SHORT COMMUNICATION

INFLUENCE OF CHEMICAL FERTILIZERS AND ORGANICS ON GROWTH, FLOWERING, FRUIT YIELD AND QUALITY OF GUAVA (PSIDIUM GUAJAVA L.) CV L-49 UNDER CHHATTISGARH PLAINS

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Abstract: A field experiment was carried out during the year 2013-14 for Mrig bharah crop of guava at Horticulture Research Farm of Indira Gandhi Krishi Vishwavidyalaya, Raipur (C.G.) to studies on Influence of chemical fertilizer and organics on growth, flowering, fruit yield and quality of guava (Psidium guajava L.) cv. L-49 under Chhattisgarh plains”. The experiment was laid out in Randomized Block Design (RBD) with four replications and twelve treatments. Treatment of 75% RDF+ Cowdung Slurry (T2) resulted significantly maximum tree height (5.27 m), East West tree spread (7.04 m), North South tree spread (7.34 m) at harvesting stage, minimum number of days for flowering (33.51 days), maximum number of flowers per m² (17.62) and number of fruits per m² (14.50), fruit set per m² (90.18%) and fruit retention (93.11%), fruit diameter (9.54 cm), fruit weight (205.41 g) and pulp weight (198.17 g), yield attributing characters, number of fruits per tree (250.57), fruit yield per tree (54.66 kg) and per hectare (14.31 t ha⁻¹).

Keywords: Organics, Chemical Fertilizers, Growth, Yield, Quality, Guava

REFERENCES


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