

cultural methods, as determined by the work of years on the Experimental Farms.

*Poultry.*—The scope of work of the Poultry Division has been greatly extended during the last few years. It now covers the following main lines of investigation: artificial and natural incubation, poultry breeding, systems of breeding and rearing, production of heavy-laying strains, feeding for eggs and table and housing of poultry. Poultry survey work, i.e., the endeavour to get groups of farmers in various localities to keep accurate records of their poultry costs and returns, is already showing results in the better housing, breeding and care of the farm flock. Egg-laying contests and record of performance work are carried on.

*Tobacco.*—The Tobacco Division deals with the breeding, variety tests and cultural methods, the warehousing and marketing of tobacco. A complete analysis of the soils of the tobacco-producing regions of Canada is being made. During the growing season, inspectors examine the tobacco fields of as many growers as possible, with a view to suggesting the best cultural methods and means of combating diseases and insect pests.

In addition to the work done by the Division of Extension and Publicity and Illustration Stations, the results of the work of the Experimental Farms are made available to the farmer (1) by correspondence; (2) by publications; (3) by "Seasonable Hints," now in its sixth year, a 16-page pamphlet brought out every four months, with a circulation of above 300,000; and (4) by articles in the press. The Farm officers devote considerable time each year to lecturing, demonstrating, judging at fairs and assisting at Short Courses in Agriculture. Excursions to the various Farms are also a valuable means of bringing the work to the attention of the farmer.

#### **Provincial Experimental Farms and Stations.**

##### NOVA SCOTIA.

**College of Agriculture, Truro.**—About 430 acres are devoted to general farming, gardening and investigations. Conducted primarily as a college and distributing station for pure-bred live stock and seeds, investigational work does not occupy so prominent a position as it does at a purely experimental station. Nevertheless, practical experiments are being carried on amongst which the following are the most important. Nine years' experiments with ground limestone have given variable results, but the clover catch has been markedly improved on the poorer lands. Club root in turnips, cabbage, etc., has been almost perfectly controlled. Upon a run-out farm purchased in 1917, experiments are being conducted with basic slag, acid phosphate, bone meal, ground limestone and with the addition to all these of nitrate of soda. On the same land an experiment has been established to ascertain the returns of potatoes from applications of potash. On all these lands no barnyard manure is