

عنوان مقاله:

Study of some growth traits of common reed (*Phragmites australis*) in Iran

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خلاصه مقاله:

Most of the research on *Phragmites australis* is restricted to sites on the European continent even though *P. australis* occurs abundantly in many regions in the Asian and other continents under different climatic and habitat conditions. The populations used in this study were collected from different parts of Iran. All these populations were grown in the same conditions in experimental field, located in Agricultural Science Department Research Station (University of Tehran). The rhizomes of ۳۹ populations of common reed were planted in a randomized complete block design (RCBD) with three replications. At the end of season, some growth traits were measured. The comparison of the traits revealed differences in shoot length, shoot diameter, shoot internodes, leaf area, panicle length, leaf dry weight, stem dry weight, panicle dry weight, percent of flowering shoots, start panicle formation (days after planting) and senescence time (days after planting) among common reed populations in Iran. A dendrogram was prepared on the basis of studied traits using the UPGMA algorithm and separated the ۳۹ populations into four groups which were mainly in accordance with geographical origins.

کلمات کلیدی:

common reed, Rhizome, geographic distribution, population, ecotype

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