



Influence of integrated nutrient management on growth and yield of cauliflower (*Brassica oleracea* var. *botrytis* L.) cv. NHB-1012

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Abstract : The field experiment was laid out at Horticulture Research Farm of Gochar Mahavidyalaya, Rampur Maniharan, Saharanpur (Uttar Pradesh) during 2011-2012. The eleven treatments, T₁ -Recommended dose of NPK/ha (120 kg:80 kg:60 kg), T₂ -Half dose of NPK/ha + FYM @ 15 tonnes/ha, T₃ -Half dose of NPK/ha + *Azospirillum* @ 5 kg/ha, T₄ - Half dose of NPK/ha + FYM @ 15 tonnes/ha + *Azospirillum* @ 5 kg/ha, T₅ - Half dose of NPK/ha + VAM @ 5 kg/ha, T₆ - Half dose of NPK/ha + FYM @ 15 tonnes/ha + VAM @ 5 kg/ha, T₇ - Half dose of NPK/ha + FYM @ 15 tonnes/ha + *Azospirillum* @ 5 kg/ha + VAM @ 5 kg/ha, T₈ - Half dose of NPK/ha + Vermicompost @ 2.5 tonnes/ha, T₉ - Half dose of NPK/ha + vermicompost @ 2.5 tonnes/ha + *Azospirillum* @ 5 kg/ha, T₁₀ - Half dose of NPK/ha + vermicompost @ 2.5 tonnes/ha + VAM @ 5 kg/ha, T₁₁ - Half dose of NPK/ha + vermicompost @ 2.5 tonnes/ha + *Azospirillum* @ 5 kg/ha + VAM @ 5 kg/ha were evaluated in Randomized Block Design with the three replication. The treatment T₁₁ registered significantly higher value plant height (62.02cm), number of leaves/plant (25.67), width of leaf (25.53cm), length of stalk (12.08cm), spread of the plant (64.38cm), diameter of curd (19.20cm), weight of curd (953.31g), yield of curd (267.30q/ha) as compared to rest of the treatments.

Key Words : Cauliflower, NPK, FYM, *Azospirillum*, VAM, Vermicompost

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