

1,300 acres, 210 acres are set aside for experimental work in field husbandry and horticulture. Two hundred and seventy acres of prairie were purchased in 1918, 100 acres of which have been broken for the field husbandry department. The remaining 800 acres are operated as a general farm with great diversification of crops. The buildings, paddocks, etc., are located on an adjoining half section of land designated as the campus or building plot. The college offers a 4-year course leading to a degree of Bachelor of Science in Agriculture (B.S.A.) and a 3-year associate course for farmers' sons intending to make farming their life work. Short courses in general agriculture, tillage, crops, live stock, poultry, dairying and engineering are held during the winter months, both at the college and at various points throughout the province.

Practical experiments in the departments of field and animal husbandry, poultry, dairy, soils and horticulture are undertaken, as well as a variety of scientific investigations in the departments of chemistry, physics, biology, engineering, etc. Special equipment and staff are provided for investigations in animal and plant diseases and entomology. Considerable progress has been made in an intensive soil survey of the province and in breeding a rust-resistant wheat.

### Alberta.

**College of Agriculture, Edmonton South.**—This college is a faculty in the University of Alberta, Edmonton South. A definite 4-year course with matriculation entrance, leading to the B.S.A. degree, is offered. Students from the provincial schools of agriculture enter the second year of the course after satisfying special entrance requirements. At the college numerous agricultural experiments are being conducted, including the following:—determination as to whether the present varieties of wheat, oats, barley and peas are suitable for the Park Belt sections of Alberta; breeding and selection of promising varieties of wheat for earlier maturity combined with high milling qualities; milling and baking tests; testing of alfalfa, red clover, sweet clover and alsike for winter hardiness, and of sweet clover in the Open Plains sections to determine its drought hardiness; varieties of corn and sunflowers for fodder; relative suitability of corn and sunflowers for the Park Belt; selection of a suitable grain corn 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 10 years, including both winter feeding and summer pasture work. Other researches have been made on the utilization of the 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 soil survey of the province has been under way for five years, and reports have been published on the Macleod, Medicine Hat and Sounding Creek areas. For the past two years the survey has been concerned with the wooded areas of northwestern Alberta.

Research work has been undertaken in connection with insect pests, and in the department of dairying. As regards the publication of results, regular service by radio broadcasting is now in its third year, and has proved very successful. The University now owns a broadcasting outfit.