



ORIGINAL ARTICLE

EFFECT OF SOME TREATMENTS ON GROWTH, FLORAL CHARACTERISTICS AND THE YIELD OF VOLATILE OIL IN HYACINTHS

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Abstract: Study was conducted in the Horticulture department, Faculty of Agriculture and Forestry, Mosul University for the period 15 September 2019 until 1 July 2020 to study the extent of the impact different types of Bio-stimulants powders (Garlic, Yeast, Tea, Bananas peel) on the growth and floral characteristics of *Hyacinthus orientalis* L. Pink pereal variety. The concentrations 6, 12 g of Garlic, Yeast, Tea, Bananas peel has been used which was added to the soil every month in addition of control treatment. The experiment was conducted in randomized complete blocks designing RCBD with three replications and 5 bulbs for one replicate. The treatment of yeast at a 12 g.plant⁻¹ achieved the highest values of vegetative and flowering, as for the yield of the volatile oil, the treatment of yeast at 12 g.plant⁻¹ also achieved the best results, which amounted to 3.7% for the percentage of oil and 40.25 g.kg⁻¹ for the amount of oil and the best specific weight of the oil was 0.825, while the density of the oil is 0.800.

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