

عنوان مقاله:

(The Effect of Priming Treatment on Yield Components of Pea (Greenaro

محل انتشار:

دومین کنفرانس بین المللی پژوهش در علوم و تکنولوژی (سال: 1394)

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خلاصه مقاله:

In order to investigate the effects of seed priming on yield components in pea (Greenaro), an experiment was conducted in January 2013, using a randomized complete block design with four replications. Priming treatments including control (non priming), hydro-priming, priming with Calcium Chloride, Zinc Sulfate, and Potassium Chloride were assigned to subplots. The results indicated a significant effect of the priming treatments on the average number of pod, pod fresh weight, number of grains per plant, average grain weight, germination percentage, the lowest pod distance from land, the biggest pod size, pod total weight, number of pods and grain fresh weight, while, the results indicated an insignificant effect of the priming treatments on the pod dry weight, grain dry weight, protein content, the highest pod distance from land, the smallest pod size. The maximum average number of pod, grain fresh weight, pod number, and pod total weight were observed in the control treatment; the maximum pod weight and number of grains per plant in the Calcium Chloride treatment; the maximum grain weight average in the potassium Chloride treatment; the maximum germination percentage in the Zinc Sulfate treatment; and the maximum pod size in the hydro-priming treatment.

کلمات کلیدی:

Priming, Peas, Germination, Yield Components

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