

**P-14 (110)****THE EFFECT OF PLANTING DENSITY AND DEPTH ON SOME PHYSIOLOGICAL TRAITS OF DAFFODILS (NARCISSUS TAZETTA L.) IN POT CULTIVATION**

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Narcissus, one of the important species of bulb ornamental that has many applications such as pot, outdoor, as well as cut flower and medicinal plant. Plants require adequate space to grow and use of available resources such as water, air, and light. In order to evaluate the effect of depth and density of morpho-physiological traits, narcissus in pot cultivation was conducted an experiment in a completely randomized design with two factors depths (0 and 7.5 cm) and density (6, 10 and 14 bulbs in m<sup>2</sup>) in three replications. The results showed that planting surface and density reduction increased the number of bulbs, leaf length, height and number of flowering stems, diameter and number of floret, the fresh and dry weight of flower and chlorophyll content and reduced the flowering time. Based on this results, planting surface and density of 6 bulbs in m<sup>2</sup> are recommended to producer cut flowers or pot narcissus.

**Keywords:** bulbous flowers, greenhouse conditions, density, depth, pot flower