

Dairy Heifers Birth to Calving

100 Heifer Calves

26 Months Birth to Calving

5% Heifers Culled at Preg. Check

10% Mortality - Birth to Weaning

2% Mortality - Weaning to 300 Lbs.

5% Mortality - 300 Lbs to 500 Lbs.

2% Mortality - 500 Lbs to 800 Lbs.

1% Mortality - Breeding to Calving

ITEM	UNIT	PRICE	QUANTITY	TOTAL	Your Farm
1. GROSS RECEIPTS					
Springing Heifers	Head	\$1,500.00	77.41	\$116,108.87	_____
Cull Heifers	Head	\$750.00	4	\$3,071.66	_____
2. TOTAL GROSS RECEIPTS			\$1,462.31 Per Head	\$119,180.53	_____
3. VARIABLE COSTS					
Purchase Price	Head	\$0.00	100.00	\$0.00	_____
Procurement	Head	\$0.00	100.00	\$0.00	_____
Feed Loss					
Milk Replacer	Cwt	\$110.00	54.26	\$5,969.04	_____
Calf Grower	Cwt	\$28.00	108.53	\$3,038.78	_____
Corn Silage	Ton	\$45.00	826.82	\$37,206.77	_____
Barley Silage	Ton	\$30.00	0.00	\$0.00	_____
Alfalfa Hay	Ton	\$180.00	0.00	\$0.00	_____
Alfalfa Orchardgrass Hay	Ton	\$175.00	35.99	\$6,298.16	_____
Orchardgrass Hay	Ton	\$140.00	141.92	\$19,869.35	_____
Corn Grain	Bushel	\$5.50	490.40	\$2,697.20	_____
SBOM 48%	Ton	\$395.00	62.34	\$24,622.74	_____
Other Feed	Ton	\$0.00	0.00	\$0.00	_____
Grinding & Mixing	Cwt	\$1.40	1491.52	\$2,088.12	_____
Minerals	Cwt	\$26.00	68.00	\$1,768.00	_____
Vet & Medicine	Head	\$92.42	77	\$7,116.23	_____
Supplies	Head	\$5.00	82	\$410.00	_____
Bedding	Head	\$9.00	82	\$738.00	_____
Stockpiled Fescue	Acre	\$51.00	0	\$0.00	_____
Pasture	Acre	\$21.00	61.43	\$1,290.03	_____
Haul Culls	Head	\$3.75	4	\$15.00	_____
Market Culls	Head	\$33.50	4	\$134.00	_____
Building & Fence Repairs	Head	\$6.00	82	\$492.00	_____
Utilities	Head	\$7.50	82	\$615.00	_____
Other, (insurance etc.)	Head	\$2.00	82	\$164.00	_____
Machinery (Non-Crop)	Head	\$14.91	82	\$1,222.62	_____
Labor	Hours	\$0.00	3887	\$0.00	_____
Operating Interest	Dollars	6.00%	\$115,606.00	\$6,936.36	_____
4. TOTAL VARIABLE COSTS			\$1,585.04 Per Heifer	\$122,691.42	_____
5. ANNUAL DEBT PAYMENTS				\$0.00	_____
6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, & FAMILY LABOR			(\$45.36) Per Head	(\$3,510.89)	_____

7. Price Sensitivity Analysis

		Percent Change in Feed Costs						
		-25%	-10%	-5%	0%	5%	10%	25%
		--- Total Net Variable Costs per Springing Heifer ---						
Percent	-10%	\$2,340.94	\$2,772.57	\$2,916.44	\$3,060.32	\$3,204.20	\$3,348.08	\$3,779.71
Change in	-5%	\$2,353.30	\$2,784.93	\$2,928.80	\$3,072.68	\$3,216.56	\$3,360.43	\$3,792.07
Non-Feed	0%	\$2,365.65	\$2,797.29	\$2,941.16	\$3,085.04	\$3,228.92	\$3,372.79	\$3,804.42
Costs	5%	\$2,378.01	\$2,809.64	\$2,953.52	\$3,097.40	\$3,241.28	\$3,385.15	\$3,816.78
	10%	\$2,390.37	\$2,822.00	\$2,965.88	\$3,109.76	\$3,253.63	\$3,397.51	\$3,829.14
	25%	\$2,427.45	\$2,859.08	\$3,002.96	\$3,146.83	\$3,290.71	\$3,434.59	\$3,866.22

5% Table Sensitivity Increment

8. FEED RATIONS

Feed	Number Head = Days Fed =	Unit	Birth to	Weaning	300 Lbs	500 Lbs	800 Lbs to	Preg Check	Quantity (Tons)
			Weaning	to 300 Lbs	to 500 Lbs	to 800 Lbs	Preg Check	to Calving	
			95	89	86	83	82	77	
			56	67	134	200	120	215	
Milk Replacer	Lbs/Head/Day 100		1.00	0.00	0.00	0.00	0.00	0.00	2.66
Calf Grower	Lbs/Head/Day 100		2.00	0.00	0.00	0.00	0.00	0.00	5.32
Corn Silage	Lbs/Head/Day		0.00	0.00	18.00	19.00	37.00	37.00	751.65
Barley Silage	Lbs/Head/Day		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alfalfa Hay	Lbs/Head/Day		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alfalfa Orchardgrass Hay	Lbs/Head/Day		3.00	3.00	3.00	0.00	0.00	0.00	34.28
Orchardgrass Hay	Lbs/Head/Day		0.00	0.00	0.00	7.50	5.50	5.50	135.17
Corn Grain	Lbs/Head/Day 56		0.00	4.50	0.00	0.00	0.00	0.00	13.46
SBOM 48%	Lbs/Head/Day		0.00	0.50	1.00	1.70	3.00	3.00	61.11
Other Feed	Lbs/Head/Day		0.00	0.00	0.00	0.00	0.00	0.00	0.00

9. ANNUAL DEBT SERVICE

Item	Amount Borrowed	Percent Interest	Length of Loan	Percent to Beef	Annual Payment
Item Name	0	8.00%	0	100%	\$0.00
Item Name	0	8.00%	0	100%	\$0.00
Item Name	0	8.00%	0	100%	\$0.00

TOTAL ANNUAL DEBT PAYMENTS

\$0.00

10. ANIMAL HEALTH PROGRAM

	Quantity	Price	Cost per Head	Head	TOTALS
Vitamin E & Selenium	1 Dose @	0.36 /Dose	\$0.36	95	\$34.20
Vitamin A & D	1 Dose @	0.24 /Dose	\$0.24	95	\$22.80
Clostridium Diseases	1 Dose @	1.58 /Dose	\$1.58	83	\$131.14
Fly Tags	2 Tags @	1.51 /Each	\$3.02	86	\$259.72
IBR PI3 BVD BRSV + Lepto	2 Dose @	1.72 /Dose	\$3.44	86	\$295.84
Clostridium Diseases	2 Dose @	1.58 /Dose	\$3.16	83	\$262.28
Pour-on De-wormer 350 Lbs	5 ml./100 lbs	62.20 /Liter	\$1.09	86	\$93.61
Bangs Vaccination (RB-51)	1 Dose @	3.50 /Dose	\$3.50	86	\$301.00
Fly Tags	2 Tags @	1.51 /Each	\$3.02	83	\$250.66
Clostridium Diseases	1 Dose @	1.58 /Dose	\$1.58	83	\$131.14
IBR PI3 BVD BRSV + Lepto + Vibrio	1 Dose @	2.04 /Dose	\$2.04	83	\$169.32
Pour-on De-wormer 750 Lbs	5 ml./100 lbs	62.20 /Liter	\$2.33	82	\$191.27
Pour-on De-wormer 1050 Lbs	5 ml./100 lbs	62.20 /Liter	\$3.27	77	\$251.44
E. Coli, Rota and Corona Vaccination	2 Dose @	1.42 /Dose	\$2.84	77	\$218.68
Estrus Synchronization / AI	1 AI Breeding	35.00 /Head	\$35.00	82	\$2,870.00
Pregnancy Check	1 Checks @	3.50 /Head	\$3.50	82	\$287.00
Strategic Antibiotic Use 10%	1 Dose @	8.00 /Dose	\$8.00	100	\$800.00
SUB-TOTAL HEIFERS					\$6,570.10
Your Farm Veterinarian	4 Trip(s) @	\$250 Per Trip			\$1,000.00
TOTAL HEALTH COST =					\$7,570.10

Trade and brand names are used only for the purpose of providing information. Virginia Cooperative Extension does not guarantee or warrant the standard of any product named to the exclusion of others which also may be suitable.