

## **Efficacy of certain Herbicidal combinations in *Rabi* Blackgram**

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### **ABSTRACT**

A field experiment was conducted during *rabi*2016 at Regional Agricultural Research Station, Lam, Guntur, Andhra Pradesh to evaluate the efficacy of herbicides. The pre emergence application of pendimethalin @ 0.75 kg ha<sup>-1</sup> followed by intercultivation at 20 DAS and hand weeding at 30DAS significantly reduced the weed growth and recorded the higher yield components and seed yield over sequential application of herbicides as pre and post emergence. Among herbicide treatments, pre emergence application of pendimethalin @ 0.75 kg ha<sup>-1</sup> followed by post emergence application of imazethapyr @ 50g ha<sup>-1</sup> recorded the highest seed yield. Highest benefit cost ratio was obtained with pendimethalin @ 0.75 kg ha<sup>-1</sup> followed by post emergence application of imazethapyr @ 50g ha<sup>-1</sup> closely followed by pendimethalin @ 0.75 kg ha<sup>-1</sup> fb acifluorfen + clodinafop propargyl @ 124 + 60 g ha<sup>-1</sup> with benefit cost ratio of 4.0.