

Effect of organic manures and inorganic fertilizers on fruit quality characters and shelf life indeterminate tomato (*Solanum lycopersicum* L.) hy. GS-600

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ABSTRACT : The present investigation was carried out to find out the effect of different treatment combinations of organic manures along with various levels of inorganic fertilizers on quality characters and shelf life improvement of indeterminate tomato (*Solanum lycopersicum* L.) hy.GS-600. The results revealed that the T₇ (50% RDF + 12 t FYM/ha) was recorded maximum amount of total soluble solids found (4.19 °Brix), Juiciness (97.10%), ascorbic acid (17.01 mg/100g), titrable acidity (1.08%) and shelf life (18.39 days) resulted better use of chemical fertilizers and organic manures for obtaining sustainable crop production, better nutrient availability and efficient nutrient use and quality and shelf life of the fruit.

Key Words: Indeterminate tomato hy.GS -600, fruit quality characters and shelf life.