

Effect of growth regulators and pruning on quality and quantity of tomato

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Tomato (*Lycopersicon esculentum*) is one of the important horticulturd crops. To increase the earliness , quality and quantity of the fruit, in this research the effects of pruning, NAA (0,5,10 ppm), 2,4-D (0,5,10) and GA₃ (0,50 ppm) were studied on tomato cv. "Imperial".

Results of two years study showed that pruning and using of support increased the total soluble solid (TSS) of fruits. Auxin application had no effects on TSS. GA₃ (50 ppm) or NAA (50 ppm) increased the total production from 60 to 150%