

Cattle Feeding Benchmark Data: Fall & Winter 2016 Spring & Summer 2017

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Summary and Implications

The breakeven value in fed cattle prices seems to have stabilized and become considerably lower than what was observed in last year's summary due primarily to lower feeder calf prices and a continued slight downward trend in feed prices. The number of heifers on feed relative to steers has also increased from previous reports.

Introduction

Cattle closeouts from the fall of 2016 through the summer of 2017 have been characterized by fairly consistent breakeven values and a slight downward trend in feed cost per pound gain. Feeder calf prices have continued their slight decline from last year but the sharper decline in feed prices may be changing this feeder calf price trend looking forward. Two other factors may also contribute to the feeder calf trend as we move into next year. The first is the slight trend in carcass weights from what were observed last year and the other being the relatively higher number of

heifers fed and closed out from what was seen in the past couple years.

Material and Methods

Closeout data from cattle pens finished from the fall of 2016 through the summer of 2017 are included in this report. These closeouts were generated by users of the Iowa State University Feedlot Monitor Program and are reported by season of the year. Most participants are located in the Midwest with the primary concentration being located in Midwest and Northwest. Data from these users are summarized by the Iowa Beef Center in the following tables and provided back to the participants at the end of each season. These data can be used by participants as benchmarks for their own operation or as they see fit. The entire year's data for all participants are provided at this time in this report.

Results

Reports provided to participants from Fall of 2016 (Sept. 22, 2016 through Dec. 22, 2016), Winter of 2016 (Dec. 22, 2016 through March 22, 2017), Spring of 2017 (March 23, 2017 through June 22, 2017) and Summer of 2017 (June 23, 2017 through Sept. 21, 2017) were provided as follows:

Iowa State University Animal Industry Report 2018



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Feedlot Monitor Benchmark Report

Finished Fall 2016
9/22/16 12/22/16

	Helpers		Mixed Pens		Steers		Dairy Steers		Background/Hef Dev	
	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation
Pens	21		7		42				6	
Pen Size	153.5	148.6	155.1	39.8	225.1	123.4			160.0	90.3
In Pay Wt (lb)	822.8	127.1	786.3	150.9	894.1	151.3			624.2	120.2
Out Pay Wt (lb)	1402.0	117.6	1474.1	141.3	1532.3	94.7			587.0	231.8
% Dead	0.9	1.1	0.9	0.6	0.9	0.7			0.2	0.3
Carcass Yield %	63.6	0.9	63.4	0.2	64.2	0.7				
Days Fed	190.7	45.4	225.3	65.3	190.4	40.8			74.3	62.5
ADG (lb)	3.1	0.6	3.0	0.2	3.4	0.6			0.9	3.5
F:G	7.8	2.1	7.5	0.7	7.7	2.2			5.9	3.0
DMI (lb)	23.1	2.6	22.8	2.4	25.4	3.9			13.8	7.9
AFI (lb)	38.0	4.6	35.5	2.9	41.3	7.1			24.4	12.3
NE g (avg Mcal/lb)	60.8	1.1	60.4	2.2	59.0	8.0			47.8	9.6
\$/lb gain Feed	\$0.57	\$0.14	\$0.57	\$0.05	\$0.54	\$0.08			\$0.52	\$0.30
\$/lb gain Total	\$0.78	\$0.24	\$0.73	\$0.06	\$0.71	\$0.13			\$0.78	\$0.52
\$/Ton Feed DM	\$122.22	\$9.57	\$130.43	\$9.42	\$121.73	\$19.02			\$94.50	\$48.85
Breakeven- live	\$111.89	\$24.41	\$113.40	\$4.32	\$110.66	\$8.91			\$121.33	\$18.15

* currently too few pens or producers submitting data to report on



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Feedlot Monitor Benchmark Report

Finished Winter 2016-2017
12/21/16 3/22/17

	Helpers		Mixed Pens		Steers		Dairy Steers		Background/Hef Dev	
	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation
Pens	16		7		30				9	
Pen Size	158.2	132.3	156.1	107.8	233.9	207.5			171.9	115.7
In Pay Wt (lb)	824.5	174.2	871.6	220.1	854.5	103.7			612.7	54.0
Out Pay Wt (lb)	1331.9	126.3	1475.7	98.8	1458.5	94.8			788.0	76.8
% Dead	0.4	0.7	1.0	0.8	0.9	0.9			0.1	0.1
Carcass Yield %	56.8	20.0	63.1	0.1	62.9	1.5				
Days Fed	159.4	47.5	204.4	85.2	165.0	35.5			73.5	38.6
ADG (lb)	3.2	0.5	3.1	0.6	3.7	0.5			2.4	0.4
F:G	7.4	0.9	8.6	1.4	7.4	0.6			7.3	2.0
DMI (lb)	23.4	2.8	27.0	9.2	27.5	4.0			16.5	2.1
AFI (lb)	38.0	5.4	40.7	9.8	44.4	6.8			29.0	4.1
NE g (avg Mcal/lb)	60.4	2.0	61.0	1.3	54.9	12.8			50.2	5.3
\$/lb gain Feed	\$0.53	\$0.06	\$0.57	\$0.09	\$0.53	\$0.05			\$0.58	\$0.18
\$/lb gain Total	\$0.72	\$0.08	\$0.80	\$0.17	\$0.67	\$0.09			\$0.79	\$0.23
\$/Ton Feed DM	\$116.32	\$10.91	\$115.76	\$13.78	\$120.86	\$10.22			\$103.55	\$39.80
Breakeven- live	\$108.95	\$7.21	\$119.98	\$15.98	\$110.19	\$6.68			\$122.72	\$11.32

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Iowa State University Animal Industry Report 2018



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Feedlot Monitor Benchmark Report

Finished Spring 2017
3/23/17 6/22/17

	Heifers		Mixed Pens		Steers		Dairy Steers		Background/Hef Dev	
	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation
Pens	34		13		99				37	
Pen Size	158.9	104.1	162.4	106.2	213.1	154.7			132.9	105.9
In Pay Wt (lb)	781.0	169.2	752.2	219.8	781.8	122.6			641.3	137.4
Out Pay Wt (lb)	1300.1	101.4	1391.6	164.2	1394.3	92.2			821.3	105.7
% Dead	0.7	1.0	1.5	1.7	1.1	1.0			0.6	1.3
Carcass Yield %	63.2	1.1	62.9	0.3	63.1	1.5				
Days Fed	166.8	46.9	230.5	100.2	177.3	41.4			106.5	55.2
ADG (lb)	3.1	0.4	2.9	0.6	3.5	0.5			1.8	0.9
F:G	7.2	1.0	8.1	1.8	7.1	0.9			9.9	4.4
DMI (lb)	22.4	3.5	23.3	7.8	24.6	3.9			16.3	3.5
AFI (lb)	36.2	6.6	37.5	8.4	39.8	6.7			31.5	5.1
NE g (avg Mcal/lb)	59.8	1.8	59.5	4.2	58.1	9.1			44.8	9.2
\$/lb gain Feed	\$0.53	\$0.06	\$0.56	\$0.13	\$0.52	\$0.06			\$0.74	\$0.44
\$/lb gain Total	\$0.73	\$0.09	\$0.81	\$0.20	\$0.69	\$0.09			\$1.17	\$0.91
\$/Ton Feed DM	\$120.17	\$12.53	\$122.18	\$13.48	\$124.08	\$12.41			\$112.09	\$34.45
Breakeven- live	\$99.89	\$21.22	\$116.73	\$19.71	\$111.08	\$10.93			\$130.88	\$33.78

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Feedlot Monitor Benchmark Report

Finished Summer 2017
6/23/17 9/21/17

	Heifers		Mixed Pens		Steers		Dairy Steers		Background/Hef Dev	
	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation
Pens	48		3		80		4		15	
Pen Size	223.2	174.9	178.3	71.6	199.7	78.7	228.0	202.6	198.3	123.5
In Pay Wt (lb)	748.9	147.5	743.3	172.9	746.3	111.8	601.5	172.6	644.9	149.6
Out Pay Wt (lb)	1271.1	82.6	1308.0	18.2	1416.4	61.1	1274.0	80.6	859.7	138.7
% Dead	0.8	1.0	1.4	0.6	1.4	1.2	3.3	1.3	0.3	0.5
Carcass Yield %	63.2	1.0	62.6		62.8	8.5	55.0 *			
Days Fed	173.6	56.4	177.9	58.0	197.1	37.9	299.2	29.7	118.5	71.0
ADG (lb)	3.1	0.4	3.1	0.1	3.4	0.3	2.1	0.3	2.2	2.0
F:G	7.2	0.7	7.3	1.3	6.9	0.8	10.9	1.6	12.9	9.6
DMI (lb)	22.1	2.6	22.3	3.9	23.2	2.7	22.6	1.5	16.5	3.6
AFI (lb)	35.1	3.3	31.6	4.3	37.5	5.0	37.1	3.5	31.0	5.1
NE g (avg Mcal/lb)	60.1	2.0	61.0	1.7	60.7	14.4	61.8	1.0	43.1	12.3
\$/lb gain Feed	\$0.53	\$0.05	\$0.54	\$0.09	\$0.48	\$0.06	\$0.61	\$0.09	\$0.99	\$0.78
\$/lb gain Total	\$0.72	\$0.08	\$0.68	\$0.08	\$0.66	\$0.07	\$1.03	\$0.17	\$1.74	\$1.50
\$/Ton Feed DM	\$121.16	\$9.27	\$121.96	\$7.44	\$121.87	\$12.21	\$102.80	\$17.12	\$99.49	\$36.09
Breakeven- live	\$101.65	\$14.52	\$109.61	\$6.60	\$102.16	\$11.12	\$102.33	\$8.38	\$133.60	\$32.44

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