

## REPLANTING

### CHOICE OF CLONES FOR REPLANTED AREAS

The following circular, which has been issued from the Botanical and Soils Divisions is reprinted for general information :—

A large number of enquiries have been received at the Institute recently on the subject of the choice of clones for use in replanted areas. Very frequently the enquiry is accompanied by a list of clones available on the estate, but no information is given in regard to the type of land and other general conditions under which replanting is being undertaken.

We have collected a considerable amount of valuable information during recent years on the growth, development and, in some cases, on the yield, of different clones on different soil types, so that it is now possible to select clones that are likely to prove most satisfactory for particular situations.

It is therefore requested that enquiries on the subject of choice of clones should be accompanied by the following information.

1. General brief description of the area; lie of land etc. Notes on the quality of the rubber trees cut out; age, growth, condition of foliage and bark, previous yields. Notes on history of previous cultivation.
2. Soil profile pits should be dug in representative parts of the area. Pits should be 6 feet deep  $\times$  3 feet square and one side of the pit should be kept free of excavated soil.
3. Descriptions of the soil profiles should be given on the following lines :
  - (a) Position of pit, *i.e.* top, side or bottom of hill.
  - (b) Colour of soil with changes at different levels and the depths at which changes occur.
  - (c) Depth of organic colouring ("Humus") of surface soil.
  - (d) Notes on texture and compactness of soil at different levels.
  - (e) Presence of stones, laterite (shape and size of lateritic masses is of interest), quartz fragments or other types of stones.
  - (f) Depth of water-table if visible.

4. Average rainfall for the district should be given. The occurrence of heavy storms likely to result in damage to trees should also be noted particularly if the area is in an exposed situation.
5. If young budded areas have been established on other parts of the estate on soil of similar type to that in the replanted area, notes on the appearance and vigour of different clones will be of great interest and value.

C. E. T. MANN

*Senior Botanist*

C. G. AKHURST

*Senior Soils Chemist*

Kuala Lumpur,  
29th July, 1937.

