

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
1. GROSS RECEIPTS						
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	_____
2. TOTAL GROSS RECEIPTS			\$4,263.20 Per Cow		\$426,320.39	_____
3. VARIABLE COSTS						
	Feed Loss					
Corn Silage, KP	8.0%	Ton	\$48.00	1510.36	\$72,497.28	_____
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	142.64	\$19,969.60	_____
SBOM 48%	2.0%	Ton	\$395.00	79.67	\$31,469.65	_____
Corn Grain	2.0%	Bushel	\$5.50	5555.36	\$30,554.48	_____
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	_____
4. TOTAL VARIABLE COSTS (Excludes Interest)			\$3,899.30 Per Cow		\$389,930.21	_____
5. ANNUAL DEBT PAYMENTS					\$0.00	_____
6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, & OPERATOR LABOR			\$363.90 Per Cow		\$36,390.18	_____

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%	\$93.55	\$349.35	\$434.61	\$519.87	\$605.14	\$690.40	\$946.19
Change in	-2%	\$15.57	\$271.36	\$356.62	\$441.89	\$527.15	\$612.42	\$868.21
Total Variable	0%	(\$62.42)	\$193.37	\$278.64	\$363.90	\$449.17	\$534.43	\$790.22
Costs	2%	(\$140.40)	\$115.39	\$200.65	\$285.92	\$371.18	\$456.44	\$712.24
	4%	(\$218.39)	\$37.40	\$122.67	\$207.93	\$293.19	\$378.46	\$634.25
	10%	(\$452.35)	(\$196.56)	(\$111.29)	(\$26.03)	\$59.24	\$144.50	\$400.29

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	200	134	
	Unit							
Corn Silage, KP	Lbs/Head/Day	60.0	0.0	25.0	37.0	19.0	18.0	1398
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	136
SBOM 48%	Lbs/Head/Day	3.0	0.0	0.0	3.0	1.7	1.0	78
Corn Grain	Lbs/Head/Day ⁵⁶	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
TOTAL ANNUAL DEBT PAYMENTS					\$0.00

Notes: