

DAIRY COW - 24000 Lb Production - Corn Silage / Barley Silage Ration

100 COWS

24000 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
1. GROSS RECEIPTS						
Milk		Cwt	\$20.37	24000.00	\$488,880.00	_____
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	_____
2. TOTAL GROSS RECEIPTS				\$5,236.85 Per Cow	\$523,685.39	_____
3. VARIABLE COSTS						
Feed Loss						
Corn Silage, KP	8.0%	Ton	\$48.00	1633.88	\$78,426.24	_____
Barley Silage	8.0%	Ton	\$90.00	97.20	\$8,748.00	_____
Alfalfa Hay	5.0%	Ton	\$180.00	73.76	\$13,276.80	_____
Orchardgrass Hay	5.0%	Ton	\$140.00	187.68	\$26,275.20	_____
SBOM 48%	2.0%	Ton	\$395.00	122.47	\$48,375.65	_____
Corn Grain	2.0%	Bushel	\$5.50	7777.50	\$42,776.25	_____
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	_____
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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	24000	\$19,200.00	_____
Assessment/Advertising/Etc.		Cwt	\$0.26	24000	\$6,300.00	_____
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	_____
4. TOTAL VARIABLE COSTS (Excludes Interest)				\$4,279.22 Per Cow	\$427,921.59	_____
5. ANNUAL DEBT PAYMENTS					\$0.00	_____
6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, & OPERATOR LABOR				\$957.64 Per Cow	\$95,763.80	_____

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 ---								
Percent	-4%	\$605.12	\$919.33	\$1,024.07	\$1,128.81	\$1,233.54	\$1,338.28	\$1,652.49
Change in	-2%	\$519.54	\$833.75	\$938.49	\$1,043.22	\$1,147.96	\$1,252.70	\$1,566.91
Total Variable	0%	\$433.95	\$748.16	\$852.90	\$957.64	\$1,062.38	\$1,167.11	\$1,481.32
Costs	2%	\$348.37	\$662.58	\$767.32	\$872.05	\$976.79	\$1,081.53	\$1,395.74
	4%	\$262.78	\$577.00	\$681.73	\$786.47	\$891.21	\$995.94	\$1,310.15
	10%	\$6.03	\$320.24	\$424.98	\$529.72	\$634.45	\$739.19	\$1,053.40

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	365	365	
	Unit							
Corn Silage, KP	Lbs/Head/Day	61.0	50.0	25.0	37.0	19.0	18.0	1513
Barley Silage	Lbs/Head/Day	0.0	15.0	0.0	0.0	0.0	0.0	90
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	179
SBOM 48%	Lbs/Head/Day	5.0	5.0	0.0	3.0	1.7	1.0	120
Corn Grain	Lbs/Head/Day ⁵⁶	14.0	14.0	0.0	0.0	0.0	0.0	214
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
TOTAL ANNUAL DEBT PAYMENTS					\$0.00

Notes: