

ENHANCING SURVIVABILITY OF BARE ROOT BUDDED STUMPS WITH
PARAFFIN COATING AND ROOT INDUCTION¹

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Following the satisfactory results obtained from coating of rubber stumps with paraffin wax, it was established that differentiation of the scion preceded those of the lateral roots and pseudo-tap root. This could probably pre-dispose the budded stump to death under a continuous draught condition after the bud has been initiated. Thus, once developed, the scion began surface transpiration, breaking the protective layer of paraffin wax. In order to ensure more survival of the budded stumps in the field, studies were developed to test the association of paraffin wax on the aerial parts of the stumps, with root induction through the use of rooting agents (AIB 2000 ppm and NAFUSA KU - 20% of sodium acetate alfa naphtalene, 2000 ppm). This associated treatment yielded technical and economical results more positive than with the use of conventional stumps with bare roots. Growth of the scion, therefore, was accompanied by a similar growth in the roots. This assumes the most significance in the planting of stumps without roots, the objective of being to reduce or eliminate the mortality rate in the field.

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