

RESULTS, 1902.

Steers Fed.	Profit per steer.	Average gain per day.
Brome Grass Hay.....	\$ 6 61	2 lbs.
Western Rye Grass Hay.....	6 60	2 lbs.
Speltz Straw.....	6 59	1.1 lbs.

The steers were all sold at the same price but those fed on Speltz straw were not fully finished and in a discriminating market would have brought at least a cent a pound less than the others.

The result of the experiment would lead to the following conclusions:

(a) That Western Rye Grass and Brome Grass hay are about equal in feeding value for beef.

(b) That Speltz straw makes a very fair coarse fodder but is only worth one-half as much as well-cured hay.

BROME GRASS HAY *vs.* FODDER CORN.

A test of Brome Grass hay *vs.* Fodder Corn was made in 1903. The Brome Grass was cut early and well cured. The fodder corn was an early variety cut when in the late milk stage, well cured in the stooks outside and drawn in as it was wanted. The lot that were fed Brome Grass hay received 20 pounds per day throughout the test; the lot fed fodder corn received from 24 to 30 lbs. per day, averaging about 27 lbs. per day. The hay was valued at \$5 per ton, and the corn at \$4 per ton. They all received the same quantity of turnips, mixed chop and bran.

RESULTS.

Steers Fed.	Profit per steer.	Average gain per day.
Brome Grass Hay.....	\$0 64.....	1 lb. 10 oz.
Fodder Corn.....	0 71.....	1 lb. 12 oz.

Mr. Bedford's conclusions on this experiment were:

"1st. There is very little profit in feeding steers when the difference between the buying and selling price is only about 75c. per cwt.

"2nd. That cattle require more pounds of fodder corn per day than they do of Brome Grass hay.

"3rd. That the comparative value of the two fodder crops is about \$4 per ton for fodder corn and \$5 per ton for Brome Grass hay.

OAT SHEAVES *vs.* FODDER CORN.

During the winter of 1906, an experiment was conducted to compare the value of oat sheaves and fodder corn for beef production. One lot of steers was fed 20 lbs. of oat sheaves per day and the other lot received 23 lbs. of dry corn fodder. In addition to this, all received the same ration of ensilage, roots and mixed chop. The fodder corn was valued at \$4 per ton and the oat sheaves at \$6 per ton.

RESULTS 1906.

Steers Fed.	Profit per steer.	Average gain per day.
Oat Sheaves.....	\$6 10.....	1 lb. 8 oz.
Corn Fodder.....	6 93.....	1 lb. 6 oz.