



RESEARCH PAPER

Effect of organic manures and inorganic fertilizers on growth parameters in *Tinda* (*Praecitrullus fistulosus*)

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Abstract : A field experiment was conducted to study the effect of organic manures and inorganic fertilizers on growth parameters in *Tinda*. There were 13 treatments comprised of organic manures viz., FYM (25 t ha⁻¹), vermicompost (2.5 t ha⁻¹), neemcake (1000 kg ha⁻¹), *Azospirillum* and *Phosphobacteria* (2 kg ha⁻¹) along with recommended dose of inorganic fertilizers @ 50:20:20kg NPK ha⁻¹. The experiment was laid out in a Randomized Block Design with three replications. The study revealed that 75 per cent of NPK along with vermicompost @ 2.5 t ha⁻¹ combined with *Azospirillum* and *Phosphobacteria* @ 2 kg ha⁻¹ recorded the highest vine length (207.22cm), number of laterals (18.96) and leaf area (110.86 cm²).

Key Words : *Tinda*, Vermicompost, *Azospirillum*, *Phosphobacteria*, NPK, Growth

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