

**Kaçar O**, Azkan N, Çöplü N (2009) Effects of different rooting media and indole butyric acid on rooting of stem cuttings in sage (*Salvia officinalis* L. and *Salvia triloba* L.). Journal of Food, Agriculture & Environment (JFAE) 7(3 & 4):349-352.

#### Abstract

The aim of this study was to determine the effects of different rooting media and IBA on rooting of sage stem cuttings. This research was conducted in the greenhouse of Uludağ University, Faculty of Agriculture, Department of Field Crops in 1999 and 2000. In this study, two sage species (*Salvia officinalis* L. and *Salvia triloba* L.) were grown at three different rooting media (100% turf, 80% turf + 20% perlite, 80% turf + 20% pumice) treated with 1000 ppm IBA. Completely randomized design with three replications was used in for the experiments, carried out for two years' periods. When the roots covered the plastic trays (after about 45 days from planting), the percentage of rooting (%), root height (cm), cutting height (cm), dry weight of cutting (g) and dry weight of root (g) were recorded. Percentage of rooting was measured for the whole plants in the vial. Results showed that *Salvia officinalis* L. (72.16%) had higher percentage of rooting than *Salvia triloba* L. (57.22%) and also had the best percentage of rooting in media consisting of 80% turf + 20% pumice and 80% turf + 20% perlite. Moreover a high dry root weight was obtained from *Salvia officinalis* L.