

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2016 Estimated Costs and Returns per Animal Unit**  
**Cow-Calf Production with Winter Pasture - 40 Cows**  
**East Texas Extension District - 5**

Animal Units (AU)	40					
Breeding Females	40					
		Quantity				Enterprise
<b>REVENUE</b>	<b>Head</b>	<b>Per Head</b>	<b>Units</b>	<b>\$/Unit</b>	<b>Total</b>	<b>Total</b>
Steer	0.400	5.50	CWT	\$199.00	\$437.80	\$17,512.00
Heifer	0.275	5.20	CWT	\$179.00	\$255.97	\$10,238.80
Cull Cow	0.150	10.50	CWT	\$80.00	\$126.00	\$5,040.00
Cull Bull	0.025	18.00	CWT	\$90.00	\$40.50	\$1,620.00
<b>Total Revenue</b>					<b>\$860.27</b>	<b>\$34,410.80</b>
		Quantity	Units	\$/Unit	Total	Enterprise Total
<b>VARIABLE COSTS</b>						
<b>Production Costs</b>						
Miscellaneous						
Miscellaneous - Cow		1	Head	\$10.00	\$10.00	\$400.00
Marketing Expense		1.00	AU	\$30.60	\$30.60	\$1,224.00
Feed						
Salt and Mineral - Cow		1	Head	\$40.00	\$40.00	\$1,600.00
Hay		0.5	Ton	\$90.00	\$45.00	\$1,800.00
Vet. Medicine						
Vet Medicine - Cow		1	Head	\$42.00	\$42.00	\$1,680.00
Fuel		1.0	AU	\$2.88	\$2.88	\$115.00
Lube (As a % of fuel)		10.0%	Percent	\$2.88	\$0.29	\$11.50
Repairs		1	AU	\$2.79	\$2.79	\$111.63
Interest on Credit Line				4.75%	\$14.21	\$568.38
<b>Total Variable Costs</b>					<b>\$187.76</b>	<b>\$7,510.51</b>
Planned Returns Above Variable Costs:					\$672.51	\$26,900.29
Average Calf Breakeven Price to Cover Variable Costs				\$5.86	CWT	
		Quantity	Units	\$/Unit	Total	Enterprise Total
<b>FIXED COSTS</b>						
Depreciation - Equipment		1	AU	\$22.80	\$22.80	\$912.09
Depreciation - Livestock		1	AU	\$70.71	\$70.71	\$2,828.57
Equipment Investment		\$461.95	dollars	5.25%	\$24.25	\$970.09
Management Fee, Owner/Operator Labor		1	AU	\$25.00	\$25.00	\$1,000.00
Pasture Cost		2.5	Acres	\$202.06	\$505.15	\$20,206.00
<b>Total Fixed Costs</b>					<b>\$647.92</b>	<b>\$25,916.75</b>
<b>Total Costs</b>					<b>\$835.68</b>	<b>\$33,427.26</b>
Planned Returns to Management, Risk, and Profit:					\$24.59	\$983.54
Average Calf Breakeven Price to Cover Total Costs				\$184.35	CWT	

**Sensitivity Analysis for Example**

Example Weaning Percent	Example Gross Sales per Animal Unit	Pounds Produced per AU	Example Breakeven Calf Pay Weight to Cover Total Cost	Example Average Break Even Price to Cover Total Cost
86%	\$912.30	593	493	\$171.49
83%	\$886.29	579	515	\$177.68
80%	\$860.27	566	539	\$184.35
77%	\$834.25	552	565	\$191.53
74%	\$808.24	538	593	\$199.29

  

Example Male Calf Price	\$199.00
Example Female Calf Price	\$179.00
Example Weighted Average Calf Price (\$/cwt)	\$191.12

Developed by Gerald Cornforth, Extension Economist; Vanessa Olson, Extension Forage Specialist; and, Jason Banta, Extension Beef Cattle Specialist, Texas A&M AgriLife Extension Service. For more information, contact: Vanessa Olson or Jason Banta at 903-834-6191.

**Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.**