



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**Determination of Effective Heat Summation Requirements of Stone Fruits Grown
in Ankara Conditions**

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Abstract: In this study, the effects of some important citrus rootstocks such as local sour orange (*Citrus aurantium* L. var. "Brazilian"), Taiwanica (*Citrus taiwanica* Tan. and Shim.), Volkameriana (*Citrus volkameriana* Tan. and Pasq.), Rough lemon (*Citrus jambhiri* Lush.), Yuzu (*Citrus junos* Sieb. ex. Ten.), Cleopatra mandarin (*Citrus reshni* Tan.) Benecke trifoliata (*Poncirus trifoliata* Raf. var. "Benecke"), Citrumelo 1452 (*Poncirus trifoliata* Raf. x *Citrus paradisi* Macf. var. "1452"), Carizzo and Troyer citranges (*Poncirus trifoliata* Raf. x *Citrus sinensis* Osb. var. "Troyer" and "Carrizo") on fruit yield and quality of Washington Navel and Moro blood orange were investigated. The experiment was carried out during 1987-1994 at the Department of Horticulture, Faculty of Agriculture, University of Çukurova on the trees planted as 7x7 m in "Citrus Rootstocks Trial Parcels" in 1982. Rootstocks effected significantly the fruit yielded and the qualities of the cultivars. The highest fruit yields of Washington Navel orange were obtained from the trees on Carizzo citrange and Volkameriana, both of citranges effected positively on fruit quality of Washington Navel orange. Volkameriana effected negatively on the fruit quality, although the yield has been increased. Brazilian sour orange and Yuzu effected negatively on the fruit quality like Volkameriana. In consider of the yield of Moro blood, the best results were taken from the trees on Volkameriana, however the best fruit quality were determined on the citranges. Local sour orange and Yuzu effected negatively both of fruit yield and quality of Moro blood orange like Washington Navel

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