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**Rooting of olive cuttings (c.v. Yellow) as affected by plant growth regulators****A. Aboutalebey<sup>1</sup> and A. Hassanpour<sup>2</sup>****1. Jahrom Azad University, Jahrom****2. Fars Agricultural Research Center, Zarghan**

In this experiment in order to determine the best concentration and type of the hormones, the leafy cutting of olive (c.v. Yellow) treated either with IBA at concentration of 2000 and 3000 ppm, NAA 50 and 100 ppm and/or mixture of IBA 1250 and NAA 50 ppm plus a control of distilled water, and water planted in glasshouse under mist.

After 75 days, the obtained results from the statistical analysis in relation with the percentage of rooted and cuttings, and the number, length, diameter and dryweight of the root per cut showed that, the best hormone treatment is IBA at concentrations of 2000 to 3000 ppm.