

## DAIRY COW - 21000 Lb Production - Corn Silage / Alfalfa Haylage 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	\$20.37	21000.00	\$427,770.00	_____
Cull Cows & Heifers	31 @	13.00 Cwt	\$50.00	403.00	\$20,150.00	_____
Bull Calves	_____	Head	\$78.37	47	\$3,683.39	_____
Dairy Heifers & Cows	_____	Head	\$1,100.00	5	\$5,500.00	_____
Cooperative Distributions		Head	\$54.72	100	\$5,472.00	_____
Crop Sales					\$0.00	_____
OTHER					\$0.00	_____
<b>2. TOTAL GROSS RECEIPTS</b>				\$4,625.75 Per Cow	<b>\$462,575.39</b>	_____
<b>3. VARIABLE COSTS</b>						
	Feed Loss					
Corn Silage, KP	8.0%	Ton	\$48.00	1688.69	\$81,057.12	_____
Alfalfa Haylage	8.0%	Ton	\$90.00	296.46	\$26,681.40	_____
Alfalfa Hay	5.0%	Ton	\$180.00	0.00	\$0.00	_____
Orchardgrass Hay	5.0%	Ton	\$140.00	187.68	\$26,275.20	_____
SBOM 48%	2.0%	Ton	\$395.00	91.36	\$36,087.20	_____
Corn Grain	2.0%	Bushel	\$5.50	5555.36	\$30,554.48	_____
Corn Distillers w/ SOL.	2.0%	Ton	\$222.50	62.22	\$13,843.95	_____
Roasted Soybeans	2.0%	Ton	\$400.00	46.67	\$18,668.00	_____
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	\$81.00	27.00	\$2,187.00	_____
Calf Grower		Cwt	\$13.00	235.00	\$3,055.00	_____
Breeding		Head	\$42.00	100.00	\$4,200.00	_____
Vet & Medicine		Head	\$115.00	100.00	\$11,500.00	_____
bST (Posilac)		Head	\$0.00	100.00	\$0.00	_____
Hoof Trimming		Head	\$14.44	100.00	\$1,444.00	_____
Supplies		Head	\$143.91	100.00	\$14,391.00	_____
DHIA		Head	\$29.00	100.00	\$2,900.00	_____
Hauling Milk		Cwt	\$0.80	21000	\$16,800.00	_____
Assessment/Advertising/Etc.		Cwt	\$0.26	21000	\$5,512.50	_____
Market Cull Cattle	_____ \$/Head	Head	\$18.00	31	\$558.00	_____
Building & Fence Repairs		Head	\$167.92	100.00	\$16,792.00	_____
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	\$76.53	100.00	\$7,653.00	_____
Farm/Land Rent		Head	\$60.32	100.00	\$6,032.00	_____
Taxes		Head	\$30.75	100.00	\$3,075.00	_____
Other Expenses		Head	\$138.60	100.00	\$13,860.00	_____
<b>4. TOTAL VARIABLE COSTS (Excludes Interest)</b>				\$4,075.11 Per Cow	<b>\$407,511.35</b>	_____
<b>5. ANNUAL DEBT PAYMENTS</b>					\$0.00	_____
<b>6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, &amp; OPERATOR LABOR</b>				\$550.64 Per Cow	<b>\$55,064.04</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%	\$251.07	\$528.61	\$621.13	\$713.64	\$806.16	\$898.68	\$1,176.22
Percent	-2%	\$169.57	\$447.11	\$539.63	\$632.14	\$724.66	\$817.17	\$1,094.72
Change in	0%	\$88.07	\$365.61	\$458.13	<b>\$550.64</b>	\$643.16	\$735.67	\$1,013.22
Total Variable	2%	\$6.56	\$284.11	\$376.62	\$469.14	\$561.65	\$654.17	\$931.71
Costs	4%	(\$74.94)	\$202.61	\$295.12	\$387.64	\$480.15	\$572.67	\$850.21
	10%	(\$319.45)	(\$41.90)	\$50.61	\$143.13	\$235.64	\$328.16	\$605.70

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 =		305	0	60	365	365	365	
	Unit							
Corn Silage, KP	Lbs/Head/Day	60.0	0.0	25.0	37.0	19.0	18.0	1564
Alfalfa Haylage	Lbs/Head/Day	18.0	0.0	0.0	0.0	0.0	0.0	275
Alfalfa Hay	Lbs/Head/Day	0.0	0.0	0.0	0.0	0.0	0.0	0
Orchardgrass Hay	Lbs/Head/Day	0.0	0.0	18.0	5.5	7.5	3.0	179
SBOM 48%	Lbs/Head/Day	3.0	0.0	0.0	3.0	1.7	1.0	90
Corn Grain	Lbs/Head/Day <sup>56</sup>	10.0	0.0	0.0	0.0	0.0	0.0	153
Corn Distillers w/ SOL	Lbs/Head/Day	4.0	0.0	0.0	0.0	0.0	0.0	61
Roasted Soybeans	Lbs/Head/Day	3.0	0.0	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: