

Schools of Agriculture enter the College for a three-years course leading to the degree of Bachelor of Science in Agriculture. Over 100 acres of land are available for experimental work in cereals, grasses, clovers, hoed crops, small fruits, vegetables and flowers. Amongst the leading breeds of live stock, now maintained by the Department of Animal Husbandry, are Percheron and Clydesdale horses, Shorthorn, Hereford, Holstein-Friesian and Jersey cattle, Hampshire, Oxford, Suffolk, Shropshire and Leicester sheep and Berkshire, Duroc-Jersey, Poland, China and Tamworth swine. In co-operation with leading breeders of beef cattle in Alberta, the University is fitting a steer herd for the Chicago International Live Stock Show of 1920, thus providing for students a special opportunity for thorough training in beef cattle. Important live stock experiments are being conducted in this department.

Experimental work at each of the three provincial schools of Agriculture at Claresholm, Olds and Vermilion are carried on by the Alberta Department of Agriculture. These schools are attended principally by young men and women who intend to go back to the farm. Details respecting these schools were recorded in the Canada Year Book of 1918, pp. 244-245.

BRITISH COLUMBIA.

Department of Agriculture.—Experiments are being carried out by the Live Stock and Horticultural branches. Experiments on the control of potato diseases under field conditions have been undertaken at Chilliwack, Sardis, Cloverdale and Sullivan for the last two years, their chief purpose being to ascertain whether it is possible, by later sprays only, beginning about the end of July or early in August, to control Late Blight, which is very destructive. In only one case were direct results obtained, viz., in 1918, at Sardis, where the sprayed potatoes remained clean until cut down by frost and gave a minimum increased yield of 50 p.c. in marketable potatoes, all remaining practically sound. The unsprayed parts were completely dead by August 28, and the potatoes on the unsprayed area averaged at least 12 p.c. of badly infected tubers. Other experiments have been undertaken on the control of apple tree anthracnose, or Black Spot Canker, on apple scab, aphid, cover cropping, lime tests and control of the Codling moth.

University of British Columbia.—Considerable progress has been made with the clearing and preparation of land for experimental and general farm purposes. The investigational results obtained by the Departments of Agronomy and Horticulture are becoming increasingly valuable, especially for farmers and gardeners cultivating upland coast soils. In the Department of Animal Husbandry, excellent foundation stock has been purchased, consisting of Jerseys, Ayrshires and Shorthorns. The University has also acquired good Clydesdale mares and Yorkshire and Berkshire pigs. Departments of dairying and poultry have been organized. In addition to the teaching and investigational work at the University, the members of the Faculty of Agriculture, in co-operation with the Dominion and Provincial Governments, have organized and conducted considerable extension work throughout the province.