

## 39 **COMPARATIVE CLONAL STUDIES IN CAMBODIAN RRI FIRST RESULTS FROM 4 RUBBER LARGE SCALE CLONAL TRIALS IN CAMBODIA**

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### **ABSTRACT**

The first proposal of breeding research in Cambodian Rubber Research Institute (CRRI) is to test clones selected in foreign countries and to find out the best suitable plant material. Breeding program restarted recently in Cambodia. Large scales clonal trials have been set up in CRRI. The study compares 29 clones on the growth and on the yield. The first results from these 4 Large Scale Clonal Trials confirm some other results issued in other countries, such as the good vigour of PB235, PB280, PB330, IRCA111, and IRCA230 in the immature period. By contrast, PB260, PB314 and IRCA109 appear not more vigorous than GT1. The highest yielding clones in this early phase of tapping are IRCA109, IRCA111, IRCA130, IRCA209, IRCA230, K1, PB235, PB314, PB330, RRIC101, and RRIM712. These preliminary results are still insufficient for evaluating these clones in those trials. It must be underlined that the growth of PB217 appears reasonably good for allowing the development of this clone in Cambodia. In this early phase, that PB217 has not showed its high yield potential yet. PB330 or IRCA230 could be considered as the most interesting among the clones studied here for development in smallholdings.

*Keywords:* *Hevea brasiliensis*, Cambodia, rubber clones, clonal recommendations, Large Scale Clonal Trials (LSCT), growth, yield.