_____
<b>6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, &amp; OPERATOR LABOR</b>				\$1,112.76 Per Cow	<b>\$111,276.20</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%	\$745.84	\$1,068.25	\$1,175.72	\$1,283.19	\$1,390.66	\$1,498.13	\$1,820.54
Percent	-2%	\$660.63	\$983.04	\$1,090.51	\$1,197.98	\$1,305.45	\$1,412.92	\$1,735.33
Change in	0%	\$575.41	\$897.82	\$1,005.29	<b>\$1,112.76</b>	\$1,220.23	\$1,327.70	\$1,650.11
Total Variable	2%	\$490.20	\$812.61	\$920.08	\$1,027.55	\$1,135.02	\$1,242.49	\$1,564.90
Costs	4%	\$404.98	\$727.39	\$834.86	\$942.33	\$1,049.80	\$1,157.27	\$1,479.68
	10%	\$149.34	\$471.75	\$579.22	\$686.69	\$794.16	\$901.63	\$1,224.04

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	Lbs/Head/Day	64.0	50.0	25.0	37.0	19.0	18.0	1375
Barley Silage	Lbs/Head/Day	0.0	18.0	0.0	0.0	0.0	0.0	108
Alfalfa Hay	Lbs/Head/Day	5.0	4.0	0.0	0.0	0.0	0.0	70
Orchardgrass Hay	Lbs/Head/Day	0.0	0.0	18.0	5.5	7.5	3.0	136
SBOM 48%	Lbs/Head/Day	6.0	6.0	0.0	3.0	1.7	1.0	124
Corn Grain	Lbs/Head/Day <sup>56</sup>	15.0	14.0	0.0	0.0	0.0	0.0	223
Corn Distillers w/ SOL	Lbs/Head/Day	4.0	4.0	0.0	0.0	0.0	0.0	61
Roasted Soybeans	Lbs/Head/Day	3.0	3.0	0.0	0.0	0.0	0.0	46
Other Feed	Lbs/Head/Day	0.0	0.0	0.0	0.0	0.0	0.0	0
Other Feed	Lbs/Head/Day	0.0	0.0	0.0	0.0	0.0	0.0	0
Other Feed	Lbs/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: