

عنوان مقاله:

The effect of irrigation intervals and nitrogenous fertilizer on the quantitative and qualitative performance of chamomile

محل انتشار:

سومین کنگره سراسری در مسیر توسعه علوم کشاورزی و منابع طبیعی (سال: 1395)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

In order to determine the best irrigation intervals and nitrogen fertilizer rate on the performance and chamomile essence an experiment was conducted in 1387-1388 cropping season, at the Agricultural research Center and Natural Source of Yazd province. The experiment was established as a randomized complete blocks design using split-plot with 3 replications. Irrigation intervals' factor was considered at 3 levels contain (I₃=18, I₂=2, I₁=6) day as a main factor, and nitrogen fertilizer's factor at 4 levels contain (N₃=100, N₂=80, N₁=60, N₀=0) kg net nitrogenous per ha⁻¹ (urea) as a sub factor. Each experimental unit consisted of 6 planting line to a distance of 20 cm and 6m long, and fresh flower performance, dry flower performance, essence percentage and essence performance were studied. The results showed that the highest performance belonged to dry flower with the rate of 284/2 kg per ha⁻¹ and 80 kg nitrogenous treatment and irrigation intervals of once every 12 days. Also fertilizing treatment of 60 kg per ha⁻¹ nitrogenous devoted the highest percent of essence to itself, and essence performance was obtained from 0.71 l per ha⁻¹ I₃N₀ up to 2.17 l per ha⁻¹ in I₂N₂.

کلمات کلیدی:

chamomile, irrigation interval, nitrogenous fertilizer, qualitative performance, essence

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