

EFFECT OF PLANTING GEOMETRY AND SEEDLING DENSITY ON GROWTH AND YIELD OF SCENTED RICE UNDER SRI BASED CULTIVATION PRACTICES

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Abstract: The experiment was carried out at Research Cum Instructional Farm of the Indira Gandhi Krishi Vishwavidyalaya, Raipur (C.G.) during *kharif* season 2012. The treatment 25 cm X 25 cm with 2-3 seedlings (T₂) produced the significantly highest grain yield (38.20 q ha⁻¹) and straw yield (77.91 q ha⁻¹). However, few treatments were found at par, but on the basis of economics the same treatment was produced the highest net return (Rs. 59,426 ha⁻¹) and B:C ratio (2.4). The lowest net return (Rs. 41,894 ha⁻¹) B:C ratio (1.7) and maximum cost of cultivation (Rs. 25,305 ha⁻¹) were found with 20 cm x 10 cm + S₂₋₃ (T₁₄).

Keywords: Growth, Scented rice, SRI Based, Spacing

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