

Cattle Feeding Benchmark Data: Fall & Winter 2017 / Spring & Summer 2018

A.S. Leaflet R3310

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Summary and Implications

A summary of closeouts from the fall of 2017 through the summer of 2018 is provided on feedlot heifers, steers, mixed pens, white fat cull cows, dairy beef and preconditioning cattle.

Introduction

Cattle closeouts from the fall of 2017 through the summer of 2018 have been characterized by fairly consistent breakeven values and feed cost per pound of gain as seen in the 2016 – 2017 closeout data. Feeder calf prices and the number of heifer pens relative to steer pens seems to also been fairly consistent from the previous year. This year's report does include a number of white fat cow closeouts. One point of caution, yardage charges do not seem to change from year to year from the contributing closeouts. It is from the author's point of view after auditing a number of feedyards that this charge is not kept up to date by many producers and is considerably higher (maybe 40% to 60%) than what is

used in the calculated cost per pound of gain or the subsequent breakeven value.

Material and Methods

Closeout data from cattle pens finished from the fall of 2017 through the summer of 2018 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 providers receive the summarized data within a month of the season's close. These data are then published annually in the Iowa State University Animal Industry Report by the Iowa Beef Center in the following tables. 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 2017 (Sept. 22, 2017 through Dec. 21, 2017), Winter of 2017 (Dec. 22, 2017 through March 21, 2018), Spring of 2018 (March 22, 2018 through June 22, 2018) and Summer of 2018 (June 23, 2018 through Sept. 22, 2018) were provided as follows:

Iowa State University Animal Industry Report 2019



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Feedlot Monitor Benchmark Report

Finished Fall 2017
9/22/17 12/21/17

	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	15		*		33		*		8	
Pen Size	179.5	86.4			170.1	85.1			99.6	69.0
In Pay Wt (lb)	914.1	220.7			840.0	128.9			564.0	189.2
Out Pay Wt (lb)	1354.5	139.7			1468.3	97.0			758.0	134.4
% Dead	1.0	1.1			1.0	1.1			3.6	4.3
Carcass Yield %	63.8	1.4			63.6	0.9				
Days Fed	147.3	36.8			179.9	40.3			76.3	49.8
ADG (lb)	2.9	1.0			3.6	0.7			2.1	0.7
F:G	7.1	2.3			7.2	1.0			7.4	2.2
DMI (lb)	23.4	2.8			25.4	3.8			14.4	3.9
AFI (lb)	38.8	4.0			41.3	6.4			21.9	4.8
NE g (avg Mcal/lb)	60.9	1.5			58.2	9.0			51.0	8.0
\$/lb gain Feed	\$0.53	\$0.06			\$0.49	\$0.05			\$0.60	\$0.23
\$/lb gain Total	\$0.74	\$0.11			\$0.65	\$0.08			\$1.31	\$0.96
\$/Ton Feed DM	\$110.92	\$13.85			\$118.71	\$10.73			\$95.34	\$32.02
Breakeven- live	\$112.71	\$8.30			\$108.69	\$6.80			\$134.86	\$32.29

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



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Feedlot Monitor Benchmark Report

Finished Winter 2017-2018
12/22/17 3/21/18

	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	17		3		44		2		7	
Pen Size	131.1	79.2	159.5	171.1	163.8	103.5	138.5	20.5	138.7	124.5
In Pay Wt (lb)	842.2	246.5	694.0	177.9	864.3	121.5	870.5	13.4	453.6	60.6
Out Pay Wt (lb)	1375.2	138.4	1151.3	385.0	1487.2	83.5	1544.0	18.4	723.4	143.1
% Dead	1.0	1.7	1.4	1.6	0.9	1.3	1.6	2.3	3.4	2.7
Carcass Yield %	62.7	0.7	62.8		63.5	0.9	59.0	0.1		
Days Fed	157.7	44.0	146.7	84.8	176.7	34.3	258.6	5.9	95.6	45.4
ADG (lb)	3.3	0.7	2.8	0.6	3.5	0.4	2.5	0.1	2.4	0.7
F:G	8.2	4.7	7.3	0.8	7.3	0.8	12.8	0.2	6.0	0.9
DMI (lb)	24.2	2.8	20.8	5.8	25.3	3.3	32.1	1.3	14.4	4.0
AFI (lb)	39.8	4.3	35.0	10.6	40.0	5.3	50.3	8.8	22.6	6.1
NE g (avg Mcal/cwt)	59.2	2.0	54.0	5.7	62.6	18.5	57.0	2.8	48.3	11.4
\$/lb gain Feed	\$0.62	\$0.38	\$0.56	\$0.12	\$0.51	\$0.05	\$0.59	\$0.02	\$0.49	\$0.09
\$/lb gain Total	\$0.80	\$0.47	\$0.80	\$0.05	\$0.68	\$0.08	\$1.10	\$0.03	\$0.91	\$0.27
\$/Ton Feed DM	\$120.20	\$14.18	\$116.23	\$30.89	\$118.08	\$9.49	\$83.31	\$3.60	\$113.67	\$21.15
Breakeven- live	\$111.39	\$5.87	\$122.85	\$30.54	\$115.26	\$5.65	\$89.00	\$1.84	\$104.88	\$52.90

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

Iowa State University Animal Industry Report 2019



Feedlot Monitor Benchmark Report

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Finished Spring 2018
3/22/18 6/22/18

	Heifers		White Fat Cows		Steers		Dairy Steers		Background/Hef Dev	
	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation
Pens	21		11		49		*		4	
Pen Size	110.3	54.8	182.7	110.9	148.7	71.6			148.8	95.8
In Pay Wt (lb)	624.1	88.8	1184.9	186.5	812.3	145.7			622.3	142.8
Out Pay Wt (lb)	1232.8	63.2	1529.7	120.9	1397.3	88.0			882.3	225.1
% Dead	2.5	1.6	2.4	2.1	1.1	2.8			7.9	7.0
Carcass Yield %	63.9	0.7	58.8	1.2	62.7	2.6			0.0	0.0
Days Fed	213.9	43.0	116.3	41.5	178.4	37.0			101.3	94.4
ADG (lb)	2.8	0.4	2.9	0.7	3.2	0.5			1.6	1.0
F:G	7.3	1.3	10.9	3.4	8.0	4.9			15.0	12.5
DMI (lb)	19.6	1.8	29.7	4.1	23.3	2.4			16.0	2.3
AFI (lb)	32.8	3.3	52.6	10.5	36.3	4.2			26.0	5.1
NE g (avg Mcal/cwt)	59.3	3.0	60.4	0.9	60.7	2.4			42.8	15.4
\$/lb gain Feed	\$0.55	\$0.10	\$0.67	\$0.24	\$0.58	\$0.39			\$1.30	\$1.14
\$/lb gain Total	\$0.77	\$0.09	\$1.06	\$0.39	\$0.80	\$0.51			\$2.68	\$2.57
\$/Ton Feed DM	\$133.25	\$12.79	\$92.78	\$23.67	\$120.09	\$17.75			\$104.96	\$29.45
Breakeven- live	\$114.79	\$3.71	\$79.17	\$17.78	\$116.36	\$14.80			\$72.45	\$48.76

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Feedlot Monitor Benchmark Report

IOWA STATE UNIVERSITY
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Finished Summer 2018
6/23/18 9/22/18

	Heifers		White Fat Cows		Steers		Dairy Steers		Background/Hef Dev	
	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation	Average	St.Deviation
Pens	26		7		42		9		4	
Pen Size	164.7	74.3	239.3	161.4	178.3	75.8	90.9	32.1	234.3	157.1
In Pay Wt (lb)	650.6	121.9	1244.6	72.1	826.0	139.6	709.2	277.7	563.8	55.0
Out Pay Wt (lb)	1257.5	79.7	1510.3	78.1	1420.5	82.0	1309.1	83.7	813.0	185.2
% Dead	3.0	2.2	3.0	2.5	1.5	1.9	6.0	5.6	2.7	2.4
Carcass Yield %	63.4	1.9	59.2	0.9	61.0	12.1	61.5	3.1		
Days Fed	211.3	44.2	92.2	13.8	186.7	42.3	215.3	100.0	137.5	85.5
ADG (lb)	2.8	0.4	2.8	0.9	3.1	0.4	2.6	1.1	1.9	0.8
F:G	7.1	1.2	13.4	5.6	7.4	0.8	8.4	2.9	10.7	8.4
DMI (lb)	19.8	2.2	32.8	2.0	22.7	2.1	19.6	2.5	15.6	2.4
AFI (lb)	34.1	5.1	56.5	3.4	35.8	4.2	29.9	4.3	27.8	6.2
NEg (avg Mcal/cwt)	60.9	2.5	58.9	2.8	60.4	2.5	60.8	3.2	58.0	5.4
\$/lb gain Feed	\$0.53	\$0.11	\$0.84	\$0.31	\$0.57	\$0.08	\$0.65	\$0.22	\$0.79	\$0.69
\$/lb gain Total	\$0.77	\$0.12	\$1.41	\$0.61	\$0.78	\$0.13	\$0.91	\$0.29	\$1.20	\$1.06
\$/Ton Feed DM	\$129.70	\$11.90	\$92.21	\$17.92	\$126.32	\$12.03	\$124.45	\$30.55	\$102.80	\$25.56
Breakeven- live	\$112.81	\$8.06	\$72.24	\$5.49	\$115.31	\$15.45	\$116.09	\$21.68	\$144.84	\$39.77

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