



Research Article

Evaluation of front line demonstration on rice (Manaswini)

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SUMMARY : The study was carried out through front line demonstrations during *Kharif* season of 2012 and 2013 in two adopted villages of Angul district in Odisha on farmers field with the active participation of farmers with an objective to evaluate the performances of improved technology of HYV rice Manaswini as compared to the local check (MTU 1001). The HYV Manaswini recorded higher plant height (116.3 cm), effective tillers (13.6), length of panicle (24.9 cm), grains panicle⁻¹ (228.5) and test weight (23.4 g) than the local check. The same also recorded grain yield 46.80 q ha⁻¹ which was 21.7 per cent higher yield than local check (MTU 1001) with harvest index of 47.3 per cent over the years of study. In spite of increase in yield of improved technology the technological gap, extension gap and technology index existed which was 27.20 q ha⁻¹, 8.35 q ha⁻¹ and 36.8 per cent, respectively. The improved technology of HYV Manaswini gave higher gross return of Rs. 65192 ha⁻¹ with a benefit cost ratio of 1.48 and additional net return of Rs.8359 ha⁻¹ as compared to local check. Hence, the existing high yielding rice variety MTU 1001 can be replaced by HYV Manaswini since it fits to the existing farming situation for higher productivity and income.

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