

# PRODUCTIVITY ENHANCEMENT OF SOYBEAN (*GLYSINE MAX.*) THROUGH INTEGRATED NUTRIENT MANAGEMENT IN HADOTI REGION OF RAJASTHAN

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**Abstract:** Among the factors responsible for low productivity of soybean, inadequate fertilizer use and emergence of nutrient deficiencies due to poor recycling of organic sources are important. To enhance the productivity of soybean integrated nutrient management package incorporating vermicompost was evaluated at farmers' field. Results of study revealed that application of 50% N by vermicompost +rest N, P and K of RDF by inorganic fertilizer gave significantly higher seed yield (15.85 q/ha) and net return (Rs 20,196 / ha) which was 17.41% and 26.08% higher, respectively over farmer practice and were at par with RDF owing to the integration of vermicompost.

**Keywords:** Soybean, Productivity, integrated nutrient management, vermicompost

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