

EVALUATION OF FRONTLINE DEMONSTRATION OF LENTIL (*LENS CULINARIS* L.) IN SOUTH EASTERN PLAIN ZONE OF RAJASTHAN

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Abstract : Studies were undertaken in agro-climatic zone-V (Humid South Eastern Plain) of Rajasthan situated in between 25°45' and 26°33' N latitudes and 75°27' and 77°26' E longitude at an altitude of 273 m from mean sea level, to evaluate the yield and economic feasibility of improved technology transfer in lentil through front line demonstrations conducted during 2007-08 to 2009-10. Adoption of improved technology had significant impact on seed yield and economic return in lentil. Improved technology enhanced lentil seed yield from 775 kg/ha (farmers' practice) to 999 kg/ha (improved technology), an overall increase of 28.81 %. Among the critical inputs, weed management ranked first (38.45 %), followed by varietal improvement (29.16 %), whole package technology (24.70 %) and nutrient management (23.64 %). The comparative profitability due to improved technology was fetched higher to the tune of Rs. 4896/ha over farmers' practice. The benefit: cost ratio was also higher and recorded 2.04 compared to the farmers' practice. Thus, to further bridge up the gap between technologies developed and technology transferred, there is need to strengthen the extension network besides emphasis on specific local recommendation.

Keywords : Improved technology, Front line demonstration, Lentil, Net return, B: C ratio

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