The Effect of the Position of Shoot Growth on the Physiological Respons, Vegetative Growth and the Yield of Some of the Grape Cultivars.

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this experiment was carried out In order to investigate the effect of different positions of the shoot growth, in this study to the physiological respons, vegetative growth, and the cultivar yield by applying five different grape cultivars are evaluoted.

Investigated details included, net assimilation rate (NAR), stomata number, leaf area, shoot length, shoot diameter and cluster weight. NAR, stomata number, shoot length and cluster weight of cultivars were significant.

In the vertical position of the shoots, NAR, stomata number, leaf area, shoot length and cluster weight were more than horizontal position of the shoots.

It was also observed that, interaction between cultivars × position of the shoots from the point of NAR, stomata number, leaf area and shoot length were significant too. Thus, in the vertical position of the shoots, the photosynthetic efficiency of the leaves and of the yield are more than that of horizontal position of the shoots.