

EFFECT OF ORGANIC MANURES AND INORGANIC FERTILIZERS ON PLANT YIELD AND ECONOMICS INDETERMINATE TOMATO

(*SOLANUM LYCOPERSICUM.L*) HY.GS - 600

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ABSTRACT

Present study was carried out the effect of different sources of organic manures along with various levels of inorganic fertilizers on yield and economics improvement of indeterminate tomato (*Solanum lycopersicum.L.*) hy. GS - 600. It is one of the commercial high value crops in our country. Tomato crop requires a balanced fertilizer management without which growth and development of the crop will be impaired leading to substantial reduction not only in yield but also in the market appeal of the produce namely the yield and economics of the indeterminate tomato. Hence, the study was conducted to evaluate the effect of organic and inorganic fertilizers on yield and economics of indeterminate tomato plants. From the study, it was found that yield and economics attributes of indeterminate tomato were significantly influenced by different treatment combinations. Among over all other treatment combinations, application of 50% RDF + 12 t FYM Ha⁻¹ was superior in increasing the yield T₇ (147.61 t/ha) characters and economics of maximum benefit: cost ratio was recorded in T₇ with (3.65:1) indeterminate tomato (*Solanum lycopersicum. L.*) hy.GS - 600.

KEYWORDS: Indeterminate Tomato Hy.GS -600, Organic Manures and Inorganic Fertilizers, Plant Yield and Economics