



RESEARCH PAPER

Influence of different organic source on growth, yield and quality parameters of green gram varieties

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Abstract : The present investigation aimed to find out The present investigation aimed to find out the “Influence of different organic source on growth, yield and quality parameters of green gram varieties” was carried out at Agronomy Research Farm of Mewar University, Gangrar, Chittorgarh, Rajasthan during summer season of 2024. The experiment was laid out in Factorial Randomized Block Design. Replicated thrice with 12 treatment combinations, comprising level of deferent varieties and organic sources viz., Factor A is three level, V₁ - Pusa Baisakhi, V₂ -Shikha and V₃ -MH 421, Factor B is four level, O₁ -Cow urine @ 10% through spray, O₂ -Panchagavya @ 10 % through spray, O₃ -Vermiwash @ 10% through spray, O₄ -Jeevamrit @ 10 % through spray. Pusa Baisakhi has been maximum growth, yield and quality of green gram. The maximum plant height (32.98, 43.03 and 49.45 cm), number of branches significantly at 30, 45 DAS and at harvest, the highest grain yield (0.651 kg/ plot), higher seed yield (1085.42 kg/ha), higher protein content (25.88) and maximum chlorophyll content at 45 DAS (mg g⁻¹) (1.12 mg g⁻¹). The application of organic sources was found most effective improve growth yield and quality parameter like maximum plant height (33.63, 43.92 and 49.99 cm), The maximum number of branches (6.50, 11.56 and 15.00) at 30, 45 DAS and at harvest, yield per plot (0.642 kg/plot), significantly highest grain yield (1070.00kg/ha highest protein content (25.10) were recorded with Vermiwash @ 10 % through spray.

Key Words : Summer green gram, Organic sources, Variety

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