

Study on effects of bud number and cane length on fertility capacity and some quantitative and qualitative traits of seedless grape cv. Soltana.

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Since grape bud number (charge) and cane length affect different factors such as leaf area, plant growth rate, buds break percentage, fruiting shoots percentage, fertility coefficient, number and weight of cluster and fruit quality, therefore in this research, effects of 48 and 72-bud charges together with the canes having 4,6 or 8-bud length and their interactions on soltana grape with using a factorial experiment in RCBD with 3 replications(each plot as a whole plant) were studied. Results showed that increasing the length of cane, charge and their interaction cause to increase the cluster number, fruiting shoots number and fertility coefficient significantly and had no undesirable effects on dimension and cluster weight. In other words, results show that there is more fruiting in apical buds of cane in seedless cultivar than one to four first buds(which are mostly vegetative) and long pruning in seedless cultivars appear to be necessary.