

## Beef Cows Spring Calving - Stockpiled Fescue Pasture

### 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 @	6.00	Cwt	\$119.00	258.00	\$30,702.00	_____
Heifers	29 @	5.50	Cwt	\$107.00	159.50	\$17,066.50	_____
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>\$570.96 Per Cow</b>	<b>\$57,096.00</b>	_____
<b>3. VARIABLE COSTS</b>							
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	\$26.72	100	\$2,672.01	_____
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	\$16.33	14	\$228.55	_____
Haul Calves			Head	\$3.75	72	\$270.00	_____
Market Calves		\$/Head	Head	\$16.77	72	\$1,207.37	_____
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%	\$ 33,896	\$1,016.88	_____
<b>4. TOTAL VARIABLE COSTS</b>					<b>\$366.92 Per Cow</b>	<b>\$36,691.96</b>	_____
<b>5. ANNUAL DEBT PAYMENTS</b>						<b>\$0.00</b>	_____
<b>6. PROJECTED NET RETURN TO EQUITY, MANAGEMENT, &amp; FAMILY LABOR</b>					<b>\$204.04 Per Cow</b>	<b>\$20,404.04</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%	\$97.99	\$183.64	\$212.18	\$240.73	\$269.28	\$297.83	\$383.47
Change in	-5%	\$79.65	\$165.29	\$193.84	\$222.39	\$250.93	\$279.48	\$365.13
Total Variable	0%	\$61.30	\$146.94	\$175.49	<b>\$204.04</b>	\$232.59	\$261.14	\$346.78
Costs	5%	\$42.95	\$128.60	\$157.15	\$185.69	\$214.24	\$242.79	\$328.43
	10%	\$24.61	\$110.25	\$138.80	\$167.35	\$195.90	\$224.44	\$310.09
	25%	<b>(\$30.43)</b>	\$55.21	\$83.76	\$112.31	\$140.86	\$169.41	\$255.05

5% Table Sensitivity

**8. FEED RATIOS (AS-FED BASIS)**

Feed	Unit	Cows		Bulls		Calves		Yearling	1 <sup>st</sup> Calf	Additional	Total Quantity (Tons)
		Number Head =	87	3	85	14	13	Head	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	0.00	0.00
Alfalfa Hay, Bloom	Lbs/Head/Day		0.00	0.00	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	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	56	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 @	1.51 /Each		\$3.02
Pour-on De-wormer	1200 Lbs	0 ml./100 lbs	62.20 /Liter		\$0.00
Pour-on De-licer	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		0 Checks @	3.50 /Head		\$0.00
SUB-TOTAL COWS & BULLS					\$849.75
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	350 Lbs	5 ml./100 lbs	62.20 /Liter		\$1.09
Implant Steers		2 Implants @	1.25 / Implant		\$2.50
SUB-TOTAL CALVES					\$936.57
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	750 Lbs	5 ml./100 lbs	62.20 /Liter		\$2.33
SUB-TOTAL REPLACEMENT HEIFERS					\$196.74
13 FIRST CALF HEIFERS					
All other costs included with cows.					
Pour-on De-wormer	1050 Lbs	5 ml./100 lbs	62.20 /Liter		\$3.27
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					\$438.95
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>\$2,672.01</b>

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