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Effect of Commercial Hormones on Rooting Cuttings of *Acacia* Hybrid Clones

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An experiment was conducted on rooting cuttings of Acacia hybrid clones to produce planting stocks. Assessment on cuttings was made weekly for eight weeks. Eight weeks after planting, the results showed that all the cuttings from the five clones tested gave rooting of more than 80 per cent. Indole butyric acid (IBA) of 0.8 per cent was observed to accelerate rooting, i.e. 65 per cent of cuttings were rooted 2 weeks after planting compared to 44 per cent with 0.3 per cent IBA and 31 per cent with control. The number of roots from clone 89/1 was significantly higher than those of clones 25/2 and 170/2. As for the hormone treatment, only cuttings treated with 0.8 per cent IBA produced significantly higher number of roots (3.9) than 0.3 per cent IBA (2.8) and control (2.6). No correlation was found between rooting of cuttings and their diameter.

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