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

T. MUTHURAM, R. KRISHNAN AND G. MURUGAN

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., (25x25 cm, 30x30 cm and 30x10 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 x 30 cm higher grain yield of 1006 kg ha\(^{-1}\) and highest benefit cost ratio, respectively.