

Title Determination of controlled atmosphere storage conditions for '0900 Ziraat' sweet cherry fruit
Authors B. Akbudak, H. Tezcan, A. Eris
Citation ISHS Acta Horticulturae 795:855-860. 2008.
Keywords *Prunus avium*; O₂; CO₂; fruit quality

Abstract

The aim of this research was to determine the effects of combinations of low O₂ and high CO₂ in the storage atmosphere on the storage quality of '0900 Ziraat' sweet cherry (*Prunus avium* L.). The fruit were placed in six different %CO₂:%O₂ atmosphere combinations (0:21 [control], 5:5, 10:5, 15:5, 20:5, 25:5) at 0±0.5°C and 90±5% relative humidity for up to 60 days. The fruit was stored more successfully in 20:5 and 25:5 treatments than in other treatments. Accordingly, it is recommended that the levels of CO₂ for the storage of '0900 Ziraat' should be increased above 15% in CA storage.