

desired. It keeps far into the winter. But it drops badly before picking time, and no apple suffers worse from the black spot. Spraying, which is now fast growing to be a necessity in the St. Lawrence valley, will make the McIntosh an almost ideal apple.

The Duchess, as elsewhere, is perfectly hardy along the St. Lawrence. It is not largely cultivated, however, for it ripens too early and keeps so poorly that the market is soon glutted. It is too sour.

The Ontario has been fruited with us, and the tree gives promise of being hardy. It is hoped that another good winter sort may be added to our list, but it would be rash to plant largely till a further test is made.

The Pewaukee has won great favor so far at Lancaster.

The Scarlet Pippin is another promising apple. Fruit has been sold in Montreal this fall at \$5 a barrel, and more wanted.

The Wealthy is very hardy, does not spot, and bears heavily, but, unless it is severely thinned, it drops its fruit, and the apples are small. Its flavor is not agreeable to all.

The Talman Sweet may be considered fairly hardy.

Other kinds are being tested, and some of them may prove worthy of finding a place in the half-hardy list, and perhaps in the hardy list. A few of the tender kinds are doing very well where they are top-grafted on selected native stocks.

Pears are not successful. The Flemish Beauty and Keiffer are tried more than any other varieties, and in sheltered spots will live to be well grown and will bear fine fruit.

It is not safe to plant the pear for commercial purposes. There may be possibilities in future from Russian varieties and other hybrids. Cherries do better than pears, but there are few planted.

Grapes of all kinds do well, but there must be careful protection in winter. The low price at which western grapes are sold forbids our raising them for market, owing to the expense of covering the vines well with earth in the fall. Last winter I failed to cover a part of my vines. The result was no fruit this year, but vigorous new shoots grew and I may have a crop next fall. Only the earliest maturing kinds are desirable, such as Concord, Worden, Delaware, Moore's Early, for fear of early frosts.

In strawberries our most satisfactory kinds are Crescent, Wilson, Manchester, New Dominion and Bubach. We have tried many kinds, but all have some lack, and some lack all good qualities. Although the same holds good of all fruit it is more especially applicable to strawberries, and that is that a variety that does well on one kind of soil may not do so well on a different kind of soil in the same vicinity.

Plums are a very uncertain crop. The trouble is not so much in the hardiness of the trees as in the thawing and freezing in March and April, which injures the blossom buds, and perhaps in the cold, east winds in spring. Our best kinds are Lombard, Saunders, Glass Seedling and Yellow Egg. The Ritson cannot stand our winters. Japanese plums are still in the experimental stage.

In Black Caps, Older and Conrath have both proved hardy without protection. Gregg is tender and Columbia does not seem quite up to the mark either in vigor or hardiness.

In raspberries the Cuthbert is mainly planted, but it suffers from frost at the tips.

In treating on fruits hardy along the St. Lawrence. I have tried to rely mainly on my own experience. It may differ from the experience of others in other parts of the St. Lawrence valley. It is not well to be arbitrary in our opinions, but to be open to conviction.

I would close by saying that I have just seen again the report of the Ontario Fruit Experiment Stations, and that I think it is very reliable.