

Effect of Rooting Media, Hormone and Half-node Cutting Types on Vegetative Propagation of *Coffea canephora* Pierre ex. Froehner

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SUMMARY

An experiment was initiated at the premises of Cocoa Research Institute of Nigeria (CRIN), Ibadan to evaluate the effect of rooting medium, hormonal treatment and use of half node on the Vegetative propagation of *Coffea canephora* Pierre ex. Froehner. There were three factors of media, hormone and cutting type of three, two and two levels respectively. Media evaluated were sawdust, topsoil and sawdust/topsoil. Two types of cuttings, full node and half node treated or not treated with indole butyric acid (IBA) were also investigated, giving twelve treatment combinations, replicated three times. Result obtained from all the parameters evaluated viz number of cutting sprouted, number callused, number rooted and percentage survival revealed no significant difference in all the treatments except on the root length, where IBA treatment had significant influence at ($p = 0.05$). The least value of percentage sprout of 40 was recorded in with and without hormone full node cuttings treatment in topsoil medium. The results obtained from this study have therefore shown that any of the media may be used in vegetatively propagating coffee with or without hormone and that the use of half node cutting which can give more planting materials is also possible and practicable as against hitherto used multiple or full node cuttings.