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**Determination of Yield and Quality in Marjoram as Influenced by Development
Periods**

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Abstract: Marjoram, naturally grown in Mediterranean region, is a perennial shrub. It is used as spices, and its essential oil has also antimicrobial and antibacterial properties. Marjoram is well-adapted to Çukurova conditions, so, the highest fresh (1077.2 kg/da) and dried herba yields (492.9 kg/da) and essential oil yield (7.77 l/da) were obtained at post-flowering stages. The determined main components of its oil were γ -terpinen, p-cymol and terpineol. The contents of geraniol, p-cymol and cineol were found to be influenced by only development stages while sabinen, myrcen, borneol, terpineol, thymol and carvacrol contents were influenced by both development stages and experiment years.

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