The effect of different media on rooting of the ornamental plants cuttings

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With using the different media (Pure clay, Azolla compost and soil with different mixture ratio) for rooting of the ornamental plant cutting caused different results.

Leaf cuttings of Pepromia, semi-hardwood cuttings of *Euonymus europaea* and hardwood cuttings of *Ligustrum vulgaris* were prepared. Experiments were conducted on the complete randomized design with 4 treatments and 7 replications. During the rooting of cutting, the daily temperature and moisture was controlled. Cuttings with average length of 8 to 10 cm were selected and within 3 to 6 weeks rooting started and the following results were obtained.

Using the mixture of Azolla compost and clay soil in compare with the other media showed that the mixture had positive effect on the number and length of roots in leaf cuttings and the difference was significant.

Using the Azolla compost, clay and soil had positive effect on the root length of *Euonymus europaea* cuttings and the difference between treatments was significant, but was not significant for the number of rooted cuttings. Using the Azolla compost on rooting hardwood cuttings did not have any positive effect on the number and length of roots.