



Research Article

Analysing yield gap and economics of black gram through front line demonstrations in Mandsaur district of Madhya Pradesh

■ **H.P. SINGH, S.R.K. SINGH, B.S. GUPTA, G.S. CHUNDAWAT, DURGA SINGH AND S.P. TRIPATHI**

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SUMMARY : This study was undertaken in Mandsaur district, situated in Malwa plateau semi-arid region of Western Madhya Pradesh. Total 65 front line demonstrations were conducted during 2007-08 to 2011-12 in *Kharif* season. During these five years (2007-2011), 26 hectares under black gram were demonstrated with improved management practices using improved varieties. Total 65 farmers were closely associated with black gram demonstrations. During five consecutive years of demonstration it was observed that the demonstration plots were always the higher yielder as compared to the plots maintained by the farmers on their own. On an average, there was an appreciable increase in yield level 21.80 to 40.00 per cent in black gram under demonstration plots. Adoption of improved technology had significant impact on seed yield *vis-à-vis* yield gaps in black gram. Improved technology enhanced black gram yield from 174 kg to 440 kg/ha compared to farmers practice with an overall increase yield of 33.60 per cent.

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Author for correspondence :

H.P. SINGH

Krishi Vigyan Kendra,
MANDSAUR (M.P.) INDIA
Email: hpmds@
rediffmail.com

See end of the article for
authors' affiliations