

## PRODUCTION

with potatoes. Experiments in cultural methods include comparisons in crop yields when grown on spring or fall ploughed stubble, summer-fallow or hoed crop ground, harrowing after crops are up, packer versus no packer, etc. The school produces registered seed for multiplication on the demonstration farms, and experiments are organized amongst students for carrying out on their respective farms.

## BRITISH COLUMBIA.

**Department of Agriculture.**—Experiments are being carried out by the Live Stock and Horticulture branches. The Live Stock branch is conducting one experimental plot of 13 acres, another of 10 acres, 11 plots of from four to five acres and six one-acre alfalfa plots. Work in drainage and the correcting of the acidity in the soil is being carried out on a plot near Pitt Meadows. Where plots are located in newly-settled districts, the work naturally partakes largely of tests to determine the best crops and varieties for local conditions. On other plots a rotation system suitable for the district represented is being established. As far as possible the work is carried on in co-operation with the local Farmers' Institutes, and where practicable the plots are used as a centre of good seed production. The Horticultural branch is operating nine demonstration and experimental orchards of five acres each. These orchards are planted and cared for under a co-operative arrangement by which the owner of the land and the Department share the expense. The agreements cover a five-year period, but in some cases further agreements are being made. The principal object in most cases is to demonstrate the results which may be secured in various districts by the adoption of the best possible methods. In other cases the orchards are used for experimental tests of varieties and experimental work with cover crops, etc. Three five-acre experimental and demonstration plots are being operated in the Northern Coast section. On these plots a wide range of experimental work in the testing of varieties of grains, grasses, fodder crops, vegetables, small fruits, etc., is being conducted. An Experiment Station for small fruits and vegetables has been operated for three years at Summerland, the owner of the property receiving a direct yearly remuneration. This plot is partly on a commercial basis, and does experimental work with varieties, methods of culture, etc., on the tender kinds of vegetables and on small fruits. At Chilliwack a five-acre plot was planted with small fruits five years ago to demonstrate the possibilities of these crops in this locality. It is operated under a five-year co-operative agreement with the owner. At Hatzic, an experimental test with varieties of strawberries is being conducted on a three-year basis. In orchards at various points, experimental tests of methods of apple-scab control are being conducted over a three-year period. Other experiments with fertilizers, varieties, spraying, etc., are being carried on at numerous points.

**University of British Columbia.**—At the University site, Point Grey, 100 acres of land have been cleared and are now under crop. The experimental results obtained by the Department of Agronomy during the past two years, with all classes of field crops, have proved of great value in determining the best methods of bringing heavily timbered