

WEED STUDIES, PRODUCTIVITY AND ECONOMICS OF EARLY DURATION, MEDIUM DURATION AND HYBRID RICE ON *INCEPTISOLS* IN CHHATTISGARH

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Abstract : The present investigation was conducted under irrigated condition during 2009-10 at Indira Gandhi Krishi Vishwavidyalaya, Raipur under All India Coordinated Research Project on Integrated Farming Systems with eight treatments. T₂ was highly infested by weed at 30 DAT (119 m⁻²) followed by T₃ (116.67 m⁻²). At 60 DAT, 'Mahamaya' and 'Indira Sona' were comparatively more infested by weeds to that of early maturing MTU-1010. The maximum grain yield of rice (49.90 q ha⁻¹) was recorded under T₄ treatment. The maximum straw yield (67.09 q ha⁻¹) was recorded in T₄. The maximum net return (Rs 34,704 ha⁻¹) was obtained from early duration rice 'MTU-1010' in T₃. The maximum B: C ratio (2.01) was recorded in T₃ followed by T₂ (1.97).

Keywords : Economics, Productivity, Weed studies, Yield attributes, Hybrid rice

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