

Break Even Price Analysis for Finishing Calves

8/31/04

Farm Business Management Program, Steve Metzger, Coordinator, Carrington Research Extension Center

Assumptions:

Beginning Calf Weight of 550 lbs. and 650 lbs.

Beginning Prices/Value of \$105.00 \$110.00 \$115.00 \$120.00 \$125.00 \$130.00
 \$135.00 for 550#

Finish Weight of 1,250 lbs. before a 4.00% Shrink, 1,200 lbs. Saleable/head

Variable Length Feeding Periods Based on Daily Rate of Gain

Vet/Health Charge of \$15.00 per Head.

Yardage and Overhead Charge of either \$.10 or \$.25 per Head per Day (\$.10/\$.25)

Interest Rate of 7.00% Charged on the Calf and one-half of the Feed, Vet, and Yardage Costs

Death Loss of 1%

Marketing Charge of 2.5% of the Ending Value based on a \$83.00/cwt. Selling Price

BREAK EVEN SELLING PRICE PER CWT.

Rate of Gain per Day	Cost/Cwt. for Calves Feed Cost Per Lb.of Gain		
		\$.15	\$.20	\$.25
550# Calves				
3.0#/day	\$105.00	64.99/67.97	67.97/70.96	70.96/73.95
234 Days	\$110.00	67.40/70.39	70.39/73.37	73.37/76.36
	\$115.00	69.82/72.80	72.80/75.79	75.79/78.77
	\$120.00	72.23/75.22	75.22/78.20	78.20/81.19
	\$125.00	76.64/77.63	77.63/80.62	80.62/83.60
	\$130.00	77.06/80.04	80.04/83.03	83.03/86.02
	\$135.00	79.47/82.46	82.46/85.44	85.44/88.43
650# Calves				
3.0#	\$105.00	72.32/74.87	74.87/77.42	77.42/79.97
200 Days	\$110.00	75.16/77.71	77.71/80.26	80.26/82.81
	\$115.00	78.11/80.55	80.55/83.10	83.10/85.65
	\$120.00	80.84/83.39	83.39/85.94	85.94/88.48
	\$125.00	83.68/86.23	86.23/88.78	88.78/91.32
	\$130.00	86.52/89.07	89.07/91.62	91.62/94.16
3.5#				
172 Days	\$105.00	71.67/73.85	74.21/76.39	76.76/78.94
	\$110.00	74.49/76.67	77.03/79.21	79.58/81.76
	\$115.00	77.31/79.49	79.85/82.03	82.40/84.58
	\$120.00	80.13/82.31	82.67/84.86	85.22/87.40
	\$125.00	82.95/85.13	85.49/87.68	88.04/90.22
	\$130.00	85.77/87.95	88.31/90.50	90.86/93.04
4.0#				
150 Days	\$105.00	71.30/73.21	73.84/75.74	76.38/78.28
	\$110.00	74.12/76.02	76.65/78.56	79.19/81.09
	\$115.00	76.93/78.83	79.47/81.37	82.00/83.91
	\$120.00	79.75/81.65	82.28/84.18	84.82/86.72
	\$125.00	82.56/84.46	85.09/87.00	87.63/89.53
	\$130.00	85.37/87.27	87.91/89.81	90.44/92.35

Break Even Price Analysis for Feeding Light Calves

8/31/04

Farm Business Management Program
 Steve Metzger, Coordinator, Carrington Research Extension Center

Assumptions:

Beginning Calf Weight of 400 lbs.

Beginning Prices/Value per cwt. of \$120.00 \$125.00 \$130.00 \$135.00 140.00 145.00 150.00

120 Day Feeding Period, Vet/Health Charge of \$10.00 per head.

Yardage and Overhead Costs of \$.10 per head per day.

Interest Rate of 7.00% Charged on the Calf and one-half of the Feed, Vet, and Yardage Costs.

Death Loss of 1%, Shrinkage of 3% at time of Marketing.

Marketing Charge of 2.5% based on an ending value of \$112.00/cwt.

BREAK EVEN SELLING PRICE PER CWT.

Rate of Gain/Day	Cost/Cwt. for Calves Feed Cost per Lb. of Gain			
		\$.15	\$.20	\$.25	\$.30
1.5#	\$120.00	99.75	101.37	102.99	104.61
Post	\$125.00	103.43	105.04	106.66	108.28
Shrink wt.	\$130.00	107.10	108.72	110.33	111.95
of 563#	\$135.00	110.77	112.39	114.01	115.63
	\$140.00	114.44	116.06	117.68	119.30
	\$145.00	118.12	119.73	121.35	122.97
	\$150.00	121.79	123.41	125.03	126.64
2.0#	\$120.00	92.13	94.09	96.04	98.00
621#	\$125.00	95.46	97.41	99.37	101.32
	\$130.00	98.79	100.74	102.70	104.65
	\$135.00	102.12	104.07	106.03	107.98
	\$140.00	105.44	107.40	109.35	111.31
	\$145.00	108.77	110.73	112.68	114.64
	\$150.00	112.10	114.06	116.01	117.97
2.5#	\$120.00	85.81	88.05	90.28	92.52
679#	\$125.00	88.86	91.09	93.33	95.56
	\$130.00	91.90	94.13	96.37	98.60
	\$135.00	94.94	97.18	99.41	101.65
	\$140.00	97.99	100.22	102.46	104.69
	\$145.00	101.03	103.26	105.50	107.73
	\$150.00	104.07	106.31	108.54	110.78