

EFFECTS OF VARIOUS LEVELS OF GIBBERELLIN HORMONE ON GROWTH, FLOWERING AND PHYSIOLOGICAL CHARACTERISTICS OF *FARAO* IN ANTHURIUM FLOWER

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INTRODUCTION: Henny et al (1981) did study the effect of gibberellic acid hormone on difen flowering with dieffenbachia maculate which has the same flowering as that of 250 mg/lit of gibberellic acid in flowering. Henny et al (1981) studied the effect of gibberellin hormone on filum spati flowering motivation the results of which showed the flowers in 250 and 500 mg/litr levels. Henny et al (1992) studied the effect of gibberellin hormone on scherzerianum genus of anthurium flower that has showed positive response to flowering.

MATERIAL AND METHODS: This experiment was performed in 1391 in the Research Greenhouse of Khorasgan Islamic Azad University in Isfahan in one period during 6 months by cultivation in pots methods with 4 treatments 0, 250, 500 & 750 mg/lit and 6 repetitions by random. Number of flower stems are counted after hormone spray time as 5 days frequently flower stem height spadix length measured using meter and flower stem diameter and spadix diameter, using cues and the obtained results of experiment were analyzed SASS software.

CONCLUSION AND DISCUSSION: Level of 500 mg/lit gibberellin hormone had the most effect in the number of flowers, flower stem height spadix length, spadix diameter and the least relevant amount for control level and level 750 mg/litr that was consistent with Henny et al results (1992) and gibberellin hormone *Farao* flowering had positive effect on that.

Keywords: Gibberellin, Hormone, Anthurium.