

RESEARCH ON CUTTING PROPAGATION OF *CUNNINGHAMIA KONISHII* HAYATA

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Summary

Research on cutting propagation of *Cunninghamia konishii* Hayata obtained from 3 year old seedlings at Nam Ty commune nursery, Hoang Su Phi district, Ha Giang province by NAA and IBA treatment in concentrations of 250 ppm, 500 ppm, 750 ppm, 1000 ppm and 1250 ppm for 60 seconds showed that the highest rooting rate and rooting index were 78.9% and 19.9 respectively at 1000 ppm by IBA, followed by NAA 1000 ppm (rooting rate 68.9%, rooting index 13.4). While at the untreated variant (control) the rooting rate and rooting index were only 21.1% and 2.9 respectively. Treatment of cuttings by IBA 1000 ppm for 60 seconds and tested on media of B soil layer had rooting rate and rooting index 76.7% and 18.5 respectively. On sandy soil were 70% and 14.1 of rooting rate and rooting index, and 73.3% and 16.8 of rooting rate and rooting index tested on mixed media of B soil layer and sand. The research also showed that the top-stem cuttings had rooting rate of 72.2% and rooting index of 16.4, while the middle and base stem cuttings were 57.8% and 11.2, and 37.8% and 5.5 of rooting rate and rooting index respectively.

Keywords: Cutting propagation of Cunninghamia konishii IAA, IBA, cutting propagation media.