

ECONOMIC ANALYSIS OF WEED CONTROL IN RICE CROP [*ORYZA SATIVA* L.]

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Abstract: Rice (*Oryza sativa* L.) is a plant belongs to the family of Gramineae (Poaceae) is one of the predominated food crop of the world. Data on weeds (viz., flora, density and dry weight), data on growth parameters, yield attributes (effective tiller/hill, length of panicle/hill, grains/panicle, filled grains/panicle, chaffy grains/panicle, test weight. were taken. Finally, LAI, CGR, RGR, NAR, grain yield, Straw yield, WI, WCE, HI and economic viability of the treatments was also determined in terms of cost of cultivation, GMRs, NMRs and B: C ratio on/hectare basis. Data pertaining to various parameters were tabulated and subjected to statistical analysis for interpretation of results. The results thus obtained are summarized as under. The B:C ratio were the highest under BIL007 (pyribenzoxim) at 35 g/ha closely followed by BIL007 (pyribenzoxim) at 30 g/ha as post emergence to rice.

Keyword: B.C. Ratio, Economic, Gross monetary returns, Net monetary returns, Rice

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