

GROWTH AND YIELD OF SHORT SLENDER AROMATIC RICE (*ORYZA SATIVA* L.) VARIETIES AS INFLUENCED BY INTEGRATED NUTRIENT MANAGEMENT

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Abstract: An experiment was conducted during the *kharif* season of 2009 at Instructional Cum Research Farm of Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh. The result of the experiment revealed that between two varieties, Badshah Bhog was found to produce higher growth, yield attributing characters, yield and B:C ratio as compared to Gopal Bhog. For quality production of scented rice varieties, application of only organic nutrients *i.e.* 20 t FYM ha⁻¹(T₁) was found superior than other integrated nutrient management treatments. As regards to the effect of different integrated nutrient management, the results revealed that various growth parameters and yield attributing characters were recorded highest with the application of 50:50:60 kg NPK ha⁻¹ with blending of N and P through FYM (T₆) which also gave the highest yield and economic return.

Keywords: FYM, Inorganic fertilizer, Poultry manures, Scented rice, Vermicompost

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