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**EFFECT OF INORGANIC FERTILIZERS, ORGANIC MANURE AND THEIR
TIME OF APPLICATION ON FRUIT PRODUCTION AND FRUIT QUALITY IN
MANGO CV. DUSHEHARI**

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ABSTRACT

This experiment was conducted at Punjab Agricultural University, Regional Fruit Research Station, Bahadurgarh (Patiala), Punjab (India) on 15-year-old trees planted at 10x 10 m. To study the effect of different levels of inorganic fertilizers, organic manure and their time of application on yield and quality of mango fruit Cv. Dushehari. There were ten treatments for this research experiment that includes T₁: FYM 100kg (End December), T₂: FYM 50Kg + N 500g P₂O₅ 500g + K₂O 500g (End December), T₃: N 1000g + P₂O₅ 1000g + K₂O 1000g (End December), T₄: FYM 100kg (Early July), T₅: FYM 50 Kg + N 500g + P₂O₅ 500g + K₂O 500g (Early July), T₆: N 1000g + P₂O₅ 1000g + K₂O 1000g (Early July), T₇: FYM 100kg (End September), T₈: FYM 50 Kg + N 500g + P₂O₅ 500g + K₂O 500g (End September), T₉: N 1000g + P₂O₅ 1000g + K₂O 1000g (End September) and T₁₀: Control. These treatments were replicated thrice in randomized block design. The result of this experiment shows that maximum fruit yield 66.85 kg per tree and maximum number of fruits (347 per tree) was obtained with the application of 50 Kg farm yard manure along with 500 grams each of nitrogen, phosphorus and potassium per tree in the month of September before flower bud differentiation.