

GRAZING DAIRY COW - 16000 Lb Production

100 COWS

16000 LBS PRODUCTION PER COW

94 % CONCEPTION RATE

27 % COWS LEAVING HERD ANNUALLY

3.0 % ANNUAL COW DEATH LOSS

ITEM	HEAD	UNIT	PRICE	QUANTITY	TOTAL	Your Farm
1. GROSS RECEIPTS						
Milk		Cwt	\$18.50	16000.00	\$296,000.00	_____
Cull Cows & Heifers	24 @	13.00 Cwt	\$55.00	312.00	\$17,160.00	_____
Bull Calves	_____	Head	\$78.37	47	\$3,683.39	_____
Dairy Heifers & Cows	_____	Head	\$1,100.00	15	\$16,500.00	_____
Cooperative Distributions		Head	\$54.72	100	\$5,472.00	_____
Crop Sales					\$0.00	_____
OTHER					\$0.00	_____
2. TOTAL GROSS RECEIPTS			\$3,388.15 Per Cow		\$338,815.39	_____
3. VARIABLE COSTS						
Feed Loss						
Corn Silage, KP	8.0%	Ton	\$48.00	879.00	\$42,192.00	_____
Alfalfa Haylage	6.0%	Ton	\$90.00	159.00	\$14,310.00	_____
Alfalfa Hay	5.0%	Ton	\$180.00	80.06	\$14,410.80	_____
Orchardgrass Hay	5.0%	Ton	\$140.00	145.53	\$20,374.20	_____
SBOM 48%	2.0%	Ton	\$395.00	73.19	\$28,910.05	_____
Corn Grain	2.0%	Bushel	\$5.50	5277.77	\$29,027.74	_____
Corn Distillers w/ SOL.	2.0%	Ton	\$267.95	22.95	\$6,149.45	_____
Roasted Soybeans	2.0%	Ton	\$445.00	0.00	\$0.00	_____
Other Feed	2.0%	Ton	\$0.00	0.00	\$0.00	_____
Pasture:						
Alfalfa/Orchardgrass	0.50 Acres per Cow	Acre	\$70.00	50.00	\$3,500.00	_____
Orchardgrass/Clover	0.75 Acres per Cow	Acre	\$35.00	75.00	\$2,625.00	_____
Fescue/Clover	1.25 Acres per Cow	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 (AI & Bulls)		Head	\$42.00	100.00	\$4,200.00	_____
Vet & Medicine		Head	\$62.43	100.00	\$6,243.00	_____
Hoof Trimming		Head	\$1.14	100.00	\$114.00	_____
Supplies		Head	\$138.92	100.00	\$13,892.00	_____
DHIA		Head	\$20.99	100.00	\$2,099.00	_____
Hauling Milk		Cwt	\$1.02	16000	\$16,320.00	_____
Assessment/Advertising/Etc.		Cwt	\$0.26	16000	\$4,200.00	_____
Market Cull Cattle	\$/Head	Head	\$19.30	24	\$463.20	_____
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)			\$3,206.69 Per Cow		\$320,669.44	_____
5. ANNUAL DEBT PAYMENTS						\$0.00
6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, & OPERATOR LABOR			\$181.46 Per Cow		\$18,145.95	_____

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%	(\$29.09)	\$174.20	\$241.96	\$309.73	\$377.49	\$445.25	\$648.54
Percent	-2%	(\$93.22)	\$110.07	\$177.83	\$245.59	\$313.36	\$381.12	\$584.41
Change in	0%	(\$157.36)	\$45.93	\$113.70	\$181.46	\$249.22	\$316.99	\$520.27
Total Variable	2%	(\$221.49)	(\$18.20)	\$49.56	\$117.33	\$185.09	\$252.85	\$456.14
Costs	4%	(\$285.62)	(\$82.33)	(\$14.57)	\$53.19	\$120.95	\$188.72	\$392.01
	10%	(\$478.03)	(\$274.74)	(\$206.97)	(\$139.21)	(\$71.45)	(\$3.68)	\$199.61

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	42	44	47	
	Days Fed =	150	155	60	365	200	134	
	Unit							
Corn Silage, KP	Lbs/Head/Day	42.0	0.0	25.0	37.0	19.0	18.0	814
Alfalfa Haylage	Lbs/Head/Day	20.0	0.0	0.0	0.0	0.0	0.0	150
Alfalfa Hay	Lbs/Head/Day	5.0	5.0	0.0	0.0	0.0	0.0	76
Orchardgrass Hay	Lbs/Head/Day	0.0	0.0	18.0	5.5	7.5	3.0	139
SBOM 48%	Lbs/Head/Day	2.5	2.5	0.0	3.0	1.7	1.0	72
Corn Grain	Lbs/Head/Day ⁵⁶	9.5	9.5	0.0	0.0	0.0	0.0	145
Corn Distillers w/ SOL	Lbs/Head/Day	3.0	0.0	0.0	0.0	0.0	0.0	23
Roasted Soybeans	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
Forage from Pasture	Lbs/Head/Day	0.0	20.0	0.0	0.0	0.0	0.0	155
Forage from Pasture	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: