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Effect of different plant growth regulators and chemicals on growth and yield of pomegranate (*Punica granatum* L.) cv. BHAGWA

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ABSTRACT : The results of present investigation indicated that, application of GA_3 75 ppm showed maximum height (170.75 cm), spread of plant (152.50 cm), the maximum length of fruit (8.67 cm), diameter of fruit (9.20 cm), the highest mean fruit volume (308.00 ml). The chemicals showed non-significant differences in height, spread of plant and length of fruit while. The pre-harvest spray of boron 0.3 per cent showed significantly maximum diameter of fruit (8.57 cm), highest mean fruit volume (291.00 ml), maximum number of fruits per plant (99.9), average weight of fruits (161.56 g) and fruit yield per ha (16.25 Mt/ha).Interactive treatment combination consisting of GA_3 75 ppm + boron 0.3 per cent produced higher growth and yield of pomegranate fruits.

KEY WORDS : Growth regulators, Boron, Pre- harvest spray, Pomegranate, Fruit yield

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