

عنوان مقاله:

Evaluating the Different Irrigation Intervals on Performance of Poplars

محل انتشار:

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خلاصه مقاله:

This study was conducted in order to understand the performance (survival and height growth) of two poplar species (*Populus alba* and *Populus caspica*) cuttings in two lengths (۱۵ cm and ۲۵ cm) under three irrigation treatments (۷-day, ۱۴-day and ۲۱-day intervals). One trial was established using split-split-plot design with three replications. Every two weeks height and number of remaining cuttings were measured. Results showed the survival average at the end of periods for ۷-day, ۱۴-day and ۲۱-day irrigation treatments were ۸۳.۳۳ %, ۲۲.۰۸ % and ۰ %, respectively, for *P. alba* and *P. caspica* were ۲۵.۸۹ % and ۴۴.۳۹ %, respectively and for cuttings in ۱۵ and ۲۵ cm were ۲۹.۶۱ % and ۴۰.۶۶ % respectively. The results of two-way analysis of variance of the survival among cuttings indicated that the differences survival among cuttings were all marked under the four treatments and analysis of variance of the height growth indicated that except under the size treatment, the differences height growth among cuttings were all marked under the other three treatments.

کلمات کلیدی:

.*Populus caspica*, *Populus alba*, irrigation interval, height growth

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