

Research Article

Effect of vermicompost and inorganic fertilizers on Indian mustard (*Brassica juncea* L.)

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Summary

A field experiment was carried out during *Rabi*, season 2009-10 on Indian mustard (*Brassica juncea* L.) at Agronomy Farm, College of Agriculture, Swami Keshwanand Rajasthan Agricultural University, Bikaner. Application of vermicompost up to 6 t/ha and 80 kg N/ha+ 40 kg P₂O₅/ha significantly increased the growth parameters, yield attributes, yields, nutrient content, nutrient uptake in seed, straw and total nitrogen and phosphorus uptake and protein content and observed that available nitrogen, phosphorus and potassium of soil after harvest of mustard were significant higher than over control and lower levels. The combined effect of vermicompost x inorganic fertilizer was found significant pertaining to seed yield, N content and uptake in seed, P uptake in stover and protein content in seed.

Key words : Mustard, Nitrogen, Nutrient uptake, Vermicompost, Yield

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