

Effect of nitrogen, phosphorus and potassium growth, establishment and survival percentage of mango (*Mangifera indica* L.) saplings cv. Dashehari in Allahabad agro climatic condition

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ABSTRACT : A field experiment was carried out at Horticulture Research Farm, Department of Horticulture, Allahabad School of Agriculture, Sam Higginbottom Institute of Agriculture, Technology & Sciences, Allahabad (U.P.) during September 2015 to January 2016. The experiment was laid out in randomized block design (RBD) with 12 treatments and each replicated thrice. The treatment T₈ (Nitrogen 78.84 g/plant, Phosphorus 19.44 g/plant and potassium 73.44 g/plant) was found to be the most suitable in terms of maximum plant height (84.27cm), maximum number of leaves (20.17), maximum leaf area (53.02cm²), maximum internodes length (4.58 cm) and maximum Stem girth (0.94cm). Among the various treatments T₀ (control) recorded the lowest on observation of different parameters, while in terms of survival percentage of the plant, various treatments had significant effect on the plant.

Key Words: *Mangifera indica*, N, P, K, growth, establishment, survival percentage.