

9 December 1933.

S. A.O. Franco,  
Servico de Algodao,  
Ministerio de Agricultura,  
BRAZIL.

My dear Dr. Franco:

I should have answered your letter before, but I thought it as well to have the calculations on the original data fully checked; as you will see there are a number of small discrepancies.

The regression on plant number is really negative in experiment A with 3 plants to a bed but positive in experiment B. In neither case is it significant, but this is no objection to using it, as doing so makes the results comparable with other cases in which the regression on plant number may be important.

There are two curious points in the data. One is that experiment B is so much less accurate than A, so that the error from B and from the two combined is very large per plot. The second is that the differences in the series of sowing dates, which is quite significant in A, shows no

regular sequence. This effect is also the reverse of that found in B, so that in the combined experiments time of thinning contributes nothing, the whole of the apparent effects of the two experiments going into the "interaction" or discrepancy between them; but, with the large standard error this is probably to be ascribed to chance.

I enclose detailed sheets, which have been worked for me by an Australian worker, Mr. Christian.

The address you ask for is Dr. H.J. Maskell, School of Botany, Cambridge, England.

Yours sincerely,