

for the dry sections; growth of alfalfa and sweet clover for hay and seed; nurse crops with clover and timothy. Extensive experiments in the feeding of cattle, sheep and swine have been under way for five years. They include both winter feeding and summer pasture work. Other researches have been made on the utilization of the best native grasses of Alberta; hay and pasture production; effects of frost on grain; production of alfalfa seed; factors of hardiness in winter wheat; sunflowers; potatoes; seed production; various experiments with cattle, sheep and swine. A start has been made in a definite soil survey of the province, beginning with the soil-blown area of the south.

British Columbia.

Department of Agriculture—Horticultural Branch.—In addition to the usual instruction and inspection work, demonstration work of various kinds is being undertaken. This includes the trying out of various new insecticide and fungicide sprays and trial plots to test the value of commercial fertilizers in orchard areas, as well as with various vegetable crops.

Field Crop Branch.—The seed potato inspection and certification work, started in 1921 by the Soil and Crop Branch, was continued and extended during 1924, in co-operation with the Division of Botany, Central Experimental Farm, Ottawa.

University of British Columbia.—Further progress has been made with the clearing and preparation of land for experimental and general farm purposes. About 150 acres are now under crop. In the departments of agronomy and horticulture, plant improvement and breeding work have rapidly advanced. In the department of animal husbandry excellent foundation stock has been purchased, consisting of Jerseys, Ayrshires, Shorthorns, and Hereford cattle; Yorkshire and Berkshire pigs; Southdown, Shropshire and Oxford Down sheep. The foundation stock in Clydesdales was obtained from Colony Farm, and has now increased to 18. In the department of dairying, good progress has been made in research, particularly with special kinds of cheese. In the department of poultry husbandry, pedigreed stock is maintained for improvement work in Barred Rocks, Rhode Island Reds, White Leghorns and White Wyandottes. In addition to the teaching and investigational work at the University, provision is made in the budget for the carrying out of considerable investigational work throughout the province.

3.—Statistics of Agriculture.

Census Statistics.—In each of the six decennial censuses of Canada taken since Confederation, statistics of the agricultural activities carried on throughout the country have been secured. The scope of these statistics has been extended from time to time and those of the census of 1921 omit few important phases of agriculture with which a census could deal successfully. In all the later censuses the statistics of number, acreage and condition of farms, the value of farm property, the acreage sown, the yield of crops, the value of that yield, the number of fruit trees and the production and value of fruit, the number and value of live stock, etc., have been collected on a basis which allows comparison between the different censuses. Among the extensions in the scope of the census of 1921 may be mentioned such matters as the details of birthplace, age, length of residence in Canada and experience of farm operators, the chief items of farm expenditure, an attempt for the first time to obtain the quantities of vegetables grown for sale, a classification