

Maximization of productivity for rice (*Oryza sativa*) through improved technologies in farmer's fields

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ABSTRACT : The front line demonstrations were conducted on farmer's field at Umaria district during *kharif* season of 2008 and 2009 at three different locations under real farm situations, prevailing farmers practices were treated as control for the comparison with recommended practice. The result of front line demonstration showed a greater impact on farmers due to significant increase in crop yield, higher than farmers practice. The economics and benefit cost ratio of both farmers practice and recommended practice, plots were worked out. An average of Rs 29570/ha net returns was recorded under recommended practice while it was Rs. 13618/ha under farmers practice. Benefit cost ratio was 2.98 under recommended practice, while it was 1.96 under farmers practice. By incorporating proven technologies of rice, yield potential and net income from rice cultivation can be enhanced to a great extent with increase in the income level of the farming community of the district.

Key Words: Front line demonstration, rice, PS-5, yield, BC ratio.