

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	\$18.50	18000.00	\$333,000.00	_____
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	\$1,100.00	5	\$5,500.00	_____
Cooperative Distributions		Head	\$54.72	100	\$5,472.00	_____
Crop Sales					\$0.00	_____
OTHER					\$0.00	_____
2. TOTAL GROSS RECEIPTS			\$3,698.20 Per Cow		\$369,820.39	_____
3. VARIABLE COSTS						
	Feed Loss					
Corn Silage, KP	8.0%	Ton	\$48.00	1560.31	\$74,894.88	_____
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	142.64	\$19,969.60	_____
SBOM 48%	2.0%	Ton	\$395.00	71.89	\$28,396.55	_____
Corn Grain	2.0%	Bushel	\$5.50	4940.81	\$27,174.46	_____
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	_____
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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	\$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	18000	\$18,360.00	_____
Assessment/Advertising/Etc.		Cwt	\$0.26	18000	\$4,725.00	_____
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)			\$3,750.38 Per Cow		\$375,037.79	_____
5. ANNUAL DEBT PAYMENTS					\$0.00	_____
6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, & OPERATOR LABOR			-\$52.17 Per Cow		(\$5,217.40)	_____

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%	(\$271.98)	(\$50.09)	\$23.88	\$97.84	\$171.81	\$245.77	\$467.66
Percent	-2%	(\$346.99)	(\$125.09)	(\$51.13)	\$22.83	\$96.80	\$170.76	\$392.65
Change in	0%	(\$421.99)	(\$200.10)	(\$126.14)	(\$52.17)	\$21.79	\$95.75	\$317.65
Total Variable	2%	(\$497.00)	(\$275.11)	(\$201.15)	(\$127.18)	(\$53.22)	\$20.75	\$242.64
Costs	4%	(\$572.01)	(\$350.12)	(\$276.15)	(\$202.19)	(\$128.23)	(\$54.26)	\$167.63
	10%	(\$797.03)	(\$575.14)	(\$501.18)	(\$427.21)	(\$353.25)	(\$279.28)	(\$57.39)

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	200	134	
	Unit							
Corn Silage, KP	Lbs/Head/Day	65.0	60.0	25.0	37.0	19.0	18.0	1445
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	136
SBOM 48%	Lbs/Head/Day	2.5	2.5	0.0	3.0	1.7	1.0	70
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: