

PRODUCTION

SASKATCHEWAN.

College of Agriculture, Saskatoon.—The College has a farm of 880 acres which is devoted to diversified agriculture. Wheat, oats, barley, peas, flax, corn, roots, western rye grass and alfalfa are produced both as money crops and for the purpose of feeding to stock. Horses, cattle, sheep, swine and poultry are maintained in numbers both for class work and for experimentation. Investigations are being made to ascertain the carrying powers of prairie lands under different crops for the production of meat and milk; in grading up farm flocks from the common range ewes; cheap housing for sheep, swine and poultry; silage production from crops other than corn, such as oats, and peas, sweet clover, alfalfa; feeding of steers in the open. Another quarter section has been set aside for investigations in tillage, crop production, crop improvement, variety tests and rotations. Tillage has to do with the preparation of (1) prairie; (2) stubble; (3) summer-fallow. Crop management and variety work includes the trial of every known field crop grown in the West under different conditions and times of planting, tilling and harvesting. Rotations that include 120 annual and perennial crops in every possible combination are under trial. The effects of different artificial fertilizers both singly, in combination with each other and with farmyard manure—green and rotted—are being tried on the maturity, yield and quality of various crops over a series of years. Garden and fruit crops are being introduced for the purpose of testing varieties and methods of management under prairie conditions. The same is being done with trees, shrubs and flowers.

ALBERTA.

College of Agriculture, Edmonton South.—A College of Agriculture has been established at the new University of Alberta, Edmonton South. Students completing two years at the Provincial Schools of Agriculture enter the College for a three-years course leading to the degree of Bachelor of the Science of Agriculture. (B.S.A.). At present over 100 acres of land are available for experimental work in cereals, grasses, clovers, hoed crops, small fruits, vegetables and flowers. Work is being started with soils, and an excellent foundation stock has been secured in pure-bred cattle, sheep and hogs.

Experimental Plots and Agricultural Schools.—Experimental work at each of the three provincial Schools of Agriculture at Claresholm, Olds and Vermilion has been carried on by the Department of Agriculture since October, 1914. The schools are attended principally by young men and women who intend to go back to the farm. The following is a description of the work carried on at each School.

Claresholm.—Adjacent to the Agricultural School buildings, on the Demonstration Farm at Claresholm, are twenty acres devoted to experimental work with grains, grasses, fodder crops, field roots, vegetables, small roots, flowers, trees and shrubs. In the grain section, variety tests are made with wheat, oats, barley, peas, flax and rye. Experiments are conducted for the purpose of comparing yield and quality of grain on summer-fallow, corn land, root land, stubbling in, spring and fall ploughing, packing and not packing, harrowing after seeding