

DAIRY COW - 18000 Lb Production - Corn Silage / Barley Silage Ration

100 COWS

18000 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	18000.00	\$366,660.00	_____
Cull Cows & Heifers	31 @	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				\$4,014.65 Per Cow	\$401,465.39	_____
3. VARIABLE COSTS						
	Feed Loss					
Corn Silage, KP	8.0%	Ton	\$48.00	1738.64	\$83,454.72	_____
Barley Silage	8.0%	Ton	\$90.00	71.28	\$6,415.20	_____
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	83.58	\$33,014.10	_____
Corn Grain	2.0%	Bushel	\$5.50	4940.81	\$27,174.46	_____
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	_____
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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	18000	\$14,400.00	_____
Assessment/Advertising/Etc.		Head	\$0.26	18000	\$4,725.00	_____
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)				\$3,932.79 Per Cow	\$393,278.93	_____
5. ANNUAL DEBT PAYMENTS					\$0.00	_____
6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, & OPERATOR LABOR				\$81.86 Per Cow	\$8,186.46	_____

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%	(\$162.29)	\$78.59	\$158.88	\$239.18	\$319.47	\$399.76	\$640.64
Percent	-2%	(\$240.95)	(\$0.07)	\$80.23	\$160.52	\$240.81	\$321.11	\$561.99
Change in	0%	(\$319.60)	(\$78.72)	\$1.57	\$81.86	\$162.16	\$242.45	\$483.33
Total Variable	2%	(\$398.26)	(\$157.38)	(\$77.08)	\$3.21	\$83.50	\$163.79	\$404.67
Costs	4%	(\$476.91)	(\$236.03)	(\$155.74)	(\$75.45)	\$4.85	\$85.14	\$326.02
	10%	(\$712.88)	(\$472.00)	(\$391.71)	(\$311.41)	(\$231.12)	(\$150.83)	\$90.05

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	65.0	60.0	25.0	37.0	19.0	18.0	1610
Barley Silage	Lbs/Head/Day	0.0	11.0	0.0	0.0	0.0	0.0	66
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	2.5	2.5	0.0	3.0	1.7	1.0	82
Corn Grain	Lbs/Head/Day ⁵⁶	8.5	9.5	0.0	0.0	0.0	0.0	136
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: