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Summer Spraying for Apples John P. Stewart, State College, Pa.

Using a combined insecticide and fungicide, either lead arsenate and Bordeaux, 2-4-4-40; or lime-sulphur, 1.01, with two pints of arsenite of lime per 40 gal. preparation and dilution of lime-sulphur, end making of the arsenite, see Pa. Expt. Sta. Bul. 92 or 99.) Instead of the arsenite of lime, two pounds each of lead arsenate and lime may be used in the diluted limesulphur, making the addition as late as practicable. The lime-sulphur preparation is preferable on varieties subject to russetting and other spray-injury by Bordeaux.

If any of the enemies indicated are unlikely to be present, the corresponding sprays may of course be omitted.

(1) When blossoms are just showing pink or slightly before. For apple and pear

scab, canker worm and bud moth.

(2) Within 8 or 10 days after blossoms fall. May begin when petals are two-thirds fall. May begin when petals are two-thirds off. The most important spray. For scal and codling moth or apple worm.

(3) About three weeks after blossoms fall. For codling moth and apple blotch

(4, 5 and 6) If orchard is endangered by bitter rot or apple blotch, spray three times with Bordeaux at intervals of about three weeks, beginning 8 or 9 weeks after petals fall

(Other Sprays): To be made where needed if not sufficiently provided for by those above.

(a) For fungous fruit-spot of Jonathan, etc., Bordeaux or lime-sulphur, as above, about July 1.

(b) For second broad of codling moth, and for the foliage-eating caterpillars of late summer; lead arsenate and lime (2-2-40) about Aug. 1.

The Georgian Bay District

An excellent quality of apples can be grown in the Georgian Bay district of Ontario, but the fruit industry is not receiving the attention that should be given to it the growers. There are far too many neglected orchards in which spraying is never practised and pruning is very seldom done. A large number of orchards are in sod and are not manured or given any special attention. There are a number of reasons for this state of affairs, the chief one probably being that the farmer looks on his fruit as a side issue and only devotes such time to it as he finds convenient after his other work is all done. If it can be proved to the farmer that his orchard is one of the best paying propositions on his place, will he then take good care of it?
In order to test this matter, Mr. I. P.

Metcalf, the district representative of the Department of Agriculture, with the co-operation of the fruit branch of the Department of Agriculture at Toronto, has taken over the management of six orchards in as many representative parts of the township of Nottawasaga. These orchards are to be manured, plowed and cultivated by their owners until just before haying, when a cover-crop is to be sown. Mr. W. F. Kydd of Simcoe has been engaged to look after the pruning and spraying of these orchards. An effort is to be made to keep an accurate account of the actual expenses and also of the value of the crop so that it can be figured out just how much money was made by giving the orchard the best of treatment. If a good profit is shown by this management it is believed that the farmers will take the time (at the right time) to do the necessary work.

THE CANADIAN HORTICULTURIST is too good to miss.—F. S. Carr, Edmonton, Alta.



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Mr. Leigh, Supt., put on the N. Y. C. Stock Yards, Buffalo, N. Y., 40 tons (80,000 lbs.,) of Cold Water Paint with these wonderful hand machines. In event the Spramotor has proven its value. A demonstration like this is more convincing than a bookful of arguments. The Spramotor is guaranteed for a year. In all sizes for Orchard, Potatoes, Painting, Whitewash-ing and Vineyard and Weed destruction. Say what you want it for. This ad. will not appear in this paper again; if interested write now.

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