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them is indulged in. The lime-sulphur wash quicklime or unslaked lane ground sulphur, using twen water, and boil for one horn Then add enough water to the Strain through a fine cloth as almost with at least 24 meshes to the mesh

some of the other spraying missing some on easily prepared:

Two pounds of whate-out some district one gallon of water.

Common kerosene oil or conde petroleum. emulsified, and used not stronger than 30 per cent for peach and plum trees, and not more than 50 er cent, for apple and pear tree.

Commercial insecticides, generally known as soluble oils, offered by different firms, are approved of by many, but special care should be exercised in the strength used. Thorough knowl edge of them is desirable before making general

In every case, thorough application is the main essential. For small areas, painting with a large brush is recommended. On large orchards, a power spray, giving very fine mist, is best

Authorities do not hesitate to state that there is danger of injuring the fruit buds by spraying too early in the fall. These buds require some time after the leaves bave fallen before they be come hardened and ready to withstand caustic solutions. For this reason, fruit-growers are urged not to suray for San Jose scale before at least two weeks after the leaves have dropped.

APPLES AS GROWN IN ANNAPOLIS VALLEY.

This has been a most eventful year in the fruit interests of Nova Scotia, or, rather, that part of it called the Annapolis Valley. In the beginning the "Brown-tail Moth Scare" was beneficial in causing the orchardists to take more interest than ever in the care of their trees. The old saying. that "We never value a thing till we have fear of losing it," was exemplified in many cases last. spring, when many neglected orchards were renovated, sprayed, and generally cleaned up, incidental to a search for the brown-tail. Then, for this, as well as the reason that good literature, institute work, etc., are waking up our farmers, spraying was practiced more widely and more thoroughly than ever before.

Thus, the farmers did more carefully than formerly what they could to get good fruit. Then the other party to the contract stepped in and gave us nearly an ideal season for growing apples -a season with abundant rainfall during the first part, for creating a rapid and healthy growth in the fruit, and sunny, warm weather during September and October to give it color and finish. Probably never before has Nova Scot'a had such a large crop of such excellent quality as this season, gathered in perfect condition, practically without a windfall.

The fruit-growers of Nova Scotia were fortunate, also, in choosing such a year for making a special effort to hold a Provincial Horticultural Now, it is difficult to fittingly describe this show of fruit, or, rather, apples, without gaining a reputation for bombast, but the following facts are worthy of note

First-We had an ideal season for growing

Second-The men who exhibited that fruit ap-

proximated ideal erchardists. an ideal place for gro

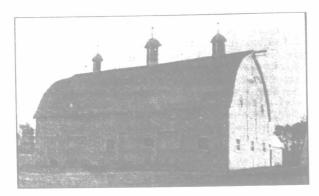
Now your readers are ready for the following WE HAD THE BEST SHOW OF APPLES EVER

SEEN AT ONE PLACE AND TIME ON EARTH. To prove this, men who had been all over Canada at fruit shows, men who had visited such places in the United States, and men who had visited the yearly shows in England, agreed it was the best they had ever seen. Thousands of plates of apples nearly perfect in typical shape, color and quality, over four hundred barrels of packed fruit, fit for a king, and many boxes. The tempting prize list of some \$2,600, of course, was an important factor in bringing out so large an exhibit. One of our Annapolis County men. E. T. Neily, won some \$160 in prizes. Other prizewingers were B. Chesley, T. B. Messenger, D'Almaine, arker, Moore, etc. The judging was excellently done by two Ontario men. J. C. Smith and A. McNeill. In a report published by one of our eastern papers, the judgment of these men was rather rudely questioned, but the report was evidently written by the "printer's devil." or somene equally unqualified to criticise such men as Messrs. McNeill and Smith. The judging was done by emphasizing the points of uniformity. Size was rightfully not color and typical shape. taken into account when the other attributes were faction among those whose lack of judgment led them to exhibit fruit abnormally large coarse and unattractive. The educational value alone of the can be used, and also to test their keeping quali-

or work done by the judges has merited the approir a of the best men who attended the exhibi-The weather during the week was ideal. Amapolis Co., N. S. R. J. MESSENGER

PROCRESS AND EXPERIMENTS AT JORDAN HARBOR.

the possibilities in transforming broken-down rall farms into up-to-date, prosperous-looking areas for the production of fruits and vegetables. has been clearly demonstrated at the Horticultural Experiment Station at Jordan Harbor, Ont. In three seasons, or, rather, since July, 1906, the numety acres of which the farm is composed, and



Barn on Horticultural Experiment Station.

most of which was in poor condition, or, at least, unprofitable as a fruit farm, have been brought into a comparatively high state of cultivation and given a strictly horticultural and experimental appearance. The removal of some three hundred worthless peach and plum trees, as well as grape vineyards that had run wild, and unsightly old buildings, followed by the application of a liberal supply of barnvard manure, and, by well-directed labor on drives, plots and plantations, give some idea of the factors that entered into this transfor-



Canning Factory and Cold Storage New Administration Building in Background

carefully-planted orchards bear testimony to the amount and the excellence of the work done.

COMPLETE DRAINAGE SYSTEM.

The nature of the soil demanded drainage. This demand has been met by a complete network covering the ninety acres, and giving a total length of about 11 miles. The result has been marvel-Land that in 1907 could not be touched until May 15th, or later, was in fit condition for cultivation this year by April 10th. Levels were carefully talen, so that in no case is the fall less than 2½ inches in 100 feet. The average depth below the surface is about three feet, but in a few places, for short runs, it was found necessary to leave the tile only 2 feet underground.

Standing out most prominently among the changes on this farm, are the buildings already



Harvesting the Onion Crop. Tests with Fertilizers.

erected, or now nearing completion. In every case a rich and substantial appearance is presented. The barn comprises horse stable, feed room, carriage room and sprayer room, with a basement for housing the farm implements. cold-storage building of fair proportions has been provided for storing specimens of various kinds

ties in cold storage. Not, by any means, of least importance, is the canning factory, in which are tested the canning or pickling qualities of the numerous varieties of fruits and vegetables. Different methods are adopted in an effort to find out for growers and Tanners whether or not there are varieties which might displace some of the standard sorts. Factories are slow to use new varieties until it is proven that the quality is superior, and growers are slow to grow a new variety until the factories assure them of a ready

NEW BUILDINGS OF RED BRICK.

The administration building and the directors' residence will be ready for occupation by the end of the year. Both are of high-grade red brick. The former is an imposing structure, comprising office, library and reading-room on the main floor, and laboratories on the upper flat. In the base ment are store-room, boiler room and coal cellar. To the rear is a workshop. A greenhouse, also, is being put up adjoining the boiler room. insure permanent labor at the Station, a double house is being erected for the accommodation of teamsters and others. An indication of the care that will be exercised in planning and constructing the roadways and drives around the buildings when completed, is presented in the main approach and massive stone bridge spanning the creek between the entrance from the highway and the group of buildings.

CULTURAL METHODS.

Special precaution has been exercised in cultural methods adopted. This year some of the land has been in oats, and a few acres were devoted to hay crop. As soon as possible, every acre will be used for fruit and vegetable production. In preparing ground for tree-planting last spring, a start was made after the grain crop was harvested in 1907. Thorough cultivation was practiced all fall. Before winter set in the area was ribbed up. Last spring this was levelled and plowed, and subsoiled to a depth of sixteen or eighteen inches. The land was well cultivated until the middle of June. Pert of the area planted to apples was Craded driveways, labelled plots and sown with leas, which were plowed under during

the summer, or before the pods were nearing matur-A high percentage of all kinds of young trees have grown, and the land is in creditable condition. PREPARING FOR VARI-ETY TESTS.

Much attention is being paid to variety tests in all fruits, two or three trees each of numerous varieties having been set out. peaches, however, investigation is being made into peach culture with high and with low heads, and also on light and on heavy soil. Standard varieties have

been used for this purpose. As between the two systems, little or no difference can be noticed in the number that have lived through the summer, but the percentage on the light soil exceeds that

on the heavy. Interesting results are being obtained from the eight-acre apple orchard referred to in "The Farmer's Advocate" last season, where part is allowed to stand in sod, cutting the grass and letting it remain on the ground, part plowed in spring, and part plowed in fall. Carrying the experiment a step further, half each of the fall plowing and of the spring plowing is sown with some standard cover crop, while the other half of each is kept under clean cultivation. No appreciable difference can be noted on the areas plowed in spring and in fall, or on the parts on which cover crops are grown and the parts that are bare. But there is a distinct difference both in thriftiness of tree and quality of fruit on the sod and on the parts cultivated, in favor of the latter. trees on the sod are lacking in rich-green foliage, while the leaves have fallen earlier. The fruit is smaller, but more highly colored, and contains a slightly higher percentage of wormy apples. This test, along with many others, will be continued for five years or more.

WORK WITH VEGETABLES.

Several acres, also, are devoted to growing tomatoes, melons, onions, and other crops produced by truck gardeners and those who supply the canning factories. Variety tests on soils of varying nature and tests of standard varieties, with fertilizers commonly recommended for garden soils, form the bulk of the work in this department. The extent of operations in this connection can be gathered from the fact that plots included 53 varieties of onions, 109 of peas, 104 of beans, 95 of potatoes, over 70 of tomatoes, some 60 of muskmelons, about 25 of watermelons, as well as corn and other garden crops. On request from the Ontario Vegetable-growers' Association, special work in variety and dates of seeding has been conducted.