

Title Investigation of qualitative and quantitative characteristics of five export pomegranate cultivars in Saveh Regi Iran

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Abstract

Pomegranate, *Punica granatum* is one of the most important orchard products in Iran and it has different cultivars. It is mostly bred in margin of the Kavir region with hot summer and cold winters, relatively saline area. The present study was carried out in Saveh Research Site for investigation of qualitative and quantitative characteristics of five cultivars (Malas Saveh, Malas Yazdi Rabab, Naderi, Shishe Kap). The completely randomized design with 5 treatments and 3 replications was used to study main characteristics including flower numbers, fruit numbers, percentage of infection to *Spectrobates cerationiae*, percentage of fruit cracking, fruit weight, fruit length, fruits diameter, ten seed weight, vitamin C, pH, total acidity, total soluble solids, fruit sugar. The percentage of infection to *Spectrobates cerationiae*, the percentage of fruit cracking and ten seed weight are (4.9-33.62 %), (0.95-13.96 %) and (3.4-5.1 gr) respectively. Also, the concentration average of vitamin C, pH, total acidity, total soluble solids, fruit sugar are (8.8-22.8 mg/100ml), (3.5-3.7), (1.1-1.3), (4.4-5.08), (1.6-3.5 gr/100cc) respectively.