Response of oilseed crops to enriched and vermicompost on Vertic ustochrept under rain fed conditions

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ABSTRACT
A field experiment was conducted for successive six years (2001 to 2006) at Dry farming Research Station, Tarughadia (Gujarat) to study the response of oilseed crops (soybean, groundnut, sesame) to enriched and vermicompost on Vertic Ustochrept under rainfed conditions. There were four treatments comprised enriched compost @ 6 t/ha, 50 % RDF + 1 t/ha vermicompost, vermicompost @ 2t/ha and 100 % RDF for respective crop. Maximum yield of soybean and groundnut were recorded with enriched compost @ 6 t/ha and that for sesame under 100 % RDF. The application of enriched compost @ 6 t/ha was proved better for obtaining maximum uptake of N, P and K by soybean as well as groundnut and P and K uptake by sesame. Treatments involving enriched compost or vermicompost found beneficial in respect to availability of various nutrients at harvest.

Key words: Enriched and vermi compost, Oil seed crops, Soil fertility