

DEPARTMENT OF AGRICULTURE,

OTTAWA, July 20, 1918.

The Honourable,

The Minister of Agriculture,
Ottawa.

SIR,—I have the honour to submit herewith for your approval Entomological Bulletin No. 16, entitled: "The Apple Bud-moths and Their Control in Nova Scotia" which has been written by Mr. George E. Sanders, Field Officer, and his assistant Mr. A. G. Dustan.

The Bud-moths constitute the most important insects affecting generally the orchards in Nova Scotia, where, it is estimated, they reduce the crop in unsprayed orchards by about 30 per cent. These apple pests are by no means confined to Nova Scotia, but are generally distributed and injurious throughout the fruit-growing regions in Eastern Canada and British Columbia. Consequently, while this investigation was conducted in Nova Scotia, where it was begun in 1912, and the recommendations in regard to control measures are based upon the local conditions, the general features of the life-history and habits are applicable to the insect in other provinces. It is necessary, however, to determine for each region the facts concerning the local behaviour of the larvæ in order that the control measures may be correctly adjusted.

It is gratifying to record the increased attention that is being devoted to spraying in Nova Scotia, with a consequent improvement in the quality and quantity of high-grade fruit, as a direct result of the work that is being conducted at our Entomological Laboratory at Annapolis Royal, Nova Scotia, of which Mr. Sanders has charge.

I have the honour to be, Sir,

Your obedient servant,

C. GORDON HEWITT,
Dominion Entomologist.