

To the Honourable,

The Minister of Agriculture,  
Ottawa.

SIR,—I beg to submit herewith, for your approval, Bulletin No. 67 of the Experimental Farm Series on 'Mangels, Sugar Mangels and Forage Sugar Beets,' prepared by Mr. J. H. Grisdale, Dominion Agriculturist. This Bulletin also contains some notes on the chemical composition of these roots, prepared by Mr. Frank T. Shutt, Dominion Chemist.

In the main part of the bulletin, written by Mr. Grisdale, the question of soils suitable for this crop and their treatment as to cultivation, &c., are referred to, the best fertilizers for mangels are discussed and the best varieties to grow and most favourable time for sowing are also given, with subsequent treatment of the crop. Particulars regarding the harvesting and housing of the roots are given, also the cost of growing per acre. The value of the different sorts of mangels for feeding is also emphasized.

In the chemical notes, prepared by Mr. Shutt, the relative digestibility and nutritive value of these roots are dwelt on. Tables are given, showing the proportions of dry matter and sugar-content of mangels and forage sugar beets grown at the Experimental Farms for some years past.

It is hoped that the publication of the important facts contained in this bulletin, showing the many advantages connected with the general use of mangels as a food for stock, will lead to an increase in the area of land devoted to this crop in the different provinces of the Dominion.

I have the honour to be, Sir,

Your obedient servant,

WM. SAUNDERS,

*Director, Experimental Farms.*

OTTAWA, January 3, 1911.