

Study of quantitative and qualitative characters of nectarine in Esfahan climatic conditions.

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In order to select high yielding cultivars with desirable fruit quality, in this experiment 12 nectarine cultivars, were evaluated in a randomized complete block design with 3 replications, in the Kaboutarabad Agricultural Research Station for a 9 years period. (91-99)

At the period of the experiment, different traits of the cultivars such as vegetative characters, yield and qualitative characters were studied.

In each year simple analysis of variance was done, and at the end of experiment combined analysis of variance was done on the data. The combined ANOVA results showed that year and cultivar had significant effects on yield and vegetative characters of trees.

In mean comparison with OMRT method, cultivar independence with 133178 kg/ha had the highest yield and cultivar Sunking had the highest vegetative growth between other cultivars.

The results of this study showed that from different points of view such as adaptability, vegetative characters, quantitative and qualitative characters, cultivars independence, Nectard 6, Sunking, Sungold, Sefide Mashhad and Kuota were better than other cultivars respectively. Therefore these cultivars can be recommended as suitable cultivars for climatic conditions in Esfahan.