

عنوان مقاله:

Vegetative and Reproductive Growth of Strawberry Plants cv. 'Pajaro' Affected by Salicylic Acid and Nickel

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خلاصه مقاله:

The present research was carried out under hydroponic culture to evaluate the interaction between salicylic acid (SA), nickel (Ni) on vegetative and reproductive growth of strawberry plants as a factorial experiment in a completely randomized design. Well-rooted daughter plants of Pajaro cultivar, were potted in ۳ L plastic pots and were sprayed with SA at concentrations of ۰, ۱, ۲ and ۳ mM and NiSO₄ at ۰, ۱۵۰ and ۳۰۰ mg.L⁻¹, after establishment. Results indicated that SA at ۲ mM increased root and shoot fresh weight, number of inflorescences and fruits, fruit nitrogen concentration and yield. The effect of Ni was promoting too, as ۱۵۰ mg.L⁻¹ of Ni led to significant increments of fruit number, inflorescences, leaf area per plant and yield. However, the best results were found when SA was applied accompanied by Ni.

کلمات کلیدی:

Yield, Essential element, growth Parameter, Nickel, Salicylic acid, Strawberry

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