

News and Information For the Busy Farmer

How to Produce Layers
Poultry farmers will find it profitable for the purpose of building up the laying capacity of their flocks, to select the best laying hens of the flock and mate them with males from heavy-laying stock. In one experiment, fifteen of the best layers were set apart for the production of hatching eggs and were mated with the sons of heavy laying hens. The first year of the test the fifteen best hens laid an average of 123.6 eggs and five years later the yield of the best fifteen had gone up to 246.2 eggs per hen.

New Uses For Barley
Until recently the use of barley on the farm was restricted to the feeding of live stock. In Germany, however, barley is used for a multitude of purposes. Millions of bushels yearly are used in the manufacture of malt coffee. Besides this an enormous quantity of the grain is used in the manufacture of bread, breakfast foods, biscuits, infant and invalid preparations, tonics, condiments and food preservatives. In view of this, it would seem that barley is destined to occupy a position of increasing importance in all farm rotations that may be devised with a view to obtaining some relief from the weed scourge.

Canadian Hogs Improve
The gradual increase in the number of select bacon hogs indicates two things, namely: better breeding stock and more attention to rations. Competitions conducted last summer show that there is a very good profit over the cost of feed if the pigs are bred right and have the necessary feeds in the right proportion. Although Danish bacon still brings a higher price than Canadian on the British market, the quality of our bacon is constantly improving and prospects are that with the

improvements that have already been taking place, the time is not far distant when Canadian bacon will be on an equal plane with that of any country in the world.

With the coming of winter, fire hazards on the farm are on the increase. The tractor and the gasoline engine have also introduced a new fire menace and care should be taken in their operation and storage. The storing of gasoline and kerosene is a kindred subject and the proper facilities for both should be provided.

Poultry and Potatoes
Small, unmerchantable potatoes may very profitably be fed to poultry. An experiment to compare boiled potatoes with corn meal in the laying mash showed that the potato-fed pens did even better than when corn meal was used. Each group was fed a scratch mixture of two parts wheat, and one part oats. One group received a dry mash containing equal parts of corn meal, wheat bran, wheat middlings, and crushed oats. The other group received a moist mash consisting of equal parts of wheat bran, wheat middlings and crushed oats mixed with boiled potatoes. The proportions fed were two parts potatoes and one part mash. Each group received charcoal grit, milk, green feed and water. Both egg production and hatching results showed an advantage in the case of the potato-fed poultry.

York County is reputed to have more great young Jersey bulls than any other county in America. One reason is that there are three Bagb herds in the county and for two decades only outstanding sires have been used in these herds. Production combined with show ring quality is considered essential, therefore sires are selected only from families known both in the show ring and at the stall.

An outstanding feature of the recent International Live Stock Show at Chicago was the O. A. C. exhibit built



ONTARIO'S LIBERAL CHIEF MAY GO TO OTTAWA
Although Hon. W. E. N. Sinclair, Leader of the Liberal Party in Ontario, has denied that he is going to relinquish his position in the Ontario Legislature to take over a position in the Federal Cabinet the rumor continues to circulate in prominent political circles. Above are W. E. N. Sinclair, K. C. (right) and S. C. Tweed, (left) who is mentioned as the new Liberal Chief.

around the theme "Canadian Lamb has a place in the Sun." It was prepared under the direction of John Buchanan, director of extension at O. A. C., in co-operation with the Industrial and Development Council of the Canadian Meat Packers.

Martin Birds Won
White Wyandottes owned by Hon. John S. Martin, Minister of Agriculture, scored several notable victories at the recent Chicago Poultry Show. In keen competition they captured the "best display" award in their class. The complete list of winnings by the Martin birds was as follows: 1st, 2nd and 4th hens; 1st, 2nd, 3rd, 4th and 5th cockerels; 1st, 2nd and 4th old pens; and 2nd and 3rd young pens. A total of 46 birds were entered by Hon. Mr. Martin who had not shown at Chicago for three years.

Controlled Bee-Mating
Beekeepers have for years been troubled by the handicap entailed in their efforts to bring about controlled mating. The queen bee always mates on the wing and attempts to devise a form of selective mating have always failed. For five years a scientist in Cornell University has been working at this problem and now announces that extremely fine instruments so that queen bees can be artificially mated to selected drones. This success, when put into use, will enable beekeepers to improve the quality of the honey bee. The O. A. C. is working on the new invention in an effort to assist Canadian beekeepers.

Celery King
From a recent announcement of the Vegetable Growers' Association of North America, it appears that George Bycroft, who resides near London, Ont., is the "Celery King of America". Mr. Bycroft grows the new Paris Golden variety and his celery soil is a sandy loam watered by an overhead irrigation system. A good coat of manure was plowed down in the spring and before the plants were set out, 2500 pounds of the acre of 0-12-15 mixture was broadcast and worked in. When the plants were a foot high they were side-dressed with Chilean nitrate of soda at the rate of 150 pounds to the acre. This was repeated two or three times. By giving his plants an adequate supply of plant food, Mr. Bycroft was able to secure the succulent growth necessary in high quality celery. The plants were bleached by boarding the sides of the row.

Any elaborate account of Canada's part in the International Live Stock Exposition at Chicago is rendered prohibitive in this column due to lack of space. However, we believe that Canadian farmers generally followed with keen interest and pride the daily newspaper reports of remarkable victories scored by Canadians in the departments of field crops, live stock, poultry and others.

BEEKEEPING EAST AND WEST
(Experimental Farms Note)
In a country as large as Canada, one naturally finds considerable variation in flora and climate, two very important factors over which the beekeeper has little or no control, yet which he must consider very carefully when planning his system of management. Beekeeping is now carried on more or less, in every province of the Dominion but largely due to the nature of the flora or climatic conditions, there is a wide variation in the degree of success obtained. In the Maritime Provinces, Prince Edward Island, Nova Scotia and New Brunswick, comparatively few bees are kept, but there is no reason why the number should not be increased. The flora is excellent, providing a continuous flow of nectar and pollen from spring to autumn with at least one source, the clovers, from which a good surplus can be expected. Climatic conditions, however, are not quite so favorable as in the more western provinces but in most years a good average crop may be expected. Records from the Experimental Farm at Nappan, show that for a period of ten years an average of well over one hundred pounds per colony was obtained. In the provinces of Quebec and Ontario, the flora is much the same as in the Maritimes, but in some localities sweet clover and buckwheat, two very heavy producers of nectar, are more abundant. Weather conditions, however, are more favourable and honey crops are more sure. In some seasons and in some localities, crop failures are bound to occur as they do almost anywhere. The past year has been a very successful one for the eastern provinces. The Prairie provinces, are beginners in beekeeping but their growth is rapid. The introduction and spread of sweet clover is turning these

provinces into a beekeepers paradise. In the irrigated areas of Southern Alberta, alfalfa is of extreme importance. Climatic conditions are also favorable for the secretion and in gathering of nectar and large crops of honey are the results. Because of drought, the past season was not considered up to the average, yet yields of two hundred pounds and more per colony have been reported. British Columbia also offers good prospects for the beekeeper, her fertile valleys abounding with nectar secreting plants of all kinds are guaranteed for good honey crops, especially where sweet clover and alfalfa are grown. Climatic conditions are not always of the best, but the steady growth of the industry is an indication that these are not altogether objectionable. Experimental apiaries are maintained in every province by the Dominion Department of Agriculture and information regarding beekeeping may be obtained, free, from them.

PLAN FOR MORE VEGETABLES NEXT YEAR

(Experimental Farms Note.)
Vegetables are so much tastier and more wholesome when fresh from the garden, that every farm home should have home-grown vegetables. A good garden will save money, improve the health of the family, and provide more real pleasure than any other acre on the farm.
Plans should be made in the autumn for next season's vegetable garden. Locate it near to the farm buildings if possible, but arrange it so that many of the vegetables can be grown in long, straight rows, with space enough between for a horse cultivator. Select a rich, warm, sandy loam soil, as this will meet the requirements of most of the vegetables to be grown. On many farms the root field will most nearly meet the requirements. When the site is chosen, make a definite plan with so many feet of row for each sort of vegetable; one hundred feet is usually enough for the average family for many kinds, and much more than is required for radish, lettuce or parsley, but much longer rows should be grown of vegetables that can be stored for winter.
Deep autumn ploughing should be

used to cover a heavy dressing of barnyard manure for most vegetables, with the exception of tomatoes for ripening, which do not require extra manuring. For best results the soil should be worked in good till early. To increase the fertility well rotted manure can be dug in with a digging fork. The following seeds are some which can be sown early in the open: beets, carrots, lettuce, onions, parsnips and peas; seeds to be sown in the open after danger from frost is over: beans, corn,

cucumbers, potatoes, pumpkin and squash; seeds to be started in hotbeds: cabbage, cauliflower and celery. Many other vegetables can be added if there is land and time to take care of them.

There's a Reason!
"Girls have the right to dress as they please."
"The maiden announced with vigor."
"But some of them lack the nerve," I said,
"And some of them lack the figure."



Never Sell Grain On A Dull Market

IT DOES not always pay to sell grain as soon as the threshing is finished. If you have a good crop and the market is depressed see the local manager of The Canadian Bank of Commerce and arrange a loan until a more favorable situation presents itself. Our manager is always glad to discuss such problems in confidence.

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Rexall STORE NEWS

Gifts for Women
Now is the time for you to decide what you are going to give your mother, wife or sweetheart. By all means give her dainty toilettries or distinctive stationery. Why? You know, women are ever striving to obtain and retain beauty and charm. Therefore any assistance which you may give her will be greatly appreciated.
Women, too, desire to reflect good taste and refinement. In what better way can this be done than by giving a beautiful box of Gift Stationery?
Your Rexall Store carries a complete stock of these gifts which give women such extreme pleasure.

Gifts for Men
There's an old saying that the best way to please a man is through his stomach. This is true all year around. But at Christmas the best way is to present him with a gift which appeals to man's practical nature.
At your Rexall Store you can get any number of practical gifts—Shaving Needs, Smoking Articles, Military Brushes, Toilet Sets, Playing Cards, Pocket Knives, Flashlights, Cameras and Camping Necessities.
What one of these would fail to please your father, husband or boy-friend? Furthermore, you will find the prices well within your means.

Beautiful Christmas Cards
Don't wait until the last minute to get your messengers of Christmas Good Will, your greeting cards. Come to your Rexall store at once and make your selection from our beautiful assortment. Each card is artistically designed and attractively engraved, bearing on it a sentiment which will convince your friends that you really have a soft spot in your heart for them.

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- Genuine etchings\$1.50, \$2.15 and \$2.75
- New Stock Fancy Table Runners75c. to \$3.00
- Fancy Bed Lights\$2.65 to \$5.00
- Dresden Boudoir Lamps with Shades\$3.85 to \$5.45
- Junior Lamps, with shades\$7.75 to \$22.75
- Taffeta Cushions\$1.90
- Silk Cushions, kapok filled\$5.00

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