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EFFECT OF PLANT GROWTH REGULATORS ON GROWTH AND FLOWERING HABITS IN PAPAYA (*CARICA PAPAYA* L.) CV. CO-2

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ABSTRACT : The experiment consists of thirteen treatments replicated three times and was laid out in randomized block design. Vegetative growth in terms of average plant height, number of leaves and stem girth of plants was influenced by application of MH, cycocel and ethrel. Minimum plant height was recorded in MH-400ppm whereas maximum number of leaves were recorded in ethrel-500ppm and maximum stem girth was seen with treatment CCC-1500ppm. Significantly more flowering was recorded in MH-600ppm, Ethrel-500ppm recorded earlier flowering and maximum number of female flowers were seen with treatments of NAA-120ppm.

Key Words : Plant growth regulators, flowering habits, papaya Co-2, cycocel, MH