



RESEARCH PAPER

Effect of plant growth regulators on growth and yield of cabbage (*Brassica oleracea* var. capitata)

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Abstract : The present investigation entitled “Effect of plant growth regulators on growth and yield of cabbage (*Brassica oleracea* var. capitata)” was carried out at Horticulture farm, Department of Horticulture, School of Agricultural Sciences, JRNRV, Udaipur during *Rabi* season 2023-24. The experiment was conducted in Randomized Block Design with three replication comprising eight treatment combinations. Result showed that among growth regulators application of T₉ treatment (GA₃ + NAA @ 50-50 ppm) recorded maximum values of different growth, yield and economics characters of cabbage such as maximum plant height (18.32 cm, 30.10 cm and 34.75), number of leaves *i.e.* 12.15, 14.25 and 17.82, stalk length *i.e.* 3.72 cm, 5.22 cm and 5.81 cm at 30, 45 and 60 days, diameter of head *i.e.* 49.15 cm, head weight 1.65 kg, head yield *i.e.* 31.28 ton/ha.

Key Words : Plant Growth Regulators, Cabbage

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