عنوان مقاله:

Genetic and biochemical diversity assessment of promised population thyme collected from Iran

محل انتشار:

زیست فناوری گیاهان دارویی, دوره 7, شماره 1 (سال: 1400)

تعداد صفحات اصل مقاله: 7

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خلاصه مقاله:

Thymus is the eighth important genera of Lamiaceae family with regard to the number of containing species. It's been used as a medicinal, aromatic and spicy plant. Demand for thyme products is growing and is not likely to be supported by collecting from natural populations because of insufficient/irregular rainfall in traditional source areas as well as destruction of its natural habitat. In this investigation nine populations (four population of Thymus kotchyanous from different part of Iran, one population of Thymus daenensis collected from Zanjan and four cultivars of Thymus vulgaris) planted in RCBD design with ۳ replicates. Morphologically important traits were recorded to assess the genetic diversity within the Thymus genus. Considering dry matter yield, T. danensis with ۴.۱ tons/ha and ۶۰% thymol component in essential oil has been selected as the most recommended population for cultivation in the cold region conditions. In the second rank, T. kochyanous code ۵۴ had ۳.۵ tons/ha dry matter yield and ۶۰% carvacrol content in essential oil samples. In conclusion, T. daenensis and T. kotchyanous_۷۰ could selected for next phase of seed production.

کلمات کلیدی: