PERFORMANCE OF COMBINATION OF HERBICIDES ON GROWTH FACTORS, YIELD AND ENERGETICS OF TRANSPLANTED RICE (*ORYZA SATIVA* L.)

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Abstract: A field experiment was carried out during Kharif 2013-2014 at the Instructional-Cum Research Farm, Indira Gandhi Krishi Vishwavidyalaya, Raipur (C.G.). The soil of the experimental field was sandy loam in texture. The soil was neutral in pH low in low in nitrogen, medium in phosphorus and potassium content. The experiment was laid out in randomized block design, comprising three replications and twelve treatments. The results revealed that hand weeding at 25 and 45 DAT registered maximum growth characters of rice like dry matter, number of tillers hill⁻¹, yield and energetics. It was followed by treatments bispyribac-Na + (chlorimuron-ethyl+ metsulfuron-methyl) @ 20 + 4 g ha⁻¹ at 25 DAT (T₅) and bispyribac-Na+ ethoxysulfuron @ 25 + 18.75 g ha⁻¹ at 25 DAT (T₄) and minimum was observed under weedy check (T₁₂).

Keywords: Ethoxysulfuron, Number of tillers, Transplanted rice, Grain yield, Energetics

REFERENCES


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