

**P-93 (163)****EFFECT OF HUMIC ACID AND PERLITE ON DROUGHT STRESS OF PISTACHIO SEEDLING**

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Pistachio (*Pistacia vera* L.), one of the most important horticultural products of Iran, has been planted widely in the province of Kerman, the main area for pistachio production. The province of Kerman, especially Rafsanjan region, water crisis has always been the main problems in pistachio orchards. So pay attention to the maximum utilization of water resources to increase the efficiency of water use should be considered. The present study was carried out to evaluate the effect of soil application of humic acid and perlite on growth indices of pistachio seedlings (*Pistacia vera* cv. Badami-e-Zarand) grown under drought stress. This experiment was arranged as a factorial in a completely randomized design with four replications in greenhouse conditions. The experimental treatment consisted of four levels of humic acid (0, 30 and 60 g kg<sup>-1</sup> soil) and perlite (0 and 40 g kg<sup>-1</sup> soil) in irrigation period (7, 20 and 30 day). Results indicated that increased of irrigation period had a negative effect on the studied traits. The results showed that interaction effects of humic acid and perlite significantly increased vegetative growth such as stem diameter, leaf number and height of seedling in comparison with the control (p-1 soil, respectively).

**Keywords:** Irrigation period, height, Badami-e-Zarand, plant growth