

Effect of cane pruning on growth, yield and quality of grape varieties under Buldana district

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ABSTRACT

The investigation was carried out with six treatments comprising age of Vine (4 years) with spacing 240 x 120 cm, Cane pruning severity treatment had significant effecting various phases of growth, yield and quality on the grape varieties viz., Thompson and shared seedless. Bud burst was maximum at terminal and first lateral bud position regardless of pruning severity levels and these buds were mostly fruitful. In Thompson seedless 7th leaf (P₃) cane pruning treatment gave maximum bunches and higher yield, whereas in Shared seedless 6th leaf (P₂) cane pruning treatment gave maximum bunches (32 bunches in Thompson seedless and 36.20 bunches per vine in Shared seedless) and high yield (8.4 kg in Thompson and 8.6 kg in Shared seedless) than rest of the treatments. Significantly the maximum berry weight, berry size and berry volume were obtained from 7th leaf (P₃) treatment in Thompson seedless variety and 6th leaf (P₂) treatment in Shared seedless variety. Maximum TSS : acid ratio and low acidity, high reducing sugar were obtained from treatment 7th leaf (P₃) in Thompson seedless, whereas treatment 6th leaf (P₂) in Shared seedless variety.

Key words : Cane pruning, Grape varieties, Growth, Yield and quality

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