



RESEARCH ARTICLE :

Effect of different plant growth regulators on growth of chilli (*Capsicum annum* L.) cv. PUSA JWALA

■ B. SHANKHWAR, A.K. NIGAM, N. VASURE AND D. VISHVAKARMA

ARTICLE CHRONICLE :

Received :

15.07.2017;

Accepted :

30.07.2017

SUMMARY : An experiment entitled, “Studies on effect of different plant growth regulators on growth, yield and quality of chilli” was carried out during 2015-16 in the field of Research Farm, J.N.K.V.V., College of Agriculture, Tikamgarh (M.P.). The experiment was laid out in RBD with ten treatments and three replications. The plant growth regulators used were T₁ - NAA (20 ppm), T₂ - NAA (40 ppm), T₃ - NAA (60 ppm), T₄ - GA₃ (25 ppm), T₅ - GA₃ (50 ppm), T₆ - GA₃ (75 ppm), T₇ - Ascorbic acid (100 ppm), T₈ - Ascorbic acid (200 ppm), T₉ - Ascorbic acid (400 ppm) and T₁₀ - Control. Results obtained in the present investigation revealed that, the highest plant height (34.73, 45.19 and 56.39 cm), number of leaves (50.71, 75.98 and 90.35 plant⁻¹), number of branches (9.73, 22.82 and 26.97 plant⁻¹) at 30, 60 and 90 DAT. Maximum fruit length (10.91 cm) and fruit girth (2.01 cm) NAA @ 40 ppm followed by NAA @ 60 ppm.

How to cite this article : Shankhwar, B., Nigam, A.K., Vasure, N. and Vishvakarma, D. (2017). Effect of different plant growth regulators on growth of chilli (*Capsicum annum* L.) cv. PUSA JWALA. *Agric. Update*, 12(TECHSEAR-5) : 1187-1189; DOI: 10.15740/HAS/AU/12.TECHSEAR(5)2017/1187-1189.

KEY WORDS :

Chilli, Growth regulators, Plant height, Leaves, branches

Author for correspondence :

B. SHANKHWAR

College of Agriculture
(J.N.K.V.V.), ,
TIKAMGARH (M.P.) INDIA
Email : shivishankwar@gmail.com

See end of the article for authors' affiliations