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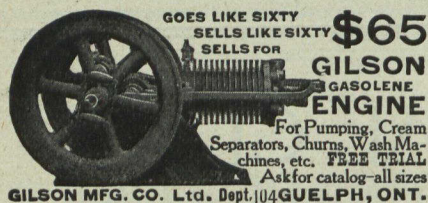
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Horticulture at Macdonald

The orchards and gardens of the Horticultural Department of Macdonald College cover about 70 acres, of which 60 acres are cultivated crops at the present time. The orchard extends over about 25 acres, and contains the leading hardy apples, some cherries, pears and plums; the latter mostly of *Americana* origin. The commercial part of the orchard is so planted that upwards of 50 cultural and fertilizing experiments can be conducted across the orchard, using three trees of each variety for each experiment.

The variety test orchard of five acres is made up of four trees of a kind. This part of the orchard will doubtless present a more or less broken appearance, owing to some sorts under test not proving suitable or hardy.

The orchard is so laid out and roads so constructed that one driving along the roads can get full view of all the different varieties growing, and the various culture methods adopted.

At the present time the orchards are sown to peas, potatoes and beans. A strip of ground three feet at each side of the tree is kept cultivated, so that all of the trees have had similar treatment. No manure has yet been applied, except in the variety test orchard, which was mulched last winter with manure. The intention is to manure the whole orchard this fall, and next spring to start all culture and fertilizing experiments.

Twenty-one acres are in potato crop this year. The bulk of the area is from seed that was on the farm when purchased, and the name of the variety is doubtful. Those sorts in acre lots that are doing best are "Irish Cobbler," "Money Maker" and "Carman No. 1." The potatoes, from the seed of which we have not the correct name, have made an uneven growth, due partly to the seed not being properly matured last fall when dug, and partly to dry rot to which this variety is very susceptible. Care was taken to plant only good, disease-free seed, but with the greatest care some diseased ones are missed and get planted. It is the intention to discontinue this variety.

A series of interesting experiments are being conducted on plots one-third of an acre each, using the home-grown seed, by planting medium whole potatoes, small whole, medium cut in two through the seed end, large tubers cut to three eyes, and large tubers cut to two eyes. It is the intention in the future to follow this line of experiments, having in view the getting of information as to the best cultural and fertilizing methods, and the most practical way of selecting and planting the tubers.

The bugs have been unusually plentiful this season and the fact that they have had many showers, rendered it necessary to spray five times with Paris green. The season, too, has been exceptionally favorable to the development of blight, and although the vines have been sprayed three times with Bordeaux, still blight is noticeable, although very well under control. The indications are that only a medium crop will be harvested.

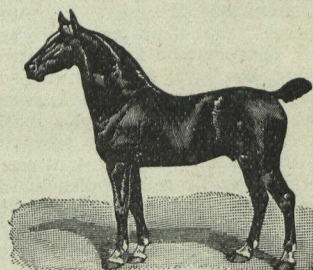
An area of over an acre is given up to squash, melons and pumpkins, which did well until a heavy wind-storm, accompanied with rain, and followed by bright, hot sun, blighted the leaves, giving the patch the appearance of being touched by a light frost.

Over an acre is devoted to turnips, one acre to carrots and one-third of an acre to beets and parsnips. The area in cabbage is about one and one-half acres, of which one acre is in early cabbage, the most of which has been marketed. The "Paris Market" is the earliest of the ox-heart type, followed in a few days with the "Early Spring," the best early variety of the drumhead type. The late sorts are mostly Danish Roundhead. One acre is in onions, which are doing well.

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