



NOTES FROM THE AGRICULTURAL COLLEGE, GUELPH.

Varieties of Fall Wheat.—In Mr. Zavitz's tests this year, Dawson's Golden Chaff and the Early Genesee Giant again head the list of varieties of fall wheat. Mr. Rennie, the farm superintendent, had six acres of each of these varieties on the college farm this year. The sample of both was good and the yield was thirty-five bushels per acre.

Barley.—The six-rowed varieties have done best at the college, the Mandscheuri heading the list. The best two-rowed variety is the Kimrakulla. The barley crop on the college farm this year was magnificent.

Travelling Dairy.—The travelling dairy from the college has been at work since May 8th in the counties of Lambton, Huron, and Bruce. It has arranged to spend August, September, and October in Algoma, Parry Sound, and Muskoka. It commenced at the "Soo," and is working eastward.

Studying and Working Abroad.—Mr. F. C. Harrison, the college bacteriologist, is spending the summer on some special bacteriological work in the University of Wisconsin. He is devoting special attention to the bacteriological study of milk, butter, and cheese. Mr. Robert Harcourt, the assistant chemist, is taking a special course in organic chemistry at Harvard University, Cambridge, Mass.

Excursionists at the College.—Between June 6th and July 6th this year not less than 14,000 people visited the college, excursionists from all parts of the province having come to learn what they could from an inspection of the different departments of the institution.

Inquiring into College Work.—Dr. F. Rainville, a teacher in the Grand Ligne Mission School, near St. Johns, Quebec, spent about three weeks in the latter part of July at the college, inspecting the equipment and studying the methods of the institution, with a view to assisting the young men at work on the farm kept in connection with the school at Grand Ligne.

Strawberries.—Mr. H. L. Hutt, the college horticulturist, has had one hundred and twenty varieties of strawberries under test this summer.

Every picking of berries was carefully observed and weighed. Some of the new varieties gave very large yields. He will have one hundred and sixty varieties under test next year. All information will be given in the annual report for 1896.

Insect Pests.—Professor Pantou, the college biologist, gave considerable time during the month of July to the study of the pea blight in Prince Edward county, the fire blight of pear and apple trees in the vicinity of Hamilton, the cankerworm on apple orchards in the county of Wellington, the tussock moth in Toronto, and the army worm in different parts of the province.

Experimental Feeding.—Mr. G. E. Day, the college agriculturist, is conducting an experiment in feeding young pigs of six breeds—Berkshire, Yorkshire, Tamworth, Poland-China, Duroc-Jersey, and Chester White—six of each breed, some on a full grain ration, some on clover pasture and half the amount of grain, and others on clover pasture and one-quarter the amount of grain.

Dairy Experiments.—In the cheese department the experiments which have been conducted for the last three years on the effect of the percentage of fat in milk on the quantity and quality of cheese are being repeated with a larger quantity of milk. So far the results are similar to those of other years.

In the butter department a number of trials have been made with pure cultures for a starter in cream, as compared with a starter made from pasteurized skim-milk. As yet no particular advantage has been observed from the use of the pure cultures.

Ripening Cream.—Mr. T. C. Rogers, the college buttermaker, favors the following methods of treating separator cream: Cool cream to 60° immediately after separation and ripen at this temperature; when the cream is ripe, cool it to 50° or a little lower, let it stand an hour or so, and churn it at this lower temperature. This method gives nice firm butter in the warmest weather.

Institute Work.—President Mills was in Muskoka a short time ago, arranging some matters for the Superintendent of Farmers' Institutes.