



RESEARCH PAPER

Effect of INM and training on yield and yield attributes of tomato (*Lycopersicon esculentum* Mill.) under protected cultivation

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Abstract : The greenhouse experiment was conducted at Hi-tech Horticulture Park, college of Horticulture, Junagadh Agricultural University, Junagadh during the year 2021-22 to 2022-23 to study the effect of INM and training on yield and yield attributes of tomato (*Lycopersicon esculentum* Mill.) under protected cultivation. The experiment was laid out Completely Randomized Design with factorial concept replicated thrice having two factor viz., fertilizer level and training level. Among different treatment, The maximum number of fruits per cluster, number of fruits per plant, fruit weight, fruit volume, pericarp thickness, fruit length, fruit girth and equatorial diameter of fruit were found significantly superior in treatment 75 % RDF + 10 t/ha FYM + 2 t/ha *Neem* cake + bio-fertilizer (each 3 kg/ha) + *Panchgavya* 3 %. In case of training the maximum fruit weight, fruit volume, pericarp thickness, fruit length, fruit girth and equatorial diameter of fruit were observed in plant trained under single stem. Whereas, the maximum number of fruits per cluster and number of fruits per plant and fruit yield per 1000 m² were found in plant trained under two stem.

Key Words : INM, Training, Yield, Yield attributes, Protected cultivation

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