

## 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	\$105.00	174.00	\$18,270.00	_____
Cull Cows & Heifers	13 @	11.50	Cwt	\$55.00	149.50	\$8,222.50	_____
Cull Bull	1 @	17.00	Cwt	\$65.00	17.00	\$1,105.00	_____
<b>2. TOTAL GROSS RECEIPTS</b>						<b>\$597.40 Per Cow</b>	<b>\$59,740.00</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	\$30.20	100	\$3,020.36	_____
Supplies			Head	\$2.00	100	\$200.00	_____
Replacement Bull			Head	\$2,500.00	1	\$2,500.00	_____
Stockpiled Pasture	0.00	Acres per Cow	Acre	\$51.00	0	\$0.00	_____
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	\$16.33	14	\$228.55	_____
Haul Calves			Head	\$3.75	72	\$270.00	_____
Market Calves		\$/Head	Head	\$17.50	72	\$1,260.25	_____
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	6.00%	\$ 48,327	\$1,449.81	_____
<b>4. TOTAL VARIABLE COSTS</b>						<b>\$516.09 Per Cow</b>	<b>\$51,608.77</b>
<b>5. ANNUAL DEBT PAYMENTS</b>							<b>\$0.00</b>
<b>6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, &amp; FAMILY LABOR</b>						<b>\$81.31 Per Cow</b>	<b>\$8,131.23</b>

### 7. Price Sensivity 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%	(\$16.43)	\$73.18	\$103.05	\$132.92	\$162.79	\$192.66	\$282.27
Change in	-5%	(\$42.23)	\$47.38	\$77.25	\$107.12	\$136.99	\$166.86	\$256.47
Total Variable	0%	(\$68.04)	\$21.57	\$51.44	<b>\$81.31</b>	\$111.18	\$141.05	\$230.66
Costs	5%	(\$93.84)	(\$4.23)	\$25.64	\$55.51	\$85.38	\$115.25	\$204.86
	10%	(\$119.65)	(\$30.04)	(\$0.17)	\$29.70	\$59.57	\$89.44	\$179.05
	25%	(\$197.06)	(\$107.45)	(\$77.58)	(\$47.71)	(\$17.84)	\$12.03	\$101.64

5% Table Sensivity

**8. FEED RATIOS (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	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 @	1.51 /Each		\$3.02
Pour-on De-wormer	1200 Lbs	0 ml./100 lbs	62.20 /Liter		\$0.00
Pour-on De-icer	1200 Lbs	3 ml./100 lbs	29.17 /Liter		\$0.03
Clostridium Diseases		2 Dose @	1.58 /Dose		\$3.16
IBR PI3 BVD BRSV + Lepto + Vibrio		1 Dose @	2.04 /Dose		\$2.04
Estrus Synchronization / AI		0 AI Breeding	27.00 /Head		\$0.00
Pregnancy Check		1 Checks @	3.50 /Head		\$3.50
SUB-TOTAL COWS & BULLS					\$1,154.25
85 CALVES					
Fly Tags		2 Tags @	1.51 /Each		\$3.02
Clostridium Diseases + Pasteurella		2 Dose @	1.84 /Dose		\$3.67
IBR PI3 BVD BRSV + Lepto		1 Dose @	1.63 /Dose		\$1.63
Selenium		1 Dose @	0.36 /Dose		\$0.36
Pour-on De-wormer	500 Lbs	5 ml./100 lbs	62.20 /Liter		\$1.56
Implant Steers		2 Implants @	1.25 / Implant		\$2.50
SUB-TOTAL CALVES					\$976.23
14 REPLACEMENT HEIFERS					
Bangs Vaccination (RB-51)		1 Dose @	3.50 /Dose		\$3.50
Fly Tags		2 Tags @	1.51 /Each		\$3.02
Clostridium Diseases		2 Dose @	1.58 /Dose		\$3.16
IBR PI3 BVD BRSV + Lepto + Vibrio		1 Dose @	2.04 /Dose		\$2.04
Pour-on De-wormer	800 Lbs	5 ml./100 lbs	62.20 /Liter		\$2.49
SUB-TOTAL REPLACEMENT HEIFERS					\$198.91
13 FIRST CALF HEIFERS		All other costs included with cows.			
Pour-on De-wormer	1100 Lbs	5 ml./100 lbs	62.20 /Liter		\$3.42
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					\$440.97
Your Farm Veterinarian ( Includes Breeding Soundness Exam on Bulls )		1 Trip(s) @	\$250 Per Trip		\$250.00
<b>TOTAL HEALTH COST FOR HERD =</b>					<b>\$3,020.36</b>

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