

growing these crops, and particularly canning crops, are unable to obtain sufficient manure and are required to purchase commercial fertilizers. Up to the present time, they have been buying mostly ready mixed and cheap fertilizers. We arranged, that these experiments should be made by the most careful farmers, who are expected to report to us and also to the Farmers' Club meetings in the winter. In most cases, they have cared for the plots and kept accurate records. Wherever possible, the experiments were conducted near the road and attracted much attention. The amount of commercial fertilizers used will be greatly increased another year.

Tests were conducted with varieties of corn on twenty-four different farms, in some cases sweet corn, others Flint and others Dent. Tests were made with Common Mandeschuri and O. A. C. No. 21 barley on fourteen different farms. The barley was distributed to students who had taken the Short Course last winter, and there are already many enquiries as to where to obtain seed of these varieties for next season. Two varieties of peas were distributed, some of the seed having been obtained from the Winter Fair and from the prize-winning lots in the Field crop competition.

Quite a number of farmers have been conducting experiments in connection with the Farmers' Clubs, the Club assigning a certain experiment to each of several members. In some sections, they have been testing fertilizers. For instance, at Wellington, one farmer has treated an acre of tomatoes with 100 lbs. of muriate of potash and 300 lbs. of acid phosphate. On an acre directly alongside and treated alike, he added 100 lbs. of sodium nitrate, on the rest of the field no fertilizer was applied. He has kept an accurate record of the work and found that he can profitably use the fertilizer and will do so to a larger extent another year. Other farmers in the same section are experimenting with fertilizers on potatoes, strawberries, tomatoes and celery. One of our experiments this season was with fertilizers for celery on muck soil.

Experimental or demonstration plots were conducted in connection with the Collegiate Institute. In addition, variety tests were made of mangolds, tomatoes, millets and corn, also fertilizer tests with potatoes. We had a breeding block of sweet corn, known as Pearce's Improved Evergreen, a variety which originated in this county and which is sought after by the canning factories. We obtained some seed from Mr. Pearce and made some selections from the block grown this year. The main point considered in selecting was to obtain ears with deeper kernels, thus giving a larger proportion of corn. We expect to carry this work further another year and to get the managers of the different factories interested.