

A PEST ATTACKING THE CORN

In view of the fact that the pest mentioned in the following article from "Farm and Fireside" has made its appearance in this section we feel that our reproduction of the article will be of value as well as interest to our readers. Persons who detect the presence of the insect in their gardens or fields should cut some of the corn-stalks and send them to the Experimental Farm for examination, as it is most desirable that a remedy should be discovered. The clipping which follows was handed to THE ACADIAN by Mr. C. R. H. Starr:

Several years ago an insect was introduced from Europe which may prove as disastrous to American agriculture as the boll weevil and the San Jose scale have been. That insect is the European corn borer. Shortly after it was first discovered in Massachusetts, in 1917, it was described in FARM and FIRESIDE, and the danger of allowing it to spread pointed out. It was then found only in certain Eastern States. Quarantine orders were issued by federal and state officials, and immediate precautions were taken to control the insect.

But the corn borer did spread, and is now on the verge of entering the Corn Belt. It is found in the lake countries in Ohio and in Monroe County, Michigan. Only the strictest of quarantines and the most drastic methods will control it.

In its mature form the corn borer is a moth. The female moth is a pale yellow, with a stout body and a wing expanse of a little over an inch. The outer third of the fore wing is marked by two darker lines; the hind wings are unmarked. The male moth is reddish brown and has a long, slender body. It is slightly smaller and much darker than the female. On the fore wings of the male is a pale yellow streak between the two darker lines, and near the middle are two small yellowish spots. The hind wings are grayish, with a broad band of pale yellow.

The caterpillars are about three-fourths inch in length when grown, yellowish gray, brown-headed, with tiny brown spots, and with indistinct reddish or dusky stripes. They may be distinguished from other corn borers by the series of horny, light brown warts, each with one or more short, stout hairs. These are the only caterpillars that feed on the developing tassels, bore in all parts of the stem and the cob, and devour the kernels on the cob. There are at least two, and

possibly three, generations of the corn borer each year. The moths fly from the Middle of May to late June. They fly at night, and it is believed that infestation in Ohio has come from moths which have flown across Lake Erie from Canada, where control over the pest has been lost. These moths lay their eggs on the under side of leaves in shingle-like, oval patches. Broods average over two hundred in number. The young worms feed on the corn leaves, and as they grow larger, attack the unfolded tassel, causing a breaking or bending at the base. The older worms enter the stalk, and tunnel through all parts of the plant except the fibrous roots. The plant is weakened, growth is checked, and often the ears fail to fill out. In a quarter-acre field of sweet corn in Massachusetts, every ear was found to be infested. As many as 117 corn borers have been found in one corn plant.

You can detect the corn borer in green corn by holes in the stalk or stems from which crumbly debris or sap issues. The ears also may be noticeably infested, or the tassels may be broken. If the corn borer attacked only the corn plant, controlling it might not be such a hard job. But it attacks also broom corn, sorghum, Sudan grass, celery, green beans, beet tops, spinach, rhubarb, oat and rye straw, and flowers and weeds of various kinds.

If you are in an infested area, and if the insect is present on your farm, you can co-operate with the officials in enforcing the quarantine and in putting other measures into effect that might serve to stop the pest from spreading. Burning infested plants is the only sure control method.

If you are not in an infested area, you won't be bothered with a quarantine, but it will be to your interest to watch for any signs of the corn borer. In case you see anything suspicious, report immediately to your county agent or agricultural experiment station, or both, sending samples of the insect found and the plants it has been working on.

Due to the fact that the corn borer moth flies such great distances, and can be transported in so many different plants, it is impossible to predict where it will show up next. It may be on your farm.

Some experts think that it will be impossible to wipe out this serious crop menace until some insect or other natural enemy is found that will control it automatically, as has happened with the San Jose scale. But until that time comes it is extremely important to leave no stone unturned to keep the insect from spreading.

Squeaky springs should be soaked in gasoline before applying oil between the leaves.

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SHORTAGE OF APPLE BARRELS IN CANADA

Secretary of the Canadian Horticultural Council at Ottawa, after having made a complete survey of the amount of apple barrel stock and made up barrels available for this year's crop, announces that there is every probability of a serious shortage.

In a few of the barrel sections of the Dominion the stocks held by the coopers may fill the possible demand, but in the majority of districts, where a large crop is forecasted, there does not appear to be sufficient stock to meet more than half the requirements.

In explanation of the shortage of stock it is claimed that the barrel manufacturers having suffered severe financial losses last year, have not made as large purchases as usual, and that on April 1st, 1922, there was only about 58 per cent. of the available supply of cooperage stock in sight as compared with the same time in 1921. Therefore, there is not nearly sufficient on hand should the apple crop turn out as at present prospected. This condition also applies to the barrel apple sections in the United States, where official reports from Washington state that the crop will be at least 200 per cent. greater than that of last year.

The barrel manufacturers claim that the apple growers are in the habit of holding back their orders for barrels until picking starts, thus causing a demand which overtaxes the capacity of the mills in a year of heavy production, with consequent delay and disappointment to many.

In order to avoid a possible repetition of the disaster of 1920, due to shortage of packages, the Canadian Horticultural Council strongly urges apple growers to immediately place their orders for at least half of their barrel requirements. By so doing, the growers will not only avoid disappointment and delay at the picking season, but will give the coopers a fair chance to meet the requirements of their customers as far as possible.

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A RADIO BALLAD

By Berton Brayley
Sadie O'Grady and Timothy Brady
Sure were an up-to-date pair;
She was a pretty and witty young lady,
He was a lad debonair.
They were a couple of radio sharks,
So when they'd part for awhile
Tim would express his concluding remark
After this manner and style:

"Sadie O'Grady, Oh
Ring me by radio,
Call me up often, my own,
You are my lady, Oh,
Sadie O'Grady, Oh
Ring me by radiophone!"

But Sadie would say,
"Sure your nerves are bringing
To ask me to call you. For Shame!
If anyone's gonna be radio-ringing

It's you should be doing the same!
I'll be at home in the evening, my dear,
Patiently lingering there;
You can be sure I'll be waiting to hear
When you call up through the air.

Timothy Brady, Oh
Ring up your Sadie; Oh
Call me by radio often, my own!
Bright days or shady, Oh
I'll be your lady, O,
If you'll just call me, Oh
Timothy Brady, O,
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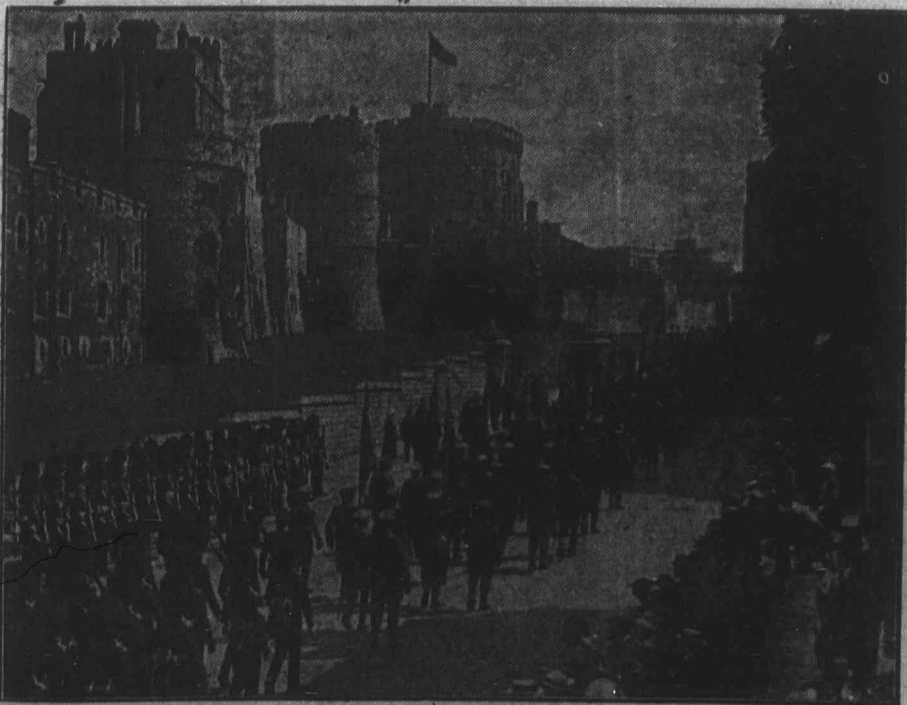
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THE KING RECEIVES COLORS FROM DISBANDED REGIMENTS



The King receives at Windsor Castle recently the colors of some famous Irish Regiments, whose disbandment followed the recognition of the Irish Free State. The regiments whose deeds of valor in many lands are famous in British Military history are—The Royal Irish Regiment, The Connaught Rangers, The South Irish Horse, The Prince of Wales Leinster Regiment (The Royal Canadians). The Royal Munster Fusiliers and the Royal Dublin Fusiliers. The Photo shows the colors and escorts approaching the castle.