

STUDIES ON ROOTING ABILITY OF FIG STEM CUTTINGS (White Adriatic c.v.) AS AFFECTED BY WOUNDING AND SOME GROWTH REGULATORS.

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Abstract

Low rooting percentages of fig hardwood stem cuttings of White Adriatic c.v., was investigated. The effect of both IBA and NAA as a root promoting substances on rooting ability of cuttings, was also studied.

Wounding application was also studied to find out the reasons which were behind the difficulty of rooting process, in addition to that, growth promoters of both stem and roots. Total carbohydrates, total and reducing sugar, total indols, total free amino acids, total and conjugated phenols, N, P, K in leaves were also studied. Results revealed that, treating cuttings with IBA /or NAA raised the rooting percentages. In this respect data of this studies mentioned that wounding treatment and quick dipping of cuttings in IBA and NAA gave the highest percentages of rooting and subsequently the high survival percentages in comparison to other treatments.

Results also showed that the growth parameters of stem and roots and other chemical constituents take the same trend as affected by the previously treatment.