

Assessment and comparison of quality and quantity characters of pomegranate (*Punica granatum* L.)

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In these trials 30 cultivars with four checks including four trees from every species, have been used in augmented design. These cultivars have been the available species in the provinces of Fars, Kerman, Esfahan, Yazd and the cities of Saveh and Varamin.

The effects on vegetative and reproductive growth were recorded as follows:

1. Tree characteristics
2. Resistance to pest and diseases
3. harvest season
4. Yield

The design has been performed through nine years from which cutting planting has been considered and through the second year it has been transported to the field. Only some vegetative notes have been taken up to the sixth year when they revealed their full growth.

The study revealed that in blocks yield was not significant.

The best yield with 21.2 ton/heactar was obtained from Ghoyagh in Qom.

The lowest yield with 5.185 ton/heactar was obtained from Ravar of Kerman.