W.G.C.
Have you noted
this in your O.T. index?

✓ W.G.C.

106

SUGARCANE RESEARCH STATION,
DEPARTMENT OF AGRICULTURE,
REDUIT,
MAURITIUS.

Gen.145/35.

21st May, 1935.

F.Yates, Esquire., B.A.,
Statistical Department,
Rothamsted Experimental Station,
Harpenden, Herts,
ENGLAND.

Dear Mr.Yates,

With reference to your letter of 10th April last, the distance between the rows and between holes was 60" and 30" respectively.

I have had the actual yields copied out as you suggested and enclose same herewith.

Yours sincerely,

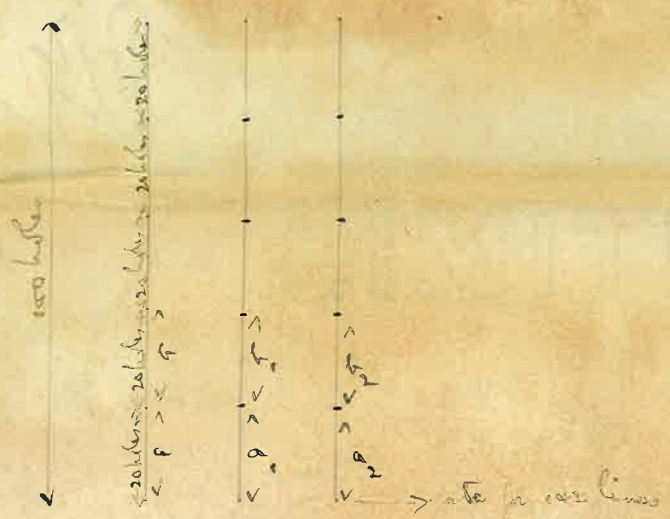
[signature]

COPY.

SUBJECT:- Uniformity Trial with sugarcane reaped by Physiological Botanist.

Purpose of work.-

The purpose of the work was to reap a large uniformity trial with the object of determining the S.E. of various sizes and shapes of plot and to compare the efficiency of different methods of lay out. A field of ratoon canes of nearly 6 acres was reaped, in 20 hole plots, for the purpose, thus:-



There were 142 lines of cane, each plot of 20 holes in each line being weighed separately. Along a front of 142 lines, 5 series of such plots were weighed, thus making a total of 142 lines of 100 holes each. It is thus possible to get plots of any required width in lines, and of length 20 holes, 40 holes, 60 holes, 80 holes and 100 holes. The series of figures given are the plot yields and the square of the plot yields respectively. The first row of figures (142 of them) are the weights of the first series of 20 holes, plots a, a_1, a_2, etc., The next row of figures are the yields of the next series of 20 hole plots b, b_1, b_2, etc, and so on for

the next rows. There is nothing to be left out for border effect as 5 stools of cane at the end of each line were discarded before the 20 hole plots were weighed, and further there were several more lines of cane on each side of the rows actually weighed.

H.EVANS,
Physiological Botanist.