

# Optimization of productivity of rice for upliftment of socio-economic condition of poor and marginal women farmers through quality seed production

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## SUMMARY

Rice is important crop and staple food. For enhancing the yield with the help of quality seed, demonstrations were conducted at Hathband village of Raipur and Arasnara, Ghursena and Temri villages of Durg district during *Kharif* 2010 and 2011. A total of 145 women farmers participated in the quality seed production of different varieties of rice. In these demonstrations, foundation, certified seed and TL seeds of rice varieties were distributed to the women farmers of Raipur and Durg districts. By using quality seed, mean yield of rice was recorded 18.13 q/acre which was 36.11% higher than the farmers mean yield (13.7 q/acre) using local seed with an economic advantage of Rs. 4721/acre during *Kharif* 2010 and in 2011 the mean yield was recorded 19.38 q/acre which was 18.45% higher than the farmers mean yield (15.75 q/acre) using local seed with economic advantage of Rs. 3917/acre. Technology gap was of 4.42 q/acre during *Kharif* 2010 and 3.46 q/acre in 2011 which show that the gap reduced subsequently. Yield was increased by using quality seed which helped to farmer for improvement of their livelihood.

**Key Words :** Rice, Quality seed, Front line demonstration, Productivity, Economic advantage

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