

Studies on Nutrient Uptake by Weeds as influenced by Different Weed Management Practices in Direct Sown Rice

B Jyothi Basu, P V N Prasad, V R K Murthy, Y Ashoka Rani and P R K Prasad

Department of Agronomy, Agricultural College, ANGRAU, Bapatla

ABSTRACT

The experiment was conducted under field conditions at Agricultural College farm, Bapatla, Guntur, Andhra Pradesh during *Kharif* 2015–2016 and 2016–2017 to assess the effect of sequential application of herbicides in direct sown rice. The experiment was laid out in complete randomized block design with three replications. The pre emergence application of bensulfuron methyl @ 60 g a.i. ha⁻¹ + pretilachlor with safener at 500 g a.i. ha⁻¹ *fb* post emergence application of azimsulfuron @ 20 g a.i. ha⁻¹ at 25 DAS *fb* post emergence application of metsulfuron methyl and chlorimuron ethyl @ 4 g a.i. ha⁻¹ applied at 45 DAS recorded lower uptake of Nitrogen, Phosphorous and Potassium by weeds and significantly the highest uptake was noticed in weed check plot.

Keywords: *Direct sown rice, Nitrogen, Phosphorus, Potassium, Uptake and Weed management.*