

## **Studies on the Propagation of *Cedrela sinensis* Juss. by Stem Cuttings**

**Bing-Dwo Su<sup>1</sup>**

### **Abstract**

The influence of media on the growth of Chinese mahogany (*Cedrela sinensis* Juss.) stem cuttings during March - May and June - August was investigated in this experiment. Three different size of Chinese mahogany stem cuttings were treated with different media such as peat-moss, crude sand, sand loam, and field soil. Results show that peat-moss, sand loam, and crude sand were optimum for induction of better sprout numbers, sprout length, paripinnate length, length of roots, and rooting percentages were greater than 40%. With the medium of field soil, the greater length of roots grew on stem cuttings was occurred on 1.0~2.0 centimeter in diameter cuttings along with the most 3 rooting number during March - May. To treat with crude sand, the largest leaflet and most paripinnate numbers was observed in the diameter of 1.0~2.0 centimeter stem cuttings. It was obviously effective that sprout numbers and length were significantly variable between different diameters of stem cuttings in field soil medium. The rooting percentage of cuttings taken during June - August was observed in 5%, while only 3 cuttings successfully rooted.

**Key words:** Chinese mahogany, Stem cutting, Propagation

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<sup>1</sup>Associate Researcher and Chief of Crop Improvement Section of Taitung DARES, COA.