

**STUDY ON TECHNICAL MEASURES FOR SEEDLING
PRODUCTION (*CARDIOSPERMUM HALICACABUM* L.)
IN GIA VIEN, NINH BINH PROVINCE**

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Summary

The study of the effect of the cultivating substrate, number of seeds/ m² and the concentration of GA3 growth regulator on the germination and growth of *Cardiospermum halicacabum* L. at the nursery stage in Ninh Binh province. The results of the study had shown that: the suitable cultivating substrate for sowing *Cardiospermum halicacabum* L. seeds is a mixture of slob + rice husk at the ratio of 1: 1 (CT3). At this cultivating medium, the germination rate ranges from 87.7 to 89.3%; the rate of plants removed from the nursery ranges from 88.7 to 90.9%; Plant height ranges from 21.7 to 21.9 cm, and the number of main leaves/main stems reaching reached 8.5 - 9.2 leaves. At the seed level of 12g/ m² (CT2), the average germination rate is 75.6 - 76.8%; the rate of seedlings from 88.4% to 87.8% after 60 days, seedlings have an average height from 15.6 to 17.5 cm, the number of leaves / main stems reached 7.0 - 7.7 leaves. Seed treatment with GA3 at the concentration of 2ppm before sowing gives a high percentage of seedlings that reach the standard of outplanting, reaching 92.3 - 92.4%, seedlings grow well, after 60 days the tree height reaches 22, 3 - 22.8 cm, the number of leaves / main stems reached 9.2 - 9.5 leaves.

Keywords: *Cardiospermum halicacabum* L; growth regulators GA3, propagated by seeds