



## Research Paper

### Article history :

Received : 28.10.2013

Revised : 15.04.2014

Accepted : 27.04.2014

# Effect of spacing on growth and reproductive parameters of different cultivars of sweet pepper

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**ABSTRACT :** The present investigation entitled effect of spacing on plant growth and reproductive parameters of different cultivars of sweet pepper (*Capsicum annuum* var. *grossum*) was undertaken in the Department of Horticulture, Sam Higginbottom Institute of Agriculture, Technology and Sciences, Allahabad during the year 2009-2010. The experiment was laid out in 3x5 Factorial Randomized Block Design having 15 treatments and 3 replications. The treatment T<sub>8</sub>- (variety Lucky star-165 with spacing 60x45cm) was found to be superior and statically significant over other treatment combinations, which recorded highest plant height (34.66 cm), number of leaves/plant (137.00), number branches/plant (9.57), time of flower bud initiation (52.41 day after transplanting), number of flower bud/plant (6.08), number of flowers/plant (4.41), number of fruits/plant (4.25), fruit diameter (4.91 cm), fruit yield/plant (916.33 g), fruit yield/ha (33.93 tonnes) and benefit cost ratio (3.63).

**KEY WORDS :** Sweet pepper, Plant density, Growth, Yield, Quality

**HOW TO CITE THIS ARTICLE :** Choudhary, M.L., Singh, S.K. and Prasad, V.M. (2014). Effect of spacing on growth and reproductive parameters of different cultivars of sweet pepper. *Asian J. Hort.*, 9(1) : 89-93.