

## The Effects of Yield and Yield Components of Some Quality Increase Applications on Razakı Grape Variety

**Authors :** Şehri Çınar, Aydın Akın

**Abstract :** This study was conducted Razakı grape variety (*Vitis vinifera* L.) and its vine which was aged 19 was grown on 5 BB rootstock in a vegetation period of 2014 in Afyon province in Turkey. In this research, it was investigated whether the applications of Control (C), 1/3 Cluster Tip Reduction (1/3 CTR), Shoot Tip Reduction (STR), 1/3 CTR + STR, Boric Acid (BA), 1/3 CTR + BA, STR + BA, 1/3 CTR + STR + BA on yield and yield components of Razakı grape variety. The results were obtained as the highest fresh grape yield (7.74 kg/vine) with C application, as the highest cluster weight (244.62 g) with STR application, as the highest 100 berry weight (504.08 g) with C application, as the highest maturity index (36.89) with BA application, as the highest must yield (695.00 ml) with BA and (695.00 ml) with 1/3 CTR + STR + BA applications, as the highest intensity of L\* color (46.93) with STR and (46.10) with 1/3 CTR + STR + BA applications, as the highest intensity of a\* color (-5.37) with 1/3 CTR + STR and (-5.01) with STR, as the highest intensity of b\* color (12.59) with STR application. The shoot tip reduction to increase cluster weight and boric acid application to increase maturity index of Razakı grape variety can be recommended.

**Keywords :** razakı, 1/3 cluster tip reduction, shoot tip reduction, boric acid, yield and yield components

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