

OUR FARM PAGE: ITEMS OF INTEREST TO EVERY FARMER

DIFFERENT TYPES CUTWORM PESTS

Many people think of cutworms as one particular species of insect. Actually they are the caterpillar stages of a number of different species of moths which have more or less similar feeding habits. Some species pass the winter as nearly full grown caterpillars. These become active very early in the spring, feed for a short time and then change to pupa state and later develop as moths in the spring months. Others pass the winter as very small caterpillars, become active when seedling plants are appearing above ground in the spring, feed on such plants over a considerable period and cause severe losses before they reach their full growth. Still others hatch from eggs in the spring and attack late seedlings or transplanted plants.

These features need to be kept in mind in connection with measures for the protection of plants from damage. Preventive measures intended for the protection of plants should be begun early and be continued until the end of June, the entire year against losses of the crop.

Special cultural methods have been devised to combat certain species. As it is desirable to obtain information at the earliest opportunity, preferably before planting, as to the best methods to use in the protection of plants, growers may write to the Division of Entomology, Science Service, Dominion Department of Agriculture, Ottawa, or to the Dominion Entomological Laboratory in the Province concerned.

ANIMAL NUTRITION HELPED BY SCIENCE

In the nutrition of domestic animals chemistry and physiology have made great advances, observed Dr. M. Swaine, director, Science Service, Dominion Department of Agriculture, in a recent address to the Royal Society of Canada. With nutrition, as well as with disease, researches on animals and man are closely linked. The discovery of the special values in young forage is having a marked effect in live stock feeding. When properly prepared from young plants, hay contains minerals, proteins and vitamins in concentrated form. Cereal grass and legumes cut in the young and rapidly growing stage, properly dried and ensiled so as to preserve the carotene content, are now used extensively in live stock feeding.

The younger classes of the Finnish population receive a large part of their vitamin supply in the winter time from milk, of which they consume relatively large quantities, states a recent report. The vitamin A content of the winter milk was found to be only about one-third as high as that of summer milk, when cows were fed in the ordinary way. Finnish bio-chemists worked out the following procedure: Clover and lucerne, which could be frequently cropped, were cut in the green stage and ensiled in a special way so that the carotene content was largely retained, and when this ensilage was fed to cows it was found that even in winter the vitamin A content of the milk was as high as in summer milk; sufficient, that is to say, to provide the human requirement in quantities of milk that could ordinarily be purchased and used.

CLEARING AUCTION SALE

—OF—
FARM STOCK, IMPLEMENTS, ETC.

The undersigned has received instructions from

FRED CONN
to sell by public auction on his premises adjoining the North end of Georgetown, on

SATURDAY, MARCH 15th, 1940
at 1 o'clock, the following:

CATTLE—Jersey cow, 3 years, due June 10th; Jersey cow, 4 years, fresh Feb. 10; Jersey cow, 4 years, due July; Jersey cow, 6 yrs., fresh Jan.; Jersey and Holstein cow, 5 years, fresh Feb. 24; Holstein cow, 5 years, fresh Jan.; Ayrshire and Holstein cow, bred Dec. 28; Roan cow, 7 years, fresh Jan.; Jersey heifer, bred Feb.; Jersey heifer, bred Feb.; Ayrshire bull, 6 months old; pure bred Jersey bull calf, bred by W. Duffy, Newmarket.

HORSES—Mare, 4 years; mare, 7 years.

PIGS—1 Pig, about 150 lbs.

HARNESS—Set of breeching harness, set of light harness, 4 horse collars, set of plow harness.

IMPLEMENTS—Massey Harris binder, Proot & Wood seed drill, Massey Harris mower 5 ft., horse rake, 21 plate disc, spring tooth cultivator, 21 Fleury plow, truck wagon, 3 section heavy harrow, 2 section hook harrow, 2 section light harrow, scuffler, cutter, set sleighs, scales, hay rack, wagon box gravel box, clippers, 2 wheel trailer, forks, shovels, whiffletrees, chains and other small articles.

TERMS CASH.

W. J. Alexander, Clerk
FRANK PETCO, Auctioneer.

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GEORGE C. BROWN NORVAL
Phone 382 r 21

Halton Soil Map to be on Display at County Seed Fair Here

To be Held in Georgetown on Friday and Saturday of This Week under Auspices of Halton Crop Improvement Association.

Halton Seed Fair, which is to be held in the town hall, Georgetown, on Friday and Saturday of this week, promises to be well up to standard, states J. E. Whitelock, Secretary of the Halton Crop Improvement Association. Entries are already starting to roll in and Mayor Gibbons and Council of Georgetown are leaving no stones unturned to ensure ideal arrangements for the show. The programme on Saturday afternoon contains much of interest. Educational exhibits in Forestry, Field Crops and Soils will be on display with officials in charge well qualified to answer all inquiries in their respective fields.

We understand that Halton's newly completed Soil Map will be on display for the first time. The preparation of this map necessitated a very complete and systematic survey and study of soils in all sections of Halton by Prof. Frank Morwick and staff of the Soils Department of the Ontario Agricultural College. Only a limited number of counties in Ontario have been able to secure this service and it is a real feather in the cap of

In the NEWS of the Week

As forecast in this newspaper a short time ago, hotel keepers, tourist camp operators and business men generally are being asked to co-operate in the big effort to attract tourists from the United States. Announcement was made in Ottawa last week that these people are being circularized so that all may realize the extreme importance of the tourist traffic to Canada. Of seeing to it that the visitor gets full advantage of the difference in exchange. The price of gasoline does not reflect the heavy increased cost of producing it since war began, and through government regulation and the co-operation of private industry, prices of food stuffs and commodities of all descriptions are being kept low enough not to constitute a resistance to the inflow of American visitors.

Dissatisfaction is evident among Ontario municipalities over the provincial government's decision to reduce expenditures on county and township roads by as much as 16 per cent. Last week the Ontario Good Roads convention passed a resolution of protest against the move and similar forms of objection may be expected from other quarters throughout the province in a short time. There is one point to keep in mind, according to the Minister of Highways, the provincial government had been placed in a position wherein an issue of debentures for capital expenditure may be approved by the federal administration.

With the sun appearing more spring like every day, agriculturalists are moving again into the front rank of conversations wherever war effort is discussed. While federal and provincial departments have been giving advice ever since the war started in the fall, the farmer may expect increased attention from now on. As a matter of fact, he may be scratching his head puzzled as to which advice he should take, before the season is nicely under way.

Already he is getting warning against increasing his acreage, against the evil of over-production. From another quarter, he may soon hear an opposite story. But it is a safe prediction to say that in due course, the government in power will see to it that authoritative guidance for farmers, in so far as the war program is concerned, will eventually come from one central point. This in the interest of efficient co-operation towards winning the war.

Other days were recalled last week as the session of the Ontario Municipal

Electric Association witnessed the chairman of the Ontario Hydro Electric Commission urging action on the St. Lawrence waterways project. It is some years since pressure in behalf of this plan came from authorities in this province. The history of negotiations for the development has been very unusual, with Ottawa, Ontario and the United States interests being alternately "luke-warm and enthusiastic until now—when all three seem for the moment to be freely enthusiastic.

Ottawa's problem at present seems to be one of placating the province of Quebec and western provinces, where there is being developed the argument that all of Canada will be taxed for the cost of the big power scheme with the direct benefits going to Ontario.

It will not be surprising if the subject takes its place in the election campaign. If it does, we shall likely see the Federal Government asserting in the first place that the development will eventually pay for itself. In the second place that industrial development is essential for this country and that what benefits industry in Ontario is of great value everywhere in Canada.

The core of Dr. T. H. Hogg's remarks on this point in addressing the O.M.E.A. is contained in these words: "This development can hardly be classed as a war measure for even if it were undertaken to-morrow it would be five years at least before it could become of use.

"The scheme now under negotiation was selected with a view to avoiding features which in 1934 aroused objections in the U.S. Senate. From an engineering standpoint the plans are sound and lower in cost than those in the 1932 treaty.

"At the same time the plans afford full protection for all the interests in the various sections of the St. Lawrence River."

Incidentally, for those who are interested in plotting the expansion of industry in this country, here is what Dr. Hogg said on that score: "We would be men of very little faith if we did not look ahead and prepare for a more beautiful future. In such a future the demands made upon industry will be vastly enlarged, and industry will make new demands on power."

It will come as good news in these days of war stress, that the Ontario Government is preparing to continue the existing basis of relief contributions to municipalities.

The present agreement with Ottawa provides for the payment of 40 per cent by the Dominion, 40 per cent by the province and 20 per cent by the municipalities—the province reserving the right to establish monthly quotas for relief by any municipality. It is announced that during 1939, Ontario municipalities have been saved about \$800,000 by the provinces arrangement with Ottawa.

The important news in Canada these days is once again the news that for good and sufficient reasons cannot have a big play in the press at the moment. But no censorship regulations are broken when we report that right now there is being carried out

an intense development of air training for young men across the Dominion. Many of the various schools announced at Ottawa when details of the Empire Air Training scheme were formally publicized are now in operation, and the skill of pilots in training, observers, gunners and groundmen is increasing daily.

If national unity is the prime aim of Canadians, a start might be made by working toward a better understanding between competent parts of the smaller sphere.

Attorney General Conant will not send provincial police into any municipality in Ontario until so requested by the municipality authorities, he has announced, largely because local jurisdiction is jealous of its rights and resents outside interference. The spoken decision followed an argument over gambling centres said to be operating in municipalities adjacent to Toronto. The attorney general holds the view that if municipalities in question want help, all they have to do is ask for it; reformers, asking for action against the gamblers, want the government to take the initiative, disregarding the attitude of the local police.

SCHOOL DISMISSED

The lesson was on the power and effect of wind.

"As I was coming to school to-day," said the very pretty teacher "the bus door opened, and something came softly in, kissed me on the cheek. Can you tell me what it was?"

"The conductor!" came the prompt and unanimous reply.

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PROGRAMME

FRIDAY, MARCH 8th
FORENOON: Receiving and setting up exhibits.
AFTERNOON: Judging exhibits.

SATURDAY, MARCH 9th
FORENOON: Junior Farmer Judging Competitions.
AFTERNOON: 2:30 p.m.—W. R. Reek, Deputy Minister of Agriculture for Ontario. Subject: "War Time Activities in Agriculture."
Prof. Frank Morwick, O.A.C., Guelph. Subject: "What Halton Soil Survey Reveals."
John McLeod, Acting Director, Crop, Seeds and Weeds Branch, Toronto. Subject: "Ontario's Most Neglected Crop."



Ready AND ABLE FOR THE BIG TASK AHEAD

With silent yet perceptible determination and without need of regimentation or special organization, the Canadian Farmer has accepted the responsibility which is his, to maintain a ready abundance of the vital foodstuffs so essential for the Empire and the success of its great cause.

Difficulties and disappointments may have impeded his progress through the trying years from which he is just emerging, but provided, as he now is, with purpose nobler than self-interest, he sets himself to the task with loftier ambition and renewed energy. Eager he is for that conscious recognition within himself of having a definite and necessary part in the Empire's struggle to retain and maintain our dearly won and highly treasured freedom. Zealous is he that his contribution may be worthy and adequate.

By his side ever ready to help make more effective the farmer's effort is the Canadian Implement Maker whose co-operation in furnishing the most efficient machines enables him to multiply his output and extend his activities so that today he produces more with less manpower and in the most economical manner yet attained.

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