

To the Honourable,

The Minister of Agriculture.

SIR,—I beg to submit for your approval the twelfth Bulletin from the Central Experimental Farm, relating to a crop of very great and growing importance to this country, namely, that of Indian Corn or Maize. The use of this plant for fodder, either dried or made into ensilage, is having the effect of materially lessening the cost of feeding stock through the winter, and from experience already gained it promises to be a most useful factor in stimulating winter dairying. The first part, which has been prepared by myself, treats of the methods of cultivation, the growth and productiveness of the many varieties which have been tested at the Experimental Farm during the past two years, and the cost of preparing ensilage. The second part, prepared under my direction by Mr. Frank T. Shutt, Chemist of the Dominion Experimental Farms, relates to the chemical composition of corn at different stages of its growth, a work which has been undertaken mainly for the purpose of showing at what period this crop can be most profitably cut. Analyses are also given of the ensilage prepared at the Farm.

I have the honour to be,

Your obedient servant,

WM. SAUNDERS,

*Director Experimental Farms.*

Ottawa, 16th June, 1891.