

# Response of Drum Seeded Rice to Different Pre - and Post-Emergence Herbicides

**R Naseeruddin, D Subramanyam and Y Reddi Ramu**

Department of Agronomy, SV Agricultural College, Tirupati 517 502

## ABSTRACT

A field experiment was conducted during *kharif*, 2012 at S.V. Agricultural College Farm, Tirupati to identify the effective and economic weed management practices for the control of weeds in drum seeded rice. Among the sequential application of pre- and post-emergence herbicides including mechanical weeding with two row power weeder, pre-emergence application of oxadiargyl 75 g *a.i* ha<sup>-1</sup> at 7 DAS followed by azimsulfuron 30 g *a.i* ha<sup>-1</sup> applied at 40 DAS resulted in the highest growth parameters *viz.*, plant height, number of tillers m<sup>-2</sup>, leaf area index and dry matter production and the highest grain yield (5.75 t ha<sup>-1</sup>) including maximum benefit : cost ratio (3.30) due to effective control of weeds throughout crop growing period.

**Key words :** Drum seeded rice, Herbicides, Weed Management, Yield.