

Effect of pruning intensity on the growth rate and yield of grape C.V. White seedless

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To study effect of different intensity of pruning on white seedless cultivar, experiments were carried out for two years during 1993-1994 in Urmia vineyards. The experiments were conducted using complete randomized block design with three replications. The total number of buds, left on vines were 50,75 and 100 buds per vine in three different treatments. Therefore canes of studied vines were pruned back to 7,10 and 13 buds from the base.

According to the obtained results, different pruning treatments had important effect on the yield .

The number and weight of cluster were increased by increasing the number of buds left on vines but sugar content of berries were decreased. No significant differences were found between berry weight in various pruning treatments. Significant difference were observed among pruning weight which decreased by increasing the total number of buds left on the vines. No significant effect observed between the number of fruitful buds. Due to the obtained results and with consideration of environmental ntal condition, to keep 10 buds and pruning the rest of cane is best pruning intensity to obtain balanced growth rate accompanied with good yield in cv. white seedless.