

Performance of different herbicide in weed growth of chickpea (*Cicer arietinum* L.)

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ABSTRACT

An experiment was conducted during winter (*Rabi*) seasons of 2005-06 and 2006-07 to study the response of weeds on chickpea (*cicer arietinum* L.) to various seed rate (75, 100 and 125 kg ha⁻¹), row spacing (30 and 45 cm) and weed management practices (weedy check, two hand weeding at 30 and 45 DAS, pre-emergence application of pendimethalin @ 0.5 kg a.i. ha⁻¹ with one hand weeding at 30 DAS and application of metribuzin @ 250gm a.i. ha⁻¹ with one hand weeding at 30 DAS). The combination of seed rate 100 kg ha⁻¹, row spacing 45 cm and pendimethalin @ 0.5 kg ha⁻¹+ one hand weeding at 30 DAS reduced total weed density and weed dry matter (g/m²) at various stages of crop growth during both the years.

Key words : Chickpea, Weed, Herbicide, Weed management, Metribuzin, Pendi methalin