



RESEARCH ARTICLE :

Economics of practicing integrated weed management in irrigated greengram (*Vigna radiata* L.)

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SUMMARY : A field investigation was carried out during *Rabi* seasons of 2014 at Agricultural College and Research Institute, Tamil Nadu Agricultural University, Killikulam to study the Integrated weed management in greengram (*Vigna radiata* L.) Co 6 (Gg) under irrigated condition. The treatments consisted at three different spacing viz., (25×25 cm, 30×30 cm and 30×10 cm) weed free plot and an weeded control. The results revolved that integration of chemical, mechanical and cultural methods of weed control markedly influence the yield and economics of green gram. The analysis of grain yield data revealed that pre-emergence application of pendimethalin @ 1.0 kg a.i. ha⁻¹ (3 DAS) followed by early post-emergence application of quizalofop-ethyl and imazethapyr @ 50 g a.i. ha⁻¹ (15 DAS) in 30 × 30cm higher grain yield of 1006 kg ha⁻¹ and highest benefit cost ratio, respectively.

KEY WORDS :

Greengram, PE-
Pendimethalin, EPOE-
Quizalofop-ethyl,
Imazethapyr, Rotary
weeding, Hand
weeding

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