

The study rooting of semi-hard wood cutting of two local cultivars of olive (Zard and Rooghani) and effects of wounding on rooting process.

M.Ghasemi¹, A.Talaie²

1- Ph.D student, Dept of horticultural science college of Agriculture, university of Tehran

2- Dept of horticultural science, college of Agriculture, university of Tehran

In this research, quality's and quantity's effect on rooting of semi hard wood wting of (*olea europaea* L.) two local olive (zard and Rooghani), being studied. cuttings prepared from olive research center of Roodbar and Transferred to green bouse.

cuttings after treatment with IBA, and captan, planted under mist system. In this experiment a randomized complete block factorial designed experiment with 3 replication and 20 cuttings in each replication was used.

The statistical analisis showed that the Rooghany cultivar showed higher rooting than zard zeytoon and the difference between control of wounding treatment were statistically significance, that is the percent of rooting consist of 60.43 abd 48.2. In this two cultivars microscopic studies shows that wounding cause to improve quality's and quantity's of rooting.