



RESEARCH PAPER

Impact of frontline demonstration on green gram yield through improved technologies in Gwalior district of Madhya Pradesh

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Abstract : The present study was conducted in Gwalior district of Madhya Pradesh during 2007-08 to 2011-12 in 25.20 ha of land with 63 frontline demonstrations have been conducted in Nikodi, Udaipur, Sirol, Bhadrauli, Hiri villages of Gwalior in sandy loam to clay loam soils with the active participation of farmers with the objective to demonstrate the improved technologies of green gram. The improved technologies of green gram consisted of use of improved varieties, seed treatment with Rhizobium culture and PSB (Phosphate soluble bacteria), balance dose of fertilizers, YVM resistance varieties, integrated pest and diseases management and integrated weed management. The average yield of green gram in frontline demonstration recorded higher (9.65q/ ha) as compared to farmers practice (6.75 q/ha). The average increased in the demonstration yield over farmer's practice was 42.96 per cent. The technology gap, extension gap and technology index were recorded 2.59 q/ha, 2.23 q/ha and 25.94 per cent, respectively. Improved technologies gave higher net return (Rs. 17685 per ha) with a benefit cost ratio 2.73 as compared to farmers practice (Rs.11463 / ha) benefit cost ratio 2.14.

Key Words : Frontline demonstration, Green gram, Technology gap, Extension gap, Technology index, BC ratio

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