

### A Profitable Investment

**I**T would be difficult to find a fruit grower who is more firmly convinced of the value of spraying than is Mr. Joseph Tweddle, of Fruitland, Ont., whose place was visited recently by a representative of *The Horticulturist*. "I have been using a power sprayer for two years," said Mr. Tweddle, "with which I spray 100 acres of fruit, and my sprayer, although an expensive one, paid for itself, several times over, the first year. I spray two to four times, depending on the season, and aim to secure



Spraying in Mr. Tweddle's Orchard

75 to 90 per cent. of clean apples. My peach trees are only sprayed once.

"For killing insects, such as the curculio, my belief is that the old formula of four ounces of paris green to 40 gallons of Bordeaux is not strong enough to do quick work, as the insects are able to do considerable damage before that solution, which works slowly, destroys them. I use half a pound of white arsenic of lead, costing five cents, which is boiled for three-quarters of

an hour in one pound of fresh lime, or boiled with two pounds of sal soda. This mixture has proved very effective. If applied too coarsely it may burn the trees, but if the spray is fine no damage should occur."

### Trimming Trees

PROF. H. L. HUTT, O. A. C., GUELPH, ONT.

What season or month is the best for trimming trees? Should all fruit trees be pruned at the same time? When should shade trees be attended to?—(Amos Bruege, Brantford, Ont.)

The safest time to prune or trim trees of all kinds is early in the spring after severe frosts are over and before growth starts. There is then little danger of the trees being injured by frost and severe winter weather, and wounds made at that time heal readily.

With maples and other trees, which naturally bleed freely when pruned, it is just as well to leave the trimming till late in the spring when they will not bleed so much. Bleeding is not so serious an injury as is usually supposed, but often forms a lodgment for spores of fungous diseases, which are the cause of rot.

### Arrested Growth of Trees

W. T. MACOUN, C. E. F., OTTAWA.

I have some apple trees planted last spring that have not shown any sign of growth; also an Austrian pine. The apple trees are green and the pine holds its leaves. Will they grow this spring, or would you advise planting other trees in their places?—(Chas. Derrdale, Walkerton, Ont.)

If the apple trees and the pine tree were alive in the autumn of 1904 it is quite likely they will live. It frequently happens when trees are received in poor condition, or if the soil is not properly prepared, or the trees not planted carefully, they will make little or no growth during the first season. If the winter is very severe it is quite possible they may die, as trees that are not in a thrifty condition suffer, but the chances are that they will live.