

**EFFECT OF GARLIC OR LIQUORICE ROOT EXTRACT AND SMASHING OR
WOUNDING OF CUTTING BASE ON ROOTING IN CHRYSANTHEMUM .**

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ABSTRACT

The study was conducted in a greenhouse , Hort. Dept. , College of Agric. , Univ. of Tikrit from 11 / November / 2009 till 20 / December , to investigate the effects of garlic extract, liquorice root extract and some special treatments of cutting on growth and rooting of Chrysanthemum.

The results showed the liquorice extract treatments significantly increased in rooting percentage, dry weight of roots, fresh weight of leaves with percentage increase 27.59 , 20.65 , 31.75 % respectively. While garlic extract treatments caused a significant increase in number of leaves and leaf area with percentage increase 17.19 , 13.75 % respectively.

The results showed the smashing and wounding of cutting base treatments caused a significant increase in rooting percentage with percentage increase 28.56 , 31.03 % respectively, While the smashing and wounding treatments caused a significant decrease in fresh weight of roots with a percentage 55.20 , 39.27 % respectively.