

## RESEARCH ARTICLE

# Relative efficiency of production factors on productivity and profitability of castor (*Ricinus communis* L.) under irrigated conditions of Uttar Pradesh

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### SUMMARY

Field experiment conducted at Kanpur (U.P.) during *Kharif* 2007- 08 and 2008-09 to assess the performance of production factors in reference to seed yield and economics of castor under irrigated conditions revealed that adoption of full package (fertilizer+weeding + plant protection) resulted in significantly higher seed yield than rest of the treatments. Although deletion of any production factor from whole package caused significant reduction in seed yield but weeding and fertilizer were found more critical than plant protection. Deletion of weeding and fertilizer either alone or in combination with each other indicated drastic reduction in seed yield and non-adoption of plant protection + fertilizer + weeding recorded significantly lowest seed yield during both the years. Non-adoption of these production factors either alone or in conjunction had deleterious effect on economic returns.

**Key Words :** Irrigated conditions, Whole package, Drastic reduction, Economic returns

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