

عنوان مقاله:

Effect of Potassium Nitrate and Benzyl Aminopurine on Some Morphological Characteristics of Saffron

محل انتشار:

دهمین کنفرانس بین المللی تحقیقات پیشرفته در علوم، مهندسی و فناوری (سال: 1401)

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خلاصه مقاله:

This study was conducted to investigate the effect of potassium nitrate and benzyl aminopurine on some morphological characteristics of saffron plant. The experimental performed in Negar city conditions with a distance of 70 km from the center of Kerman during the year 2019-2021. This experiment was performed in a randomized complete block design. The experimental treatments included 400 mg/l potassium nitrate solution, 700 mg/l potassium nitrate solution, 1000 mg/l potassium nitrate solution, 250 ppm benzyl aminopurine, 500 ppm benzyl amino purine and control. The studied factors include flower weight, stigma length, flag length, stigma weight. The results showed that the highest mean weight of 10 flower stigmas was allocated to the treatment of 1000 mg/l potassium nitrate with a value of 0.35 g. In relation to treatments of 250 and 500 ppm, benzylamine purine increased the flower weight by 12 and 7%, respectively, compared to the control. Treatments of 250 and 500 ppm benzyl aminopurine increased the stigma weight by 9 and 38% compared to the control, respectively.

کلمات کلیدی:

Growth regulator, Yield, Medicinal plant

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