

## Dairy Department

green feed to good advantage. In choosing the grain you should have in mind the roughage and the succulence that you are feeding and try to mix the grain in such a way as to make the ration balance. Oat hay is fairly high in carbohydrates, and if you feed beet pulp you will find it also high in carbohydrates your grain ration, therefore, should be rather high in protein. I would suggest that you mix two parts of bran, two parts of oats and one part of oil meal, and feed this in the proportion of one pound of the mixture to three or three and one-half pounds of milk. When you change to clover and timothy it will not be necessary to feed as heavy on the oil meal, and you can cut it down to two parts of bran to two parts of oats and one-half part of oil meal.

The feeds high in carbohydrates such as corn, barley, corn silage, oats and oat hay are usually considered good for fattening stock, and on the other hand those high in protein are considered milk producing feeds, yet we find that in making a balanced ration for either a dairy or a beef animal we must mix the feeds so as to have some of each, leaning a little towards the high protein feeds in the case of milk producing rations. As to the feeding of salt, will state that it is necessary that the cow gets some salt each day, and if you feed it in the grain ration you should be careful that she does not get too much. Our plan is to drop a few pinches of salt into the grain and in addition have a box full outside where they can get to it at will.

The samples of bran which you sent have been received. It is impossible for us to determine the feeding value unless we actually make a

feeding test. From the standpoint of total nutrients the sample containing the most amount of flour or shorts would be the better, but when we use bran we usually feed it for the laxative properties and also for the protein it contains perhaps, and therefore I would say that the light sample would be the better.

### FEEDING DRIED BEET PULP.

I would like to have you give me some information about the feeding of dried beet pulp to dairy cows. What does it cost? What is the analysis of it? How is it fed, with the grain or by itself? Do you consider it of much advantage when one hasn't any silage? I am feeding a ration of alfalfa hay with a grain mixture of three parts corn chop, two parts bran and one part old process linseed oil meal. Would you advise adding dried beet pulp? R. O. C. Springfield, Mo.

Dried beet pulp has about the same feeding value as corn, practically speaking. It is somewhat different in its physical properties and often works into the ration to a much better advantage than corn. In the absence of succulent feed we prefer dried beet pulp to corn for it may be moistened with water, using about three pounds to each pound of pulp.

There are some discrepancies in the analysis of dried beet pulp, according to information we have, it contains from 4 to 7 per cent digestible protein and about 65 per cent digestible carbohydrates and practically no fat.

The price of dried beet pulp varies according to the locality, or, in other words, the distance it must be shipped. It is a feed that supplements alfalfa hay well and can be recommended if the prices of dairy products and the pulp are such to make it profitable to feed.

Cows will do better when fed pulp with alfalfa than when given nothing but alfalfa hay. We would be inclined, if the prices were the same, to substitute the dried beet pulp for corn chop, or use both the corn chop and the pulp and omit the linseed oil meal. In the absence of dried beet pulp a little oil meal is desirable, especially when animals are receiving no succulent feed. It would be well to provide each animal with three or four pounds of the dried beet pulp daily; that is, animals giving more than 18 pounds of milk daily. Animals giving less would probably require no other feed than alfalfa hay. —Hoard's Dairymen.

### 81 HOLSTEINS SELL FOR \$37,015.

NORTH YAKIMA, Nov. 25.—Eighty-one registered Holsteins, sold at public auction yesterday afternoon at Granger by H. C. Davis of Granger and F. B. Marks, of North Yakima, brought \$37,015, an average of \$457.

The sale is claimed to establish a record for prices for a herd in this country and perhaps for the world.

The cows offered by Davis averaged \$526.54. For Maldeta Canary Mercedes, E. B. Marks paid \$1,800, and for King of the Pontiacs Sanesta Topsy, Calvin Phillips, of Greenbank, paid \$1,175. When these animals topped the \$1,000 mark in the bidding and again when they were sold the crowd, 400 or 500 strong, went to its feet cheering.

Frank Hatch came all the way from Modesto, Cal., to buy Sanesta Topsy at \$1,000, and he bid \$150 above that limit before he stopped. The Greenbank people declared afterward they were prepared to pay \$2,500 for her.

The auction was conducted by E. M. Hastings, of Lacona, N. Y., who declared that the sale was the largest the nation has ever known and the average price higher than ever paid for a large lot of thoroughbred cattle.

Calves sold at good figures. One of them, only four days old, brought \$75 after its mother had sold for \$575. Another bull calf went for \$600 and his mother brought \$825. The calf went to Herman McKenzie, of Silverton, Oregon.

## ALBERS MOLASSES FEED FOR SHEEP

The following letter from Barton & Co. is the best evidence we can produce.

Seattle, Wash., Nov. 20, 1913.  
Albers Bros. Milling Co.,  
Seattle, Wash.  
Gentlemen:

Regarding the test of feeds which we recently made, among others we used your Albers Molasses Feed. After feeding twenty-five lambs twenty days on this feed, we found that they had gained eight pounds each.

We are pleased with the results obtained with this feed and will use more of it in the future, as we are going to feed a large number of sheep this winter.

Yours truly,  
Signed by G. I. C. Barton  
Of BARTON & COMPANY.

As proof that Mr. Barton meant what he said, he bought 100 tons of Albers Molasses Feed. Albers Molasses Feed is the cheapest feed the stockman is being offered in the Northwest at the present time.

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tle, Frank Haberlack, of Clackamas, Ore.; J. M. Williams, of Pomeroy; E. C. Puterbaugh, of Grandview, and Prof. R. E. Chapman of the state reformatory at Monroe, were among the prominent buyers and the stock was distributed in Oregon and Washington.

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William Bishop, Chimacum, Wash.

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