

## **Study on pruning severity effect on quantitative and qualitative traits of peach and control of peach twig borer.**

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Peach is one of the most important fruit crops of Iran, which needs annual sever pruning in order to produce big fruits, high density flowers and bearing fruits on one-year shoots. On the other hands, tree is damaged by peach twig borer. In order to determine pruning intensity and proposing suitable approaches based on IPM program to control the mentioned pest, a study on the effect of different pruning intensity on quantitative and qualitative traits, pest intensity, and damage on shoot tips and fruits was conducted. Primarily, trees were selected and broken, dried, and interferred shoots were removed. Treatments included pruning  $\frac{1}{4}$ ,  $\frac{3}{4}$  and  $\frac{1}{2}$  shoot length based on RCBD with three replications. Pruning was carried out before blossoming. Finally, fruit number and weight, number of damaged shoot tips(average of damaged shoot tips number of a main northern tree branch and a main southern one), and number of damaged fruits were measured.