

season, were unlikely to ripen. The severe frosts, however, referred to as coming so early, put an end to all doubts, by completely destroying both the fruit and the foliage and killing back the unmaturing wood, in some cases to near the ground, but still sufficient wood remains to shew, with a favourable season for fruit next year, a variety of sorts seldom met with on an equal space, which will be understood when I say that the ground under three acres in extent, with about five hundred vines in all, contains a variety of over eighty different sorts (a list of which was given in last year's report), each having claim to a distinctive property or merit, according to the tastes or prejudices of those who have introduced them, and, growing side by side under equal conditions they cannot fail to prove instructive to students as well as to visitors who are interested in grape culture.

APPLE ORCHARD.—Of the old apple orchard adjoining the College Buildings, which has done good service in past years, little can now be said. During the last two years it has been so reduced by the changes taking place on the grounds that only a few trees on the south side now remain, which have given a few apples this season, and they in their turn will also soon have to give way for required alterations.

But I am glad to say that the young orchard continues in a thriving condition, and promises in the course of a few years to make up for all deficiencies. It is now about eighteen acres in extent, and contains over twelve hundred fruit trees, including one hundred and thirty varieties of apples, fifty-five of pears, thirty of plums and eighteen varieties of cherries.

About two acres of ground yet remain to be planted, intended principally for new varieties from time to time as presented, a committee of the Fruit Growers' Society making the selection, a few vacancies have occurred during the year, some of them incidental to cultivation, which it is intended to fill up in the coming spring. A shelter belt or wind break was completed last spring, along the north side of the orchard, by planting over two hundred Norway spruce from four to six feet in height, all of which are growing without a single failure. Indeed, all planting and transplanting operations, on account of copious and timely showers throughout the growing months, has this season been specially successful.

NURSERY.—The nursery ground already referred to, is divided into five plots, each to be bounded on the north and south sides by hedges composed of different shrubs. When completed they will be ten in number, intended as permanent specimen hedges. Four of these only are planted, viz., white cedar, Norway spruce, barberry and buckthorn. The various plots now contain, besides the material intended for arboretum, from two to three thousand seedling forest trees, consisting of black walnut, butternut, hickory, white oak, birch, ash, elm, several varieties of maple, Norway and native spruce, etc., some of which have been raised from seed in the garden or experimental ground, and intended for the farther extension of forest tree clumps on various parts of the farm, as from year to year may be decided on, for the double purpose of effect in breaking views and showing the growth and progress of the trees under cultivation.

A clump of each of the following trees is already planted: black walnut, butternut, sugar maple and larch, native and European; also a mixed clump, containing ash, elm, birch, linden, larch, walnut and butternut, etc.

The first of these were planted three years ago, under the superintendence of Professor Brown. They are now well established, and last year have made a large and healthy growth.

GREENHOUSES.

I regret to say that in this department but little progress has been made during the year, although a few new plants have been added to our collection, and sufficient material secured to keep up the stock of bedding plants, etc. The buildings still remain in the unsatisfactory and unsafe state as reported for the last three years, and, although we have no desire to grumble, this remains our principal grievance. The many and pressing demands for alterations and repairs are postponed from time to time, fully expecting each year that the present structure will no longer be necessary, from the decayed and shaky condition of the whole fabric, externally and internally; with its defective heating flues,

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