

The fruit growers of the county have been very much interested in spraying. The diseases and pests affecting the trees and fruit are so many that they realize it is impossible to produce fruit of superior quality otherwise. There are about two hundred fruit growers in the county who sprayed during the past season. We did not conduct spraying demonstrations on our own account; but kept busy visiting those who were spraying, and endeavoured to get them to do the work as nearly right as possible.

In 1909, tests were made with four brands of lime-sulphur, viz., Vanco, Rex, Niagara and Grasselli brands. No difference in the value of these materials was noticeable. We also tried using an excess of lime in Bordeaux mixture. Although the mixture was more difficult to apply, it seemed to be very effective in destroying the Oyster Shell Scale.

In the spring of 1910 we tested the comparative value of arsenite of lime and arsenate of lead when used as an insecticide along with lime-sulphur as a summer spray. The former was most effective in controlling the Codling Moth, but when applied in greater quantity than recommended resulted in severe burning of the foliage. In spite of the latter, the fruit growers here prefer to use it on account of the cheapness of preparation.

This year the orchards which have been sprayed and cared for have an abundance of first-class fruit. Preparations are being made already for next year's work and much of the material is already ordered.

Mr. Whitford Collier of East Lake has an orchard of twenty acres, consisting of Baldwins, Cranberry Pippin, Spies, Bottle Greening, and Ben Davis. This spring he purchased a complete spraying outfit and four barrels of lime-sulphur mixture. He claims that the spray was worth \$400 to him this season.

There is another very good object lesson in another locality, at Albury. Mr. Wm. Peck owns an old orchard of about 7 acres. A year ago this orchard was very seriously affected with Leaf Blister Mite and the fruit was ruined by Codling Moth. This year the orchard was sprayed thoroughly and sold for \$1,500, while a year ago, when there were more apples, it brought the owner less than \$400. The Leaf Blister Mite and the Oyster Shell Scale are possibly the worst enemies of the fruit grower in this county. The lime-sulphur mixture seems to control these almost entirely. The concentrated material is very expensive, costing approximately \$13 per barrel laid down in Picton. Through the introduction of the home-boiled lime-sulphur, the farmers are more apt to take hold of the spraying. It is much cheaper, as it can be prepared at less than one-third the cost of the commercial.