

Experiments to determine the fertilizing value of a crude salt mined at Malagash have given good results for mangolds, but results with other crops have not been impressive.

Three classes of silage crops are being tried under identical conditions, viz.: corn, sunflowers and O.P.V. (the college name for a mixture of oats, peas and vetches). The value of the O.P.V. mixture is now thoroughly proved under Nova Scotia conditions. Sunflowers have given good results for four years, but corn has proved very variable. A trench silo filled in 1922 gave very satisfactory results. Field and garden experiments have shown good results from the use of home grown oats, wheat, turnips and tomatoes, as compared with seed of these crops grown elsewhere. Experiments already carried on for two years are being continued in the control of scab in potatoes by the application of ground sulphur and inoculated sulphur. Experiments have been conducted in the control of the cabbage root maggot, and with insects affecting orchard fruits, carrots and other vegetables. The cabbage root maggot is now perfectly controlled, but further work remains to be done with other root and vegetable pests. Extensive experiments in the control of insect pests on fruit trees are being carried out, mainly at points in the Annapolis valley, where conditions are more favourable for such investigations than at the college. Model orchards at some 35 localities outside of the recognized fruit belt are operated to determine varieties and methods suitable for these localities. Details of the college experimental work, including results obtained, are published in the Annual Report of the Secretary for Agriculture for the Province.

The College enrolls about 50 to 100 students annually in its regular course and from 200 to 300 annually in various short courses. Numerous extension short courses are annually conducted at various centres in the province.

A college prospectus, issued annually, contains complete accounts of the nature of the studies in these courses.

### Quebec.

**Macdonald College, Ste. Anne de Bellevue.**—The College is situated about 20 miles west of Montreal and is incorporated with McGill University. The College property comprises 786 acres, divided as follows: main farm, 584 acres; cereal husbandry plots, 75 acres; poultry department, 17 acres; orchard, 35 acres; vegetable gardens, 25 acres; the campus, including driveways, lawns, trees, shrubs, flower beds, school garden and recreation fields for students of both sexes, 50 acres. The agricultural engineering, animal husbandry, bacteriology, botany, cereal husbandry, chemistry, horticulture, physics, poultry, zoology, and entomology departments are all well equipped for the numerous researches and experiments under way. In the *School of Agriculture*, the courses offered include 4-year courses, leading to the B.S.A. and B.Sc. in Agr. degrees, a 4½ months winter practical course for farmers and farmers' sons, and various short courses. Postgraduate work can be taken in cereal husbandry, entomology, plant pathology, bacteriology, etc.—the higher degrees offered being M.S.A., M.Sc. and Ph.D. In the *School of Household Science*, the courses include a 4-year course, leading to the degree of Bachelor of Household Science, a 2-year institution administration course, a 1-year homemaker course, three short courses each of about 3 months duration in household science, etc. In the *School for Teachers*, courses under the Protestant Committee of the Council of Public Instruction of the Province of Quebec are offered leading to model, kindergarten and elementary diplomas. The teaching and experimental staff of the College consists of about 60 members. The total enrolment for 1921-22 was 762. More complete information respecting the work of the College will be