ABSTRACT

EFFECT OF PRUNING POSITION ON GROWTH AND YIELD OF CUCUMBER (*Cucumis sativus* L.)

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Pruning is one way to stimulate the growth and yield of cucumber plants for bud formation, flower formation and generative growth. This study aims to determine the effect of pruning on the growth and yield of cucumber plants. The study used a randomized block design repeated four times with treatment A (without pruning), B (pruning the lateral branches of the 1st to 5th internodes), C (pruning of the 1st to 5th lateral branches and pruning the 3rd internodes of the lateral branches of the lateral branches on 6th to 10th internodes), D (pruning of the 3rd node of all lateral braches), E (pruning of the main stem of the 12th node), F (pruning of the main stem of the 12th node and pruning of the 3rd bud of all lateral branches). Data analyzed of using variance with F test and continued with Duncan's Multiple Range Test at 5% level. The results showed that pruning position had an effect on plant height, fruit number per plant, fruit lenght, fruit diameter, fruit weight, fruit weight per plant, fruit weight per plot, but had no effext on leaf area and leaf area index. Pruning the 3rd bud segment of all lateral branches was able to increase plant height to 190,63 cm, number of fruits per plant 11,56 fruit, fruit leght 16,23 cm, fruit diamter 3,39 cm, fruit weight 120,75 g, fruit weight per fruit per plant 1396,75 g or 51,21 t/ha.
B

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