

RESULTS IN 1909.

	Outside.	Inside (tied.)	Inside (loose.)
Number of steers in lot.....	20	16	4
First weight gross.....	19,635 lbs.	15,020 lbs.	4,070 lbs.
" average.....	981 1/2 "	938 "	1,017 "
Finished weight, gross.....	22,020 "	17,975 "	5,110 "
" average.....	1,101 "	1,124 "	1,277 "
Total gain in 154 days.....	2,385 "	2,955 "	1,040 "
Average gain per steer.....	119 "	184 "	260 "
Daily gain per steer.....	.77 "	1.2 "	1.6 "
lot.....	15.4 "	19.2 "	6.4 "
Gross cost of feed.....	\$379 04	\$367 81	\$ 70 91
Cost of 100 pounds gain.....	\$ 15 89	\$ 9 05	\$ 6 81
Cost of steers—19,635 lbs. at 3 1/2c.....	\$638 14		
15,020 lbs. at 3 1/2c.....		\$498 15	
4,070 lbs. at 3 1/2c.....			\$132 27
Total cost to produce beef.....	\$1,017 18	\$755 96	\$203 18
Sold—17,980 lbs. at 5c., less 5 per cent.....	\$854 05		
16,900 lbs. at 5c., less 5 per cent.....		\$802.75	
5,110 lbs. at 5c., less 5 per cent.....			\$242 75
Sold—4,040 lbs. at 4 1/2c., less 5 per cent.....	\$172 71		
1,075 lbs. at 4 1/2c., less 5 per cent.....		\$ 45 99	
Profit on lot.....	\$ 9 58	\$ 92 78	\$ 39 57
Net profit per steer.....	\$ 47	\$ 5 79	\$ 9 80
Average buying price per steer.....	\$ 31 90	\$ 30 51	\$ 33 07
" selling price per steer.....	\$ 51 33	\$ 53 04	\$ 60 00
" increase in value per steer.....	\$ 19 43	\$ 22 53	\$ 27 62
" cost of feed per steer.....	\$ 18 95	\$ 16 74	\$ 17 75
Amount of grain eaten by lot.....	23,980 lbs.	16,112 lbs.	4,724 lbs.
" straw eaten by lot.....	52,000 "	23,408 "	4,800 "
" hay eaten by lot.....	34,000 "		6,800 "
" alfalfa eaten by lot.....	4,000 "		
" ground flax eaten by lot.....	140 "	224 lbs.	56 lbs.
" bran eaten by lot.....	3,460 "	2,768 "	764 "
" ensilage eaten by lot.....		43,200 "	
" roots eaten by lot.....		17,088 "	
" oat sheaves eaten by lot.....		6,240 "	

The following prices were obtained for oats and barley in marketing them in this way, after allowing for the bran at actual cost and other feeds at the valuation given above.

	Outside.	Inside. (loose).	Inside. (tied).
Oats and barley per ton.....	\$20 78	\$36 73	\$31 51
Oats per bushel.....	35	62	53
Barley per bushel.....	49	88	75

These prices are higher in every case than the ruling price for these grains in that season.

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In this season, several changes were made in the method of feeding the outside steers. In previous years, oat straw was the principal roughage used. This was fed until March or April, after which time hay was substituted. The grain ration during the first two seasons was limited throughout the feeding period. About four pounds per head was fed at the start. This quantity was gradually increased, about twelve pounds per day being fed toward the close the period.

This year, the hay that was available was fed from the start when the grain ration was light, and when the grain ration approached full feed, oat straw was substituted. The grain ration was also heavier than in previous years. Four