

Effect of Auxin and cutting on rooting of cammelia

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Cammelia is one of ornamental shrubs that grows well in weather conditions of Gilan and Mazendran and is used in landscaping. In late of winter, when most of trees and shrubs often are flowerless, cammelia has too many flowers and looks so beautiful. In addition cut flower of cammelia are used for decoration of flower basket and wreath etc. Because this plant is hard-rooting, its propagotion is difficult. This research was aimed on determintion of the lenght and dosage of Axin (IBA) for rooting of cammelia in Ornamental Plant Research Station of Lahijan in 1997. The expriment was designed in split-plot with four replications Main-plot was cutting length in clodding cutting with oneleaf, cutting with 7.5-10cm lenght and two leaves and cutting with 10-15cm lenght and three leaves. Sub-plot was included desage hormone with 3000, 4000, 5000ppm. 50 cuttings were cultivated in each plot. The results indicated that cutting with one leaf and IBA Auxin with 5000ppm concentration was the best treatment. and it also showed Maximum rooting in comparison to other treatments.