AN AJSS

An Asian Journal of Soil Science

Volume **8** | Issue 1 | June, 2013 | 80-83

Research Article

Effect of organic and inorganic source of nutrients on yield, nutrient uptake and nutrient status of soil after harvest of greengram

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Received : 04.02.2013; **Revised :** 14.03.2013; **Accepted :** 15.04.2013

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Summary

An experiment was conducted at Swami Keshwanand Rajasthan Agricultural University, Bikaner on greengram during summer season of 2004.The result showed that inorganic source of nutrients as NPK 100 % of recommended dose and organic sources FYM 10 t ha^{-1} and vermicompost 5 t ha^{-1} significantly enhanced yield attributes, yields, nitrogen, phosphorus, potassium content in seed, straw, total uptake of nitrogen, phosphorus and potassium of greengram and residual soil NPK, zink and iron after harvesting of greengram over control and lower levels of inorganic and organic sources of nutrient. Organic carbon of soil after harvest of the greengram significantly increased up to 125 % NPK of recommended dose, FYM up to 20 t ha^{-1} and vermicompost up to 10 t ha^{-1} over control and their preceding levels.

Key words : FYM, Greengram, Nutrient, Organic carbon, Vermicompost, Yield

How to cite this article : Meena, Ram Swaroop, Ramawatar, Kamalesh, Meena Vijay Singh and Ram Kalu (2013). Effect of organic and inorganic source of nutrients on yield, nutrient uptake and nutrient status of soil after harvest of greengram. *Asian J. Soil Sci.*, **8**(1): 80-83.