

Practical experiments are undertaken in the departments of field and animal husbandry, as well as a variety of scientific investigations in the departments of chemistry, physics, biology, engineering, etc.

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 either of the six provincial Schools of Agriculture (situated at Claresholm, Olds, Vermilion, Gleichen, Raymond and Youngstown), enter the College for a three-years' course leading to the degree of Bachelor of Science in Agriculture. At these schools experiments are in progress to ascertain the varieties of cereals, grasses, clovers, alfalfa, forage, vegetables, roots, tubers, fruits, flowers and trees that will grow most successfully in the district. Tests with dates, rates and depths of seeding grain are under way. Such cultural methods as the following are under trial: Summer-fallow versus intertilled crops, wheat seeded in ground not ploughed; oat stubble disced seeded; oat stubble fall ploughed seeded to wheat; spring plough oat stubble and fall plough oat stubble seeded to oats; stubble burned seeded to wheat and pastured to oats; fall plough, pack, in fall, harrow and seed in spring; fall plough in fall, harrow and seed in spring; fall plough, harrow in fall, pack, harrow and seed next spring; spring plough, pack and seed; spring plough, harrow and seed; spring plough, harrow, pack and seed. In summer-fallow treatment the following are under test: Plough shallow in June, cultivate as required; plough deep in June, cultivate; plough August 1, cultivate; plough deep in June and merely clip the weeds, no cultivation; plough deep in June and leave the weeds to grow; plough deep in June, harrow, leave untilled; plough deep in June, harrow, leave untouched until September, then disc and harrow. In rotations the following are under test: Wheat, oats and barley seeded to (timothy), (red clover and alsike), oat green feed for hay, pasture and summerfallow; hay, pasture, oats, barley (seeded to timothy, red clover and alsike); wheat, oat green feed, barley (seeded to timothy and western rye), hay, and pasture; wheat, oat green feed, barley (sweet clover and alsike); wheat, oats, barley, (timothy and western rye), pasture, green feed (oats); hay, hay, pasture, oats, oats, barley (seeded to timothy and western rye), hay, pasture, green feed (oats); oats, wheat, summerfallow; oats, barley, summerfallow; oats, wheat, barley, summerfallow; oats, summerfallow; oats, barley, sweet clover and alsike; wheat, wheat, summerfallow; continuous summerfallow; wheat continuously manured in four years at 10 tons per acre; wheat continuously; oats continuously; barley continuously; alfalfa continuously; brome continuously.

BRITISH COLUMBIA.

Department of Agriculture.—The experiments conducted by the Department of Agriculture include investigations in the three branches of Horticulture, Plant Pathology and Soils and Crops.