



## RESEARCH PAPER

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

Nitu Katara\*, A.S. Jodha, Preksha Nagar and Shankar Lal Kumawat<sup>1</sup>  
School of Agricultural Sciences (J.R.N.R.V.U.), Dabok, Udaipur (Rajasthan) India  
(Email : Kataraneetu80@gmail.com)

**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 T<sub>9</sub> treatment (GA<sub>3</sub> + 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

**View Point Article :** Katara, Nitu, Jodha, A.S., Nagar, Preksha and Kumawat, Shankar Lal (2024). Effect of plant growth regulators on growth and yield of cabbage (*Brassica oleracea* var. capitata). *Internat. J. agric. Sci.*, **20** (RAAEALSES) : 51-54, DOI:10.15740/HAS/IJAS/20, RAAEALSES-2024/51-54. Copyright@2024: Hind Agri-Horticultural Society.

**Article History :** Received : 15.10.2024; Accepted : 25.10.2024

---

\*Author for correspondence:

<sup>1</sup>Department of Fruit Science, Agriculture University, Kota (Rajasthan) India