

# Break Even Price Analysis for Finishing Calves

10-1-2003

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 \$90.00 \$95.00 \$100.00 \$105.00 \$110.00 \$115.00

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 \$78.00/cwt. Selling Price

## BREAK EVEN SELLING PRICE PER CWT.

Rate of Gain per Day	Cost/Cwt. for Calves	..... Feed Cost Per Lb.of Gain .....		
		\$ .25	\$ .30	\$ .35
<b>550# Calves</b>				
3.0#/day	\$90.00	63.59/66.58	66.58/69.57	69.57/72.55
234 Days	\$95.00	66.01/68.99	68.99/71.98	71.98/74.97
	\$100.00	68.42/71.41	71.41/74.39	74.39/77.38
	\$105.00	70.84/73.82	73.82/76.81	76.81/79.79
	\$110.00	73.25/76.24	76.24/79.22	79.22/82.21
	\$115.00	75.66/78.65	78.65/81.63	81.63/84.62
<b>650# Calves</b>				
2.5#/day	\$90.00	69.55/72.62	72.11/75.18	74.66/77.73
240 Days	\$95.00	72.41/75.48	74.97/78.04	77.52/80.59
	\$100.00	75.27/78.34	77.83/80.90	80.38/83.45
	\$105.00	78.13/81.20	80.69/83.76	83.24/86.31
	\$110.00	80.99/84.06	83.55/86.62	86.11/89.17
	3.0#	\$90.00	68.77/71.32	71.32/73.87
200 Days	\$95.00	71.61/74.16	74.16/76.71	76.71/79.26
	\$100.00	74.45/77.00	77.00/79.55	79.55/82.10
	\$105.00	77.29/79.84	79.84/82.39	82.39/84.94
	\$110.00	80.13/82.68	82.68/85.23	85.23/87.78
	3.5#	\$90.00	68.17/70.35	70.72/72.90
172 Days	\$95.00	70.99/73.17	73.54/75.72	76.08/78.26
	\$100.00	73.81/75.99	76.36/78.54	78.90/81.08
	\$105.00	76.63/78.81	79.18/81.36	81.72/83.91
	\$110.00	79.45/81.63	82.00/84.18	84.54/86.73
	4.0#	\$90.00	67.81/69.71	70.35/72.25
150 Days	\$95.00	70.62/72.53	73.16/75.06	75.70/77.60
	\$100.00	73.44/75.34	75.97/77.88	78.51/80.41
	\$105.00	76.25/78.15	78.79/80.69	81.32/83.23
	\$110.00	79.06/80.97	81.60/83.50	84.14/86.04

# Break Even Price Analysis for Feeding Light Calves

10-1-2003

Farm Business Management Program

Steve Metzger, Coordinator, Carrington Research Extension Center

## Assumptions:

Beginning Calf Weight of 400 lbs.

Beginning Prices/Value per cwt. of \$100.00 \$105.00 \$110.00 \$115.00 \$120.00 \$125.00

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 \$90.00/cwt.

## BREAK EVEN SELLING PRICE PER CWT.

Rate of Gain/Day	Cost/Cwt. for Calves	..... Feed Cost per Lb. of Gain .....			
		\$ .20	\$ .25	\$ .30	\$ .35
1.0#	\$100.00	93.40	94.61	95.81	97.01
Post	\$105.00	97.50	98.70	99.91	101.01
Shrink wt. of 504#	\$110.00	101.60	102.80	104.00	105.21
	\$115.00	105.69	106.90	108.10	109.30
	\$120.00	109.79	110.99	112.19	113.40
	\$125.00	113.88	115.09	116.29	117.49
1.5#	\$100.00	86.13	87.75	89.37	90.99
563#	\$105.00	89.80	91.42	93.04	94.66
	\$110.00	93.48	95.09	96.71	98.33
	\$115.00	97.15	98.77	100.38	102.00
	\$120.00	100.82	102.44	104.06	105.68
	\$125.00	104.49	106.11	107.73	109.35
2.0#	\$100.00	80.22	82.18	84.13	86.09
621#	\$105.00	83.55	85.57	87.46	89.42
	\$110.00	86.88	88.83	90.79	92.74
	\$115.00	90.21	92.16	94.12	96.07
	\$120.00	93.54	95.49	97.45	99.40
	\$125.00	96.86	98.82	100.77	102.73
2.5#	\$100.00	75.33	77.56	79.80	82.03
679#	\$105.00	78.37	80.60	82.84	85.07
	\$110.00	81.41	83.65	85.88	88.12
	\$115.00	84.46	86.69	88.92	91.16
	\$120.00	87.50	89.73	91.97	94.20
	\$125.00	90.54	92.78	95.01	97.25