

## **Effect of organic manure and inorganic fertilizers on growth establishment and percentage of survival of Sweet orange (*Citrus sinensis* Osbeck) grafted plants**

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**ABSTRACT:** The present investigation, effect of organic manure and inorganic fertilizers on growth establishment and percentage of survival of Sweet orange (*Citrus sinensis* Osbeck) grafted plants, was undertaken at Department of Horticulture, Sam Higginbottom Institute of Agriculture, Technology and Sciences, Allahabad (U.P.) , India during 2013-14. The results showed that significant effect on maximum plant height (62.55 cm), number of branches (9.22), number of leaves per plant (49.10), petiole length (1.90 cm), plant girth (8.53 cm), plant percentage (100%), and minimum dead plant percentage (00%) was recorded with treatment T<sub>12</sub> (FYM 8 kg/plant + Nitrogen 120 g/plant + Phosphorus 45 g/plant + Potash 45 g/plant) under Allahabad agro climatic conditions.

**Key Words:** Organic manure, inorganic fertilizers and Sweet orange grafted plants.