



RESEARCH PAPER

Studies on effect of different organic manures and biofertilizers on plant growth, green leaf yield of fenugreek (*Trigonella foenum-graecum* L.) cv. Hisar Suvarna

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Abstract : A field experiment was laid out to study the effect of different organic manure and biofertilizers on plant growth, number of leaf per plant and green leaf production of fenugreek. Data presented table (1) the maximum plant height (15.23,35.50 and 60.50cm.) was recorded with application of 3.5 t/ha Vermicompost + *Rhizobium* + PSB at 30 DAS, 60 DAS, and at harvest respectively which was found significantly higher over rest treatment. The data further, reveals that the number of leaves per plant was recorded (20.60,69.50) at 30 DAS and 60 DAS, respectively which was found significantly higher over rest treatment. The data presented in Table (2) explicit that green leaf production in yield per plot (g) and kg per hectare was significantly influenced by different organic manures and biofertilizers. The maximum yield per plot (716.66 g), yield kg per hectare (1990.72 kg) was recorded which application of 3.5 t/ha Vermicompost + *Rhizobium* + PSB which was found significantly higher over rest treatment.

Key Words : Fenugreek, Growth, Organic manure, Biofertilizer

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