

## ABSTRACT

INVESTIGATION OF SEASONAL CHANGES OF MINERAL  
NUTRIENTS IN OLIVE TREE (*Olea europaea* L.)  
DURING “OFF” CROPPED SEASON

Mesut ÇITAK

M. Sc. Thesis, Adnan Menderes University  
Graduate School of Natural and Applied Sciences  
Department of Soil Science and Plant Nutrition  
Supervisor: Assoc. Prof. Dr. Mehmet Ali DEMİRAL

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The aims of this study are to determine the seasonal changes in mineral nutrient concentrations of the leaves of Manzanilla olive tree at the Experimental Station of Agriculture Faculty, University of Adnan Menderes, Aydın, Turkey and to determine the most appropriate leaf sampling date for this cultivar in Aydın region. For this purpose, 30 olive trees grown under rainfed condition without fertilization and pest control in “off” cropped season were selected and leaf and soil samples were taken monthly.

The leaf analysis showed that the most appropriate leaf sampling time is February for the Manzanilla olive cultivar grown in Aydın.

**Key words:** Manzanilla, olive, *Olea europaea* L., nutrient elements, seasonal changes