

DAIRY COW - 18000 Lb Production - Corn Silage / Alfalfa Haylage 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 @	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				\$4,014.65 Per Cow	\$401,465.39	_____
3. VARIABLE COSTS						
	Feed Loss					
Corn Silage, KP	8.0%	Ton	\$48.00	1688.69	\$81,057.12	_____
Alfalfa Haylage	8.0%	Ton	\$90.00	247.05	\$22,234.50	_____
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	83.58	\$33,014.10	_____
Corn Grain	2.0%	Bushel	\$5.50	4999.82	\$27,499.01	_____
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	\$98.00	27.00	\$2,646.00	_____
Calf Grower		Cwt	\$24.00	235.00	\$5,640.00	_____
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)				\$3,967.92 Per Cow	\$396,792.38	_____
5. ANNUAL DEBT PAYMENTS					\$0.00	_____
6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, & OPERATOR LABOR				\$46.73 Per Cow	\$4,673.01	_____

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%	(\$196.02)	\$44.86	\$125.15	\$205.45	\$285.74	\$366.03	\$606.91
Percent	-2%	(\$275.38)	(\$34.50)	\$45.80	\$126.09	\$206.38	\$286.67	\$527.55
Change in	0%	(\$354.74)	(\$113.86)	(\$33.56)	\$46.73	\$127.02	\$207.32	\$448.20
Total Variable	2%	(\$434.09)	(\$193.21)	(\$112.92)	(\$32.63)	\$47.66	\$127.96	\$368.84
Costs	4%	(\$513.45)	(\$272.57)	(\$192.28)	(\$111.99)	(\$31.69)	\$48.60	\$289.48
	10%	(\$751.53)	(\$510.65)	(\$430.36)	(\$350.06)	(\$269.77)	(\$189.48)	\$51.40

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 =		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	15.0	0.0	0.0	0.0	0.0	0.0	229
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	2.5	0.0	0.0	3.0	1.7	1.0	82
Corn Grain	Lbs/Head/Day ⁵⁶	9.0	0.0	0.0	0.0	0.0	0.0	137
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: