

pamphlet brought out every four months, is filled with brief, timely articles and notes on farm topics, and each issue is distributed to the entire mailing list of some 300,000 names. It is issued in two editions, one for Eastern Canada and British Columbia, the other for the Prairie Provinces. (4) "Press Articles." An average of two short, pithy and timely articles is sent out to the Canadian press each week. 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.

*War Work.*—During the past four years a large amount of special work, arising out of war conditions, has been carried on. Among other features may be mentioned the growing of root and vegetable seeds in Canada to meet the shortage of imported seed; special investigations as to the areas in Canada suitable for the production of fibre flax and efforts to stimulate increased production of this crop, so essential for war purposes; experiments to determine the value of seaweed as a potassic fertilizer; the analysis of materials purchased by the British War Office, the Imperial Munitions Board and the Naval Service; assistance given in promoting vacant lot gardening; canning demonstrations; the distribution of some 20 special circulars on features of war-time farming and supplying speakers for production campaigns, etc.

#### **Provincial Agricultural Experiments.**

##### **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. Experiments were commenced six years ago in the use of ground limestone, this being applied to plots of several acres each side by side with corresponding plots receiving no limestone. Complete results cannot be announced until the lapse of two rotations of four years; but meanwhile positive results indicate marked improvement in clover and in the control of club root in turnips, cabbage, etc. Evidence is accumulating that the application of lime is injurious to the best growth of apple trees. Upon a run-out farm, purchased in 1917, experiments have been instituted with a view to ascertain and demonstrate the relative value of basic slag with high and low percentages of soluble phosphoric acid, with acid phosphate, bone meal, ground limestone and with the addition to all of these of nitrate of soda. On the same land, an experiment has been commenced to determine the returns of potatoes from applications of various quantities of potash. A permanent pasture experiment, commenced five years ago, is designed to determine the value of top dressing with commercial fertilizer. In chemical, ento-