

The grain was limited to what they could use properly, starting at 2 lbs. per day and finishing at 14 lbs.

Two lots were fed in the stable, one receiving alfalfa, and the other not. In this part of the report, we shall consider only the group that received no alfalfa, as the comparison of two inside groups has been recorded elsewhere.

The inside lot which is used for this comparison received the same treatment and care as in previous years. Their ration included corn silage, straw, roots, and grain.

The following prices were charged for feed—

	Per ton.
Straw.....	\$ 1 00
Mixed Hay.....	6 00
Oats and P. hay.....	20 00
Bran.....	20 00
Oil cake.....	33 00

RESULTS.

	Outside.	Inside.
No. of steers in lot.....	7	7
First weight gross Nov. 15, 1910.....	7,295 lbs.	7,430 lbs.
average.....	1,042 "	1,061 "
Finished weight gross, May 1, 1911.....	8,800 "	9,000 "
average.....	1,257 "	1,285 "
Total gain in 167 days.....	1,505 "	1,570 "
Average gain in 167 days.....	215 "	224 "
Average gain per day.....	1.29 "	1.34 "
First cost of steers.....	\$ 228 57	\$ 232 81
Total cost of feed.....	\$ 144 81	\$ 138 91
Total cost.....	\$ 373 38	\$ 371 72
Receipts from sale 8,800 lbs. at 6.30 per cwt. less 5 p.c. shrinkage.....	\$ 526 68	
9,000 lbs. at 6.30 per cwt., 5 p.c. shrinkage.....		534 65
Total profit.....	\$ 153 90	\$ 166 93
Average cost per steer.....	\$ 32 65	\$ 33 26
Average cost of feed per steer.....	\$ 20 69	\$ 19 84
Average selling price per steer.....	\$ 75 24	\$ 75 95
Average profit per steer.....	\$ 21 90	\$ 23 86
Average cost of 100 lbs. gain.....	\$ 9.62	\$ 8.82
Amounts of feed used—		
Straw.....	Lbs. 24,000	9,380 lbs.
Corn silage.....	" "	39,900 "
Mixed hay.....	" 10,000	
Alfalfa hay.....	" 1,596	
Roots.....	" "	18,725 "
Oats and barley.....	" 8,501	6,737 "
Bran.....	" 210	210 "
Oil cake.....	" 371	371 "

RESULTS IN 1912.

The experiment was continued in 1912, on much the same basis as in 1911. Two lots of steers were again used. They were not as good a lot of steers. They were bought on Nov. 30th, 1911, at $4\frac{1}{4}$ c per lb. and sold on May 13th, for $6\frac{3}{4}$ c per lb.

The outside steers were fed on straw as usual. In addition, they received a small quantity of alfalfa during the last part of the period. They also received a small quantity of frozen turnips for a while during the middle of the experiment. Their grain ration started at 2 lbs. per day and finished at 15 lbs. per day.

The steers inside received the usual ration of straw, corn silage, roots and grain. A little alfalfa was also fed at the finish.

The following prices are charged for feed. It will be noted that straw is charged at \$2 per ton instead of at \$1 or nothing as in previous experiments. This decreases the apparent profit and increases the apparent cost per pound of gain.