

The Feeders' Corner

The Feeders' Corner is for the use of our subscribers. Any interested are invited to ask questions, or send items of interest. All questions will receive prompt attention.

Experience in Feeding Alfalfa

Wm. Stewart & Sons, Northumberland Co., Ont.

Last year in feeding one of our cows in Record of Performance test we had an experience that showed us with remarkable clearness the value of alfalfa hay for milk production. We were feeding this heifer a ration of ensilage, alfalfa hay and oil meal. We thought that by adding bran we might add to the good record she was already making. The additional ration, however, did not raise her production half a pound a day. We dropped the bran and added a mixture of grain and she came up three pounds a day. We again dropped the grain and added bran and the heifer dropped back to her original production. We repeated this experiment several times with exactly the same results. We then added the bran in addition to the grain mixture, but even then the heifer's production remained stationary. This proved clearly to us that in alfalfa hay the heifer was getting all of the protein required and in the bran, which is a food rich in protein, we were throwing so much money away.

This heifer gave 9,783 lbs. of milk in nine months and 31 days containing 4011.2 lbs. of butter fat. When we dried her up she was giving 24 lbs. of milk, and dropped her second calf in 11 months and 24 days. Surely this is a good record for a two-year-old heifer, milking such a short time. It is also a good recommendation for the feeding of alfalfa to produce milk records.

Corn or Roots?

Prof. G. E. Day, O. A. C., Guelph

1. Corn produces more dry matter per acre and produces it at a lower cost than roots.

2. In cases where rations without roots are well adapted to the requirements of the animals, the addition of roots need not be expected to effect any marked improvement. In such cases, the dry matter contained in roots is a fairly accurate measure of their feeding value. This point is brought out in the comparison of rations containing roots and silage for dairy cows and steers, where silage furnished the necessary succulence. It was also brought out in the Danish experiments with swine, where a ration composed of dairy by-products and meal was fed against the same rations with roots added. The dairy by-products furnished the necessary variety, and the roots were valuable only in proportion to the dry matter which they furnished.

3. When a ration lacked the necessary variety and succulence, the addition of roots effects an improvement out of proportion to the dry matter which they contain. It is in such cases that roots show a value higher than the composition would indicate. This point was demonstrated in tests with swine, where an exclusive meal ration has been fed in comparison with a ration of meal and roots.

4. Roots affect the composition of the animal carcass. It has been demonstrated that roots give a carcass more blood and heavier vital organs than is produced by a dry ration. This point is of great significance. The possession of an abundant supply of blood and of fully developed

vital organs must be an immense advantage to the young growing animal, whether intended for feeding or breeding purposes. This is a point which many of our best feeders recognize, and there is little doubt that roots will continue to be a popular crop on many farms where corn and the silo play an important part.

Live Stock at Toronto

How to encourage the small exhibitors was the principal theme under discussion at a meeting of live stock men called by the Canadian National Exhibition Association, Toronto, a short time ago. The establishment of amateur classes did not meet with approval. J. M. Gardhouse, Weston, telling how a prize offered by the York County Council for an amateur exhibit at the Provincial Fat Stock Show had attracted only a single entry, and other experiences were along the same line.

It was finally recommended that the prize list be extended to comprise fifth, sixth and seventh prizes, though the proposition that the first and second prizes be cut proportionately was not nearly so popular. Another proposition, enthusiastically received, was that the association pay all freight on live stock from Ontario if the Dominion Government will pay freight on all exhibits from points in other parts of Canada.

HIGHEST PRICE FOR CREAM

T. EATON CO. LIMITED is now paying 31c per lb. for Butter Fat. We buy cream, sweet or sour, of good flavor. We furnish the cans and pay the express charges within a radius of 250 miles of Toronto.

We test and weigh each can on arrival, and send you a statement for same.

We pay all patrons once a week, and the price is increased as the price of butter advances.

Drop us a card, and we shall be pleased to furnish you with any further information you may require.

THE T. EATON CO. LIMITED
TORONTO - CANADA

MORE MILK—MORE FLESH
produced by Cotton Seed Meal than is possible with any other feed. It's as true as rich as corn. Guaranteed 41 to 45% Protein. Try a sample ton. You will buy more. Price, \$33 per ton, Windsor, St. Thomas or Woodstock; \$33.50, Berlin or Baden; \$34.25, Barrie; \$34, Toronto; and \$35.10, Peterboro. Send check for trial order. Ask for our free booklet. **The J. E. BARTLETT CO., Detroit, Mich.**

Edward Charles Ryott
AUCTIONEER AND VALUATOR

Pedigree Stock Sales are my specialty. Many years' successful experience out from Woodstock, Oxford Co., Ont., qualify me to get you satisfaction. Correspondence solicited. — 178 Carlaw Avenue, Toronto, Ont.

Progressive Jones Says: "Be Certain You Use the Proper Fertilizer"

THOSE who have made an exhaustive study of plant life state that to get best results it is of the utmost importance to select the correct fertilizer for the particular crop you intend to grow, and to use the right amount to suit the condition of your soil. There are 14 different

Harab FERTILIZERS

FREE GUIDE

Write The Harris Abattoir Co. for a copy of their booklet and complete guide to correct fertilization. The correct fertilizer for each particular crop, and the amounts to use, are clearly shown.

prepared from tested, absolutely reliable formulae. The fertilizers are mixed with the greatest of care and exactness. I've seen them being made myself, and I ought to know. You know, friend, that unless the different parts are thoroughly mixed, fertilizers only give partial results.

Now, friend, all you have to do is to order Harab Fertilizers by number. No. 1 is for potatoes, No. 5 for apples, No. 6 for wheat, and so on. Use them according to directions and I know the results—the bumper crops—will make you smile with satisfaction.

Yours for best results

Progressive Jones

The Harris Abattoir Co., Limited, Toronto, Canada

