

# Evaluation of some pomological and physiological traits of some olive cultivars in the drama region of Tarom city

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**Abstract** This study was done in the form of randomized complete block design to investigate the adaptation of four commercial olive varieties; i.e. caillat, Mission, Manzanilla and Conservalia, in Dram area of Tarom county. Some vegetative and reproductive traits were measured in this design and then analyzed and evaluated through using SAS. The results of data variance analysis showed that there was a significant difference between the varieties with respect to the branch yield, dry matter fruit oil percentage, olive flesh percentage, flesh: stone ratio, fruit-set percentage and fruit weight. Manzanilla had the highest branch yield and dry matter fruit oil percentage; as Conservallia had the highest percentage of fruit-set, flesh percentage, flesh: stone ratio and fruit weight among the studied varieties. Manzanilla was placed next to it in this regard. Concerning the studied traits, Kaylet had the lowest rank.

**Keywords :** Keywords: Olive varieties, pomological traits, darram, oil percentag

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