

Study on effects of harvesting date of Soltana grape on quantitative and qualitative traits of recoverable raisins.

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Researches have shown that there are many factors affecting traits of raisins. Fruit harvesting date is one of these factors which is highly effective on quantitative and qualitative traits of raisins through altering contents of sugar, acid, water, berry size and even plant yield. Therefore, this investigation was carried out to determine the best time of soltana grape harvesting in Qazvin for obtaining a raisins uniform in colour and size with suitable taste and tissue and highest in yield. For this purpose, harvesting dates with 10-day intervals including 31th Mordad, 10, 20, 30th Shahrivar and 10th Mehr (Aug.20,Sept.11,Sept.21,and Oct.2) were used in a RCBD with four replications in one of gardens of Takestan region. In each treatment, four plants were considered and harvesting was done in two middle plants. In each harvesting date, traits such as content of soluble solid materials, bunch length, bunch weight, volume and weight of berry, grape yield, and post production , traits such as colour, size, 50-seed weight, marketing value and amount of recoverable raisins were measured. Results showed that late harvests (30th Shahrivar and 10th Mehr)(Sept.21 and Oct.2) by having about 24.5% TSS, 16.4-15.6 grams of raisins 50-seed weight and the best ratio of grape to raisins (3.5 kg grape for production of one kg golden yellow raisins) are the most suitable harvesting dates for raisins production.