

Among barleys the Mantchurey is held to be one of the best. It is a large six rowed variety, with a light colored grain, a regular and heavy bearer, and is much appreciated. The Purple Hull-less is another sort much praised. The seed of this, was first disseminated by the United States Department of Agriculture. It has a dark coloured grain without husk or hull, is broad leaved, vigorous and stools freely, and is said to yield from 35 to 50 bushels per acre, and weighs from 62 to 64 pounds to the bushel.

In oats the Hogan, a variety introduced from Ireland is highly esteemed. This is a white oat, yielding from 50 to 90 bushels per acre and weighing about 40 pounds to the bushel.

All these have been widely disseminated throughout the State from the college farm, and are now said to be the leading sorts in cultivation.

The only roots which have been tested to any extent are potatoes and of these the Beauty of Hebron stands highest in productiveness and quality. There has not been much done experimentally in fodders beyond tests with Alsike clover, Millet and Hungarian grass. Hay is a very important crop and is largely grown. The size of the experimental plots are 1 rod by 4 rods, and the tests are usually made in duplicate, the results from each plot being given. The whole farm is systematically worked, a careful record being kept of each crop.

Horticulture.

Very little has been done in this department beyond the planting of ornamental trees singly and in clumps for shelter and ornament.

Entomology.

This branch is carefully taught and the teaching aided by collections of preserved specimens of injurious insects from the college museum. Many of the more important species are also bred in the class room so as to give the students the opportunity of becoming familiar with them in all their different stages. The professor who has charge of this branch, together with botany and zoology, Professor C. H. Fernald, brings high qualifications to bear on the work. He is well known throughout the scientific world for his thorough and original work, and has published some very valuable reports including one on the grasses of Maine, beautifully illustrated, and one on the butterflies of the State.

Experimental Station.

The experimental station which has a separate allowance of \$5,000 a year from the State was organized in the spring of 1885 and has thus far been mainly a chemical station for the analyses of commercial fertilizers and cattle foods. Wood ashes are

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