

## Beef Cows Fall 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
<b>1. GROSS RECEIPTS</b>							
Steers	43 @	6.50	Cwt	\$115.00	279.50	\$32,142.50	_____
Heifers	29 @	6.00	Cwt	\$104.00	174.00	\$18,096.00	_____
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	_____
<b>2. TOTAL GROSS RECEIPTS</b>					<b>\$588.19 Per Cow</b>	<b>\$58,818.50</b>	_____
<b>3. VARIABLE COSTS</b>							
Feed Loss							
Corn Silage	5.0%		Ton	\$45.00	598.26	\$26,921.51	_____
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	0.00	\$0.00	_____
Corn Grain	2.0%		Bushel	\$5.50	0.00	\$0.00	_____
SBOM 48%	2.0%		Ton	\$395.00	11.60	\$4,582.48	_____
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	\$28.13	100	\$2,813.18	_____
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	2.75	Acres per Cow	Acre	\$21.00	275	\$5,775.00	_____
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	\$17.46	72	\$1,256.77	_____
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%	\$ 51,537	\$1,803.80	_____
<b>4. TOTAL VARIABLE COSTS</b>					<b>\$551.54 Per Cow</b>	<b>\$55,154.14</b>	_____
<b>5. ANNUAL DEBT PAYMENTS</b>						<b>\$0.00</b>	_____
<b>6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, &amp; FAMILY LABOR</b>					<b>\$36.64 Per Cow</b>	<b>\$3,664.36</b>	_____

### 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%	(\$55.25)	\$32.98	\$62.39	\$91.80	\$121.21	\$150.62	\$238.84
Change in	-5%	(\$82.83)	\$5.40	\$34.81	\$64.22	\$93.63	\$123.04	\$211.27
Total Variable	0%	(\$110.40)	(\$22.17)	\$7.23	<b>\$36.64</b>	\$66.05	\$95.46	\$183.69
Costs	5%	(\$137.98)	(\$49.75)	(\$20.34)	\$9.07	\$38.48	\$67.88	\$156.11
	10%	(\$165.56)	(\$77.33)	(\$47.92)	(\$18.51)	\$10.90	\$40.31	\$128.54
	25%	(\$248.29)	(\$160.06)	(\$130.65)	(\$101.24)	(\$71.83)	(\$42.42)	\$45.80

5% Table Sensitivity

8. FEED RATIONS (AS-FED BASIS)

Feed	Unit	Cows	Bulls	Calves	Yearling Heifers	1 <sup>st</sup> Calf Heifers	Additional Head	Total Quantity (Tons)
		Number Head =						
		87	3	85	14	13	0	
		Days Fed =	135	135	0	135	135	0
Corn Silage	Lbs/Head/Day	75.00	91.00	0.00	57.00	65.00	0.00	569.77
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corn Grain	Lbs/Head/Day	56	0.00	0.00	0.00	0.00	0.00	0.00
SBOM 48%	Lbs/Head/Day	1.75	0.00	0.00	0.00	1.25	0.00	11.37
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		1 Checks @	3.50 /Head		\$3.50
SUB-TOTAL COWS & BULLS					\$892.63
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	500 Lbs	5 ml./100 lbs	80.00 /Liter		\$2.00
Implant Steers		2 Implants @	0.84 / Implant		\$1.68
SUB-TOTAL CALVES					\$1,032.75
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	800 Lbs	5 ml./100 lbs	80.00 /Liter		\$3.20
SUB-TOTAL REPLACEMENT HEIFERS					\$184.10
13 FIRST CALF HEIFERS				All other costs included with cows.	
Pour-on De-wormer	1100 Lbs	5 ml./100 lbs	80.00 /Liter		\$4.40
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					\$453.70
Your Farm Veterinarian		1 Trip(s) @	\$250 Per Trip		\$250.00
( Includes Breeding Soundness Exam on Bulls )					
<b>TOTAL HEALTH COST FOR HERD =</b>					<b>\$2,813.18</b>

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