

## E-mail: mmsharifani@yahoo.com

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Perlite

Aceracea

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Silver maple Naphtaline Acetic Acid

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## Influence of cutting time of stem and medium on rooting of maple (*Acer velutinum* Boiss.)

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## Abstract

In this research, nonsexual propagation of Iranian maple (*Acer velutinum* Boiss) through stem cutting was studied, and a statistical survey called random split plot method was used in analyzing the results of the research that was carried out in the nursery No. 1 of the Shastkalateh Research and Experimental Forest Station (Dr. Bahramnia). Another group of the stem cuttings were planted under greenhouse conditions. The cuttings planted were treated with IBA at concentrations 0, 1000, 5000, 10000 ppm. The results were analyzed according to the Duncan test (at 5% level). The results showed that Iranian maple may be propagated in both ways. Furthermore, the hormone at concentration 5000 ppm produced results that were significantly different from other treatments up to 5%. Providing and planting the cuttings in late Azar (late December) also causes a significant difference up to 5% with providing and planting the cuttings in late Esfand (late March). This treatment shows better results in the greenhouse as compared to the nursery, and 76.61% of cuttings have developed roots.

Key words: Maple, Acer velutinum, Stem cutting, Hormones, IBA.