

Title	Some new Orange Cultivars Grafted on Different Rootstocks, plant and Pomological Characteristics in Western Mediterranean region.
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Abstract: Batı Akdeniz region is still widely used in local citrus rootstock (*Citrus aurantium* L.var."Yerli") rootstocks. However, sour orange (*Citrus aurantium* L.var."Yerli") rootstocks Tristeza to be sensitive to disease, is a big risk in terms of citrus production. Therefore, Antalya and around the determination of the performance of some new citrus rootstocks, citrus is very essential for the future seems citrus production.

Our country is growing citrus, orange as the predominant species and varieties are an important part of the mid-season varieties. This is the production by blocking the spread of a broader time period, a significant disadvantage in terms of both producers and consumers are both.

In recent years, been brought to our country from abroad in different ways, but unknown regional performances of Lane Late, Cara Cara, Fukumoto has some orange varieties. The regional performance of new varieties by producers is specifies the use of the power plant garden, a negatively If there are any leads to considerable financial losses for producers

Conventional irrigation in the orange groves are still an important part of our country, watering gardens are watered with 7x7 m intervals were established. Orange grove in the world of plants and irrigation system is usually established dikimle semi-frequently planting used as a drip irrigation system. And drip irrigation in our country in recent years, with semi-frequent planting increases in irrigated garden plants have become. In this study, the citrus rootstock and sour orange as an alternative to the standard of the C-35 (*Poncirus trifoliata* Raf.x *Citrus sinensis* (L.) Osbeck Ruby) and Carrizo citrange (*Citrus sinensis* *Poncirus trifoliata* OSB.var Raf.x."Carrizo) rootstocks used. Variety is the kind of standard as the Washington Navel orange varieties, and this in addition to Lane Late, Cara Cara, Fukumoto varieties used. Still look to use the vaccine study, the seedlings 6 months after vaccination 6x4 m intervals (semi-frequent planting), ridge planting and irrigation system will be used as a drip irrigation system. As a result, some new orange varieties grafted on different rootstocks of citrus with semi-frequent planting garden plants will be held in Antalya ecological

conditions and the performance of these varieties will be determined in terms of plant growth and development

Keywords: Rootstocks, Scion, Irrigation system, Semi-frequently planting