



## Ácido indol acético e ácido indol butírico na clonagem de *Cnidoscolus quercifolius* pelo processo de macroestaquia [

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text (article)

Analítica

The faveleira (*Cnidoscolus quercifolius*) can be used in various activities, from the recovery of degraded areas to the production of biodiesel. The objective of this study was to evaluate the effect of indole acetic acid (IAA) and Indole Butyric Acid (IBA) on the rooting of *Cnidoscolus quercifolius* and to know the influence of different times of the year for collection of stakes. The stakes were collected in three different months of the year 2010 (august, october and november), from the main trunk of the trees, being cut down to about 15 cm long. Concentrations of 0.0, 2.0, 4.0, 6.0, 8.0 and 10.0 g L<sup>-1</sup> of IAA and IBA hormones were applied through liquid. At 180 days of grafting cutting, we analyzed the percentage of live stakes, main root length, dry root and dry shoot mass. The stakes had survival rate of 33.3 and 22.2% when collected in the month of August for the IAA and IAB respectively. A significant difference was observed in respect to the IBA main root length and dry mass of roots. In general, the month of August is the best to collect stakes and the different hormones concentrations (IAA and IBA) have no positive effect on the rooting of *Cnidoscolus quercifolius*.

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