

Comparison of ecological adaptation of 13 cultivars of turfgrass to the climatical condition of Tehran

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The aim of the present study is recognition of the most compatible cultivars to be recommended for climatic condition of Tehran.

To do this, speed of germination, stabilization, uniformity , color, texture, rate of growth, soluble solid content, root weight, density, glucose content in root, stem, and germinated seed were measured during 1993 and 1994. This experiment was conducted in a split plot design with four replications and four factors including cultivar, density, time and location.

The results showed that three cultivars have potential to be planted in Tehran area which are *Lolium perenne* (Barrage), *Loium perenne* (Barball) and sport mix [*Lolium perenne* (Barry)+ *Poa pratensis* (Baron) + *Festuca rubra*] and the recommended density for them are 15, and 25 gr/m² respectively.