

INITIAL PROPAGATION TECHNIQUES OF *Castanopsis boisii* Hicket et Camus BY GRAFTING THE PLUS TREES IN NURSERY GARDENS

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Summary

The paper present the results of propagation method by grafting the verified dominant Yen The chestnut trees (*Castanopsis boisii* Hicket et Camus) in Luc Nam district, Bac Giang province in order to obtain the grafted tree to maintain the characteristics of the dominant trees selected for construction set up local seed gardens. The wedge and pressure grafting methods were employed with grafting branches from 40 dominant individuals for clonal propagation of this species. The growth of grafted trees was closely monitored for 8 months on the survival rate and the shoot length to ensure the best results. Results from the wedge grafting method indicated that the rate of live grafted trees was 38%; The newborn shoots length was 39,9 cm higher than the pressure grafting method with 35.5% and 42.3 cm, respectively. The dominant trees had a high rate of grafted trees, BG40 (52%), BG02 (54%), BG09 (54%), BG22 (54%), BG16 (56%), BG24 (56%) and the highest was BG32 (60%), newborn shoots length is 41.2 cm, 45 cm, 42.8 cm, 40.1 cm, 40.5 cm, 39.4 cm and 40.2 cm corresponding to the dominant individuals. The quality of newborn shoots have met the requirements for afforestation.

Keywords: *Asexual propagation, Castanopsis boisii Hicket et Camus, grafting, nursery garden, Yen The chesnut.*