

To the Honourable

The Minister of Agriculture.

SIR,—I beg to submit herewith, for your approval, Bulletin No. 66 of the Experimental Farm series, which has been prepared by the Cerealist, Dr. C. E. Saunders, with the co-operation of the Superintendents of the branch experimental farms. There are presented in this publication the results of a large number of experiments, which have been conducted at the experimental farms in your Department during the season of 1910, with important varieties of wheat, oats, barley, peas, Indian corn, turnips, mangels, carrots, sugar beets and potatoes. The average results are also given of the tests of these varieties for the past five years.

These trial plots are conducted with the object of gaining information as to the relative productiveness of the different sorts and their earliness in ripening.

The results obtained, as given in this bulletin, show that there are marked differences in earliness and in the relative productiveness of varieties even when grown side by side under similar conditions. The results of the average crops obtained for five years indicate also that the tendency to productiveness is in most instances persistent, manifesting itself under varying conditions of soil and climate to a remarkable degree. The establishment of such facts points to the importance of farmers choosing for seed those varieties which give the heaviest crops.

It is hoped that these results, giving the experience gained under some of the more important climatic variations found in the country, will prove useful to farmers in every part Canada.

I have the honour to be, sir,

Your obedient servant,

WM. SAUNDERS.

*Director, Dominion Experimental Farms.*

OTTAWA, November 23, 1910.