



## Research Paper

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## Evaluation trial of bottle gourd

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**ABSTRACT :** The present study entitled evaluation trial of bottle gourd was carried out at Experimental Farm of the Department of Horticulture, Sam Higginbottom Institute of Agriculture, Technology and Sciences, Allahabad, during *Zaid* season of 2009-2010. The experiment was laid out in Randomized Block Design comprised of eight treatment combinations of different genotypes of bottlegourd viz., T<sub>1</sub>: Damini, T<sub>2</sub>: Prasad (NBGH-4000), T<sub>3</sub>: Anmol, T<sub>4</sub>: Anokhi, T<sub>5</sub>: Virat (NBGH-168), T<sub>6</sub>: US-15, T<sub>7</sub>: Local round, T<sub>8</sub>: Local long. Among all the treatment combinations, treatment T<sub>5</sub>: Virat recorded best in terms of days to first male flower anthesis (43.09), days to first female flower anthesis (44.21), days to first harvest (51.14), fruit length (37.04 cm), number of fruits per plant (9.55), fruit weight (1295.03 g), fruit yield (617.14 q/ha), seed pulp ratio (14.50), net income (Rs.471074.24) and cost benefit ratio (1:4.23). Treatment T<sub>8</sub> performed best in case of number of nodes to first male flower appearance (16.38) and number of nodes to first male flower appearance (17.49) Treatment T<sub>5</sub> produced maximum flower, fruit yield and most economics, therefore, can be recommended to farmer for commercial cultivation.

**KEY WORDS :** Bottle gourd, Genotypes

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