

use of fertilizers; for this reason, it is best when possible, to fertilize the root crop in order to convince these "Doubting Thomases." However, I will quote some of the results obtained from a direct application of fertilizer to the grain crops.

Mr. R. McKnight, Thornhill, Ont., obtained the following yields from barley: Plot 1, 32 bush; Plot 2, 48 bush; and Plot 3, 30 bush, an acre.

Mr. A. G. Burrett, Stanbridge East, Que., obtained 35 bush. of oats from Plot 1, and 55 bush. from Plot 2, and 50 bush. from Plot 3. Mr. N. Marshall, L'Assomption, Que., obtained 32 bush. of oats from Plot 1, 61 bush. from Plot 2, and 44 bush. from Plot 3. Mr. A. G. Bennett of Rexboro, Alta., obtained the following yields of oats: Plot 1, 30 bush; Plot 2, 60 bush; and Plot 3, 45 bush.

Mr. J. Oswald of Vankleek Hill, Ont., made the following comments in his report on an experiment on hay. The plots showed a marked difference, which can be seen a distance off, especially No. 2, to which the complete fertilizer was applied. This plot is thickest and six inches longer than the unfertilized plot. I have been telling my neighbors the plots were worth coming to see. Plot 2 showed an increase of nearly a ton to the acre more than Plot No. 1.

#### Legislation under Consideration

Two bills are now up for the consideration of the Dominion House that are of particular interest to Canadian farmers—the Dairs Industry Bill and the Cold Storage Bill.

The most striking difference between the new dairy industry bill and the one that it is replacing is that factories will not be required to register in future. This provision is omitted in the new bill because it has proved itself useless. Less than half the factories in Canada have ever been registered, and only a few of those registered have used their numbers. Matters of marking also have been omitted from the new bill, which will be dealt with by regulation. Stringent provisions are made for the protection of the dairy industry through the prevention of the sale of butter substitutes such as oleomargarine.

The cold storage bill gives to the Governor in Council power to make such regulations as he deems necessary and expedient to provide for the supervision of all cold storage warehouses. Such regulations may govern the length of time during which respective articles of food may be held in cold storage and for the labelling of good products when placed in the cold storage warehouses. Little opposition is anticipated to these bills. Some objections may be made on the ground that too much is left for regulation as need arises.

The Ontario Agricultural and Experimental Union will this year conduct 30 different experiments with some grains, fodder crops, roots, grasses, clovers and alfalfa. The Union is prepared to distribute material of high quality for experimental purposes in every township of Ontario. Any person in Ontario may choose any one of the experiments for 1914 and apply for the same. All material will be furnished entirely free of charge to each applicant. Full information may be obtained on application to Prof. C. A. Zavitz, O.A.C., Guelph.

We believe in the farmers' club because we believe that the next great development in agriculture will be along the line of cooperation for greater efficiency in production and in marketing.

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