

## **To study the effect of different organic sources on vegetative growth, yield attributes and cost benefit ratio of Cape Gooseberry (*Physalis peruviana* L.)**

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**ABSTRACT :** A field experiment was conducted to study the effect of different organic sources on vegetative growth, yield and cost benefit ratio of cape gooseberry (*Physalis peruviana* L.) at Main Experiment Station, Department of Horticulture, N.D.U.A.&T., Kumarganj, Faizabad (U.P.) during the year 2014-15. The experiment was conducted using Randomized Block Design with three replication. Variety Aligarh was selected for the study. Experiment comprised of 8 treatment combination viz.: Control (T<sub>1</sub>), FYM @ 10 tons/ha (T<sub>2</sub>), Vermicompost @3.0 tons/ha (T<sub>3</sub>), Pressmud @10 tons/ha (T<sub>4</sub>), Biofertilizer (PSB) @10kg/ha (T<sub>5</sub>), FYM @ 10 tons/ha +PSB @ 10 kg/ha (T<sub>6</sub>), Vermicompost @ 3.0 tons/ha+PSB @ 10 kg/ha (T<sub>7</sub>) and Pressmud @ 10 tons/ha+PSB @ 10 kg/ha (T<sub>8</sub>). The result showed positive effect of @ 3.0 tons/ha+PSB @10 kg/ha in respect of plant height (106.47) cm, number of branches per plant (17.40), plant spread (72.43) cm, maximum days taken to flowering (107.20), days taken to fruiting (121.97), number of fruit per plant (22.67) and maximum fruit yield (9.80) per ha followed by Vermicompost @ 3.0 tons/ha.

**Key Words :** Cape gooseberry (*Physalis peruviana* L.), vermicompost, pressmud, biofertilizer, vegetative growth, yield attributes, cost benefit ratio.