PROPAGATION OF PROTECTED *Magnolia x soulangeana* Soul.- Bod. 'Lennei' TREES BY SOFTWOOD CUTTINGS

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ABSTRACT

This paper describes the possibility of vegetative propagation of saucer magnolia trees in Belgrade which are protected by law as category of protected natural monument. Two trees which are more than 60 years old are successfully propagated by softwood cuttings. Influence of period of taking cuttings from trees, as well as influence of hormone treatment and cuttings type (apical or nodal cuttings) on rooting (percentage of rooting cuttings, number and length of primary and secondary roots) were investigated. The best results (65% rooted cuttings) were achieved using apical cuttings taken during the first week of July which were dipped in 0,8% IBA (indole butyric acid) and rooted in medium consisting of peat and sand (1 : 1 ratio).

Key words: protected plant species, saucer magnolia, urban trees, vegetative propagation

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