

## RESULTS IN CATTLE FEEDING SEEN AT UNION EXPERIMENT STATION

Mixed Feed of Cut Alfalfa and Barley as Daily Ration Found Best After Series of Detailed Tests Are Given Group of Selected Steers From Nearby Farms.



Cattle at Eastern Oregon Experiment Station

UNION, Or., Aug. 12.—(Special).—The best results in cattle feeding seem to have been produced by giving a mixed feed of cut alfalfa hay and 10 pounds of barley daily. The experiment station here recently tried experiments with different hay and grain, the experiment time covering three months.

All the head started the experiment with the same weight and the increased weights due to different kinds of feed were noted at the end of the period. Seventy-two steers were used in the experiment and the classes of feed were six, viz: long alfalfa hay; cut alfalfa hay; long alfalfa hay with five pounds barley daily; cut alfalfa hay with five pounds of barley daily; long alfalfa hay with 10 pounds of barley daily during the last half of the feeding period; cut alfalfa hay with 10 pounds of barley during the last half of the feeding period.

Those in the fourth class increased 133 pounds per head, 112 pounds per head being the lowest increase. They were fed on long alfalfa hay.

Cattle from the Eastern Oregon Experiment Station have brought good prices in both Portland and Seattle markets. A lot of those experiment cattle was sold on the Portland market for \$3.75 per 100. There were 34 in the lot and they were selected at the end of the feeding period. Six head were selected from lot six; seven head from lot five; four head from lot four; and five head from lot three, and two head from lot two. The rest used in the

experiment were turned into the pasture. A daily gain was noted during the first month in pasture of 61 pounds. Last week cattle from the experiment station sold on the Seattle market to Frye & Co. and Barton & Co. for eight cents per pound. With the shipment was a black two-year-old steer, bred by W. H. Hutchinson and fed at the experiment station. It was sold to Frye & Co. for 10 cents a pound. The steer weighed 1560 pounds, and had made an average gain in weight of two pounds a day from birth. The

consignment was handled by Woodworth & Barton. The table showing the results of the feeding test is given herewith:

| Weight per head | 1    | 2    | 3    | 4    | 5    | 6    |
|-----------------|------|------|------|------|------|------|
| March 29        | 1122 | 1105 | 1168 | 1215 | 1200 | 1213 |
| April 29        | 1122 | 1105 | 1168 | 1215 | 1200 | 1213 |
| May 29          | 1122 | 1105 | 1168 | 1215 | 1200 | 1213 |
| June 29         | 1122 | 1105 | 1168 | 1215 | 1200 | 1213 |
| July 29         | 1122 | 1105 | 1168 | 1215 | 1200 | 1213 |
| Aug. 29         | 1122 | 1105 | 1168 | 1215 | 1200 | 1213 |
| Sept. 29        | 1122 | 1105 | 1168 | 1215 | 1200 | 1213 |
| Oct. 29         | 1122 | 1105 | 1168 | 1215 | 1200 | 1213 |
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