

Beef Cows Spring Calving - Corn Silage Ration

100 COWS & BRED HEIFERS

90 % CONCEPTION RATE

85 % WEANED CALVES PER COW EXPOSED

40 COWS PER BULL

30 % of Heifers Weaned Kept as Replacements

14 % ANNUAL CULLING RATE

1.0 % ANNUAL COW DEATH LOSS

ITEM	HEAD	CWT	UNIT	PRICE	QUANTITY	TOTAL	Your Farm
1. GROSS RECEIPTS							
Steers	43 @	6.00	Cwt	\$115.00	258.00	\$29,670.00	_____
Heifers	29 @	5.50	Cwt	\$105.00	159.50	\$16,747.50	_____
Cull Cows & Heifers	13 @	11.50	Cwt	\$50.00	149.50	\$7,475.00	_____
Cull Bull	1 @	17.00	Cwt	\$65.00	17.00	\$1,105.00	_____
2. TOTAL GROSS RECEIPTS					\$549.98 Per Cow	\$54,997.50	_____
3. VARIABLE COSTS							
Feed Loss							
Corn Silage	5.0%		Ton	\$45.00	0.00	\$0.00	_____
Alfalfa Hay, Bloom	5.0%		Ton	\$180.00	0.00	\$0.00	_____
Mixed Hay, 2nd Cutting	5.0%		Ton	\$150.00	0.00	\$0.00	_____
Grass Hay, Average	10.0%		Ton	\$100.00	116.00	\$11,599.50	_____
Corn Grain	2.0%		Bushel	\$5.50	532.70	\$2,929.85	_____
SBOM 48%	2.0%		Ton	\$395.00	0.00	\$0.00	_____
Other Feed	5.0%		Ton	\$0.00	0.00	\$0.00	_____
Grinding & Mixing			Cwt	\$1.40	0.00	\$0.00	_____
Salt & Mineral	68.00	Lbs per Cow	Cwt	\$22.00	68.00	\$1,496.00	_____
Vet & Medicine		\$/Head	Head	\$24.03	100	\$2,403.28	_____
Supplies			Head	\$2.00	100	\$200.00	_____
Replacement Bull			Head	\$2,500.00	1	\$2,500.00	_____
Stockpiled Pasture	0.67	Acres per Cow	Acre	\$51.00	67	\$3,417.00	_____
Pasture	2.50	Acres per Cow	Acre	\$21.00	250	\$5,250.00	_____
Haul Cull Cattle			Head	\$5.20	14	\$72.80	_____
Market Cull Cattle		\$/Head	Head	\$15.26	14	\$213.60	_____
Haul Calves			Head	\$3.75	72	\$270.00	_____
Market Calves		\$/Head	Head	\$16.39	72	\$1,180.35	_____
Building & Fence Repairs			Head	\$14.40	100	\$1,440.00	_____
Utilities			Head	\$3.29	100	\$329.00	_____
Other,(insurance etc.)			Head	\$5.72	100	\$572.00	_____
Machinery (Non-Crop)			Head	\$14.91	100	\$1,491.00	_____
Labor	8	Hours per Cow	Hours	\$0.00	800	\$0.00	_____
Operating Interest	6	Months	Dollars	7.00%	\$ 33,628	\$1,176.98	_____
4. TOTAL VARIABLE COSTS					\$365.41 Per Cow	\$36,541.36	_____
5. ANNUAL DEBT PAYMENTS						\$0.00	_____
6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, & FAMILY LABOR					\$184.56 Per Cow	\$18,456.14	_____

7. Price Sensitivity Analysis

		Percent Change in Total Gross Receipts						
		-25%	-10%	-5%	0%	5%	10%	25%
		--- Net Cash Return over Total Variable Costs per Cow ---						
Percent	-10%	\$83.61	\$166.11	\$193.60	\$221.10	\$248.60	\$276.10	\$358.60
Change in	-5%	\$65.34	\$147.83	\$175.33	\$202.83	\$230.33	\$257.83	\$340.33
Total Variable	0%	\$47.07	\$129.56	\$157.06	\$184.56	\$212.06	\$239.56	\$322.06
Costs	5%	\$28.80	\$111.29	\$138.79	\$166.29	\$193.79	\$221.29	\$303.78
	10%	\$10.53	\$93.02	\$120.52	\$148.02	\$175.52	\$203.02	\$285.51
	25%	(\$44.29)	\$38.21	\$65.71	\$93.21	\$120.71	\$148.21	\$230.70

5% Table Sensitivity

8. FEED RATIONS (AS-FED BASIS)

Feed	Unit	Cows	Bulls	Calves	Yearling Heifers	1 st Calf Heifers	Additional Head	Total Quantity (Tons)
		Number Head =						
		87	3	85	14	13	0	
		Days Fed =	75	75	0	75	75	0
Corn Silage	Lbs/Head/Day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alfalfa Hay, Bloom	Lbs/Head/Day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mixed Hay, 2nd Cutting	Lbs/Head/Day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grass Hay, Average	Lbs/Head/Day	26.00	32.00	0.00	12.00	22.00	0.00	105.45
Corn Grain	Lbs/Head/Day	2.75	3.35	0.00	6.10	4.25	0.00	14.62
SBOM 48%	Lbs/Head/Day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
Heifers	0	10.00%	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

10. ANIMAL HEALTH PROGRAM (BQA)

100 COWS		3 BULLS			
Fly Tags		2 Tags @	1.35 /Each		\$2.70
Pour-on De-wormer	1200 Lbs	0 ml./100 lbs	80.00 /Liter		\$0.00
Pour-on De-licer	1200 Lbs	3 ml./100 lbs	37.72 /Liter		\$0.03
Lepto 5 + Vibrio		1 Dose @	0.77 /Dose		\$0.77
7-way clostridial		1 Dose @	0.49 /Dose		\$0.49
IBR PI3 BVD BRSV		1 Dose @	1.72 /Dose		\$1.72
Estrus Synchronization / AI		0 AI Breeding	27.00 /Head		\$0.00
Pregnancy Check		0 Checks @	3.50 /Head		\$0.00
SUB-TOTAL COWS & BULLS					\$588.13
85 CALVES					
Fly Tags		2 Tags @	1.35 /Each		\$2.70
7-way clostridial		2 Dose @	0.49 /Dose		\$0.98
IBR PI3 BVD BRSV		2 Dose @	1.72 /Dose		\$3.44
Pasteurella with leukotoxoid		1 Dose @	1.81 /Dose		\$1.81
Selenium		1 Dose @	0.38 /Dose		\$0.38
Pour-on De-wormer	350 Lbs	5 ml./100 lbs	80.00 /Liter		\$1.40
Implant Steers		2 Implants @	0.84 / Implant		\$1.68
SUB-TOTAL CALVES					\$981.75
14 REPLACEMENT HEIFERS					
Bangs Vaccination (RB-51)		1 Dose @	3.50 /Dose		\$3.50
Fly Tags		2 Tags @	1.35 /Each		\$2.70
7-way clostridial		1 Dose @	0.49 /Dose		\$0.49
IBR PI3 BVD BRSV		1 Dose @	1.72 /Dose		\$1.72
Lepto 5 + Vibrio		2 Dose @	0.77 /Dose		\$1.54
Pour-on De-wormer	750 Lbs	5 ml./100 lbs	80.00 /Liter		\$3.00
SUB-TOTAL REPLACEMENT HEIFERS					\$132.30
13 FIRST CALF HEIFERS				All other costs included with cows.	
Pour-on De-wormer	1050 Lbs	5 ml./100 lbs	80.00 /Liter		\$4.20
Estrus Synchronization / AI		1 AI Breeding	27.00 /Head		\$27.00
Pregnancy Check		1 Checks @	3.50 /Head		\$3.50
SUB-TOTAL FIRST CALF HEIFERS					\$451.10
Your Farm Veterinarian		1 Trip(s) @	\$250 Per Trip		\$250.00
(Includes Breeding Soundness Exam on Bulls)					
TOTAL HEALTH COST FOR HERD =					\$2,403.28

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