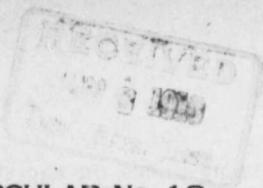


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PROVINCE OF NOVA SCOTIA.

COLLEGE OF AGRICULTURE.

TRURO, N. S., 1917.

M. CUMMING,
PRINCIPAL.

W. H. BRITAIN,
PROVINCIAL ENTOMOLOGIST.

**THE APPLE MAGGOT AND
THE BUFFALO TREE-HOPPER.**

The Apple Maggot

(Rhagoletis pomonella Walsh)

By W. H. Brittain, Provincial Entomologist.

This pest is not generally distributed throughout the Annapolis Valley, but destructive outbreaks have been found in the vicinity of Windsor and Digby, and slight infestation about Middleton. Traces of the insect can be found over a much wider range, but it has only become numerous enough to win notice in the places indicated. In some cases it has been responsible for the loss of the entire crop of susceptible varieties

The adult flies resemble a house fly somewhat in appearance, but the transparent wings are conspicuously crossed with black bands. The larva is a stout cream colored maggot and is devoid of head or legs. The pupa is about the size of a wheat grain and almost the same color.

The flies begin to appear about the middle of July, but the time varies greatly with the locality and the season.

The eggs are not laid for some time after the fly emerges, the time depending on the temperature. Our observations show that as long a period as two weeks may elapse between emergence and egg-laying, though the period may be considerably shorter. During this period the fly feeds

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