

*Chemistry.*—The work of the Division of Chemistry comprises the analysis of fodders and feeding stuffs, fertilizers, soils, well waters, insecticides, fungicides, etc. It also assists other divisions in chemical problems and does a large amount of investigational and analytical work for other Branches and Departments. Field tests with various kinds and quantities of fertilizers are carried on by this division at a number of the branch farms and stations.

*Extension and Publicity.*—This division acts as a connecting link between the experimental farms and the farmer, by making the work of the farms as widely known as possible. Two chief means used are exhibits at as many fairs as possible each year and extension of the departmental mailing lists. The departmental mailing lists are maintained by the Publications Branch of the Department.

*Economic Fibre Plants.*—The division studies the areas in Canada suitable for fibre production, the best varieties and strains of seed of fibre plants (flax and hemp), cultural methods, harvesting, retting and scutching processes, etc. Chiefly for demonstrational purposes, the division is conducting extensive co-operative trials at Forest, Ont., Ste. Anne de la Pocatière, Que., Kentville and Lunenburg, N.S.

*Field Husbandry.*—This division applies, under field conditions, the results obtained by other divisions directly engaged in scientific research. Some of the main lines of work under way are tests of fertilizers, moisture requirements of various crops, methods of drainage, rotations and cultural methods. Data of cost of production of field crops are gathered in connection with this work. Range land investigations are also under way.

*Forage Plants.*—The division has for its work the originating and variety testing of grasses, leguminous forage plants, field roots and Indian corn; plant breeding with these; the collection of genera and species likely to be of value as forage plants; the study of the possibilities and methods of growing root seed, including sugar beets, in Canada, and the distribution for trial of seed of varieties newly obtained and not available commercially. To meet the need for more concentrated effort in forage crops breeding and research a special Dominion Forage Crops Laboratory has been established at the University of Saskatchewan by mutual agreement with the university authorities. This new Laboratory will be under the direction of the Dominion Agrostologist and special attention will be given to intensive work in the breeding of drought resistant and hardy forage crops suitable for the different climatic conditions of Western Canada.

*Horticulture.*—The work of the Division of Horticulture falls under four main heads: vegetable gardening, orcharding and small fruits, ornamental gardening and plant breeding. In the three first named, the testing of varieties is a main feature, with a view to ascertaining the hardiest, earliest, best-yielding and most disease-resistant sorts. In plant breeding, the aim is the improvement of existing sorts by cross-breeding. Greenhouse work is also given special attention at Ottawa. Canning experiments and demonstrations are carried on. Much co-operative work with farmers in orchard experiments, blueberry culture, etc., is under way.

*Illustration Stations.*—This division forms another connecting link between the experimental farms and the farmer. The stations are now 215 in number. Each is located on the farm of a representative farmer, who does the work according to directions framed to illustrate the best rotations, the best varieties of crops and the best cultural methods, as determined by the work of years on the experimental farms.

*Poultry.*—The scope of the work of the Poultry Division has been greatly extended during the last few years. It now covers the following main lines of