

## **ABSTRACT**

### **THE DETERMINATION OF GROWTH SITUATION OF SOME APRICOT CULTIVARS IN AYDIN REGION**

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In this research, to determine earliness and vegetative growth performances of four apricot cultivars in Aydın ecological conditions was aimed. The research was out in newly planted fruit collection parcels in Adnan Menderes University in 2012 and 2013 years. Beside the phenological observations and evaluate of morphological data, in Zaza cultivar chilling units was made. In both years, phenological observations in cultivars showed the differences. When morphological data were evaluated, İğdir (Aprikoz) and Roxana gave the positive results for the both years. In Zaza cultivar, chilling units for 2012 and 2013 were found as 697 and 685 CU respectively. The earliest flowering occurred in Zaza cultivar. The Roxana cultivar which had the highest chilling unit requirements showed the latest budbreak. In the light, obtained data adaptation to the region of all cultivars used in this were found promising for future.

**Key Words:** Chilling units, apricot, adaptation, phenological, morphological