

Efficacy of Some Newer Insecticides against Pod Borer Complex on Pigeonpea

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ABSTRACT

A field experiment was conducted at Regional Agricultural Research Station, Lam, Guntur during *Kharif* 2011 to evaluate the efficacy of some newer insecticides against pigeonpea pod borers, *Maruca vitrata*, *Helicoverpa armigera* and *Melanagromyza obtusa* on Pigeonpea. Among the treatments chlorantraniliprole (20 EC) @ 0.3 ml l⁻¹ and flubendiamide (480 SC) @ 0.2 ml l⁻¹ were found to be most effective against *H.armigera* and *M.vitrata* by recording highest per cent reduction in larval population, low per cent pod damage and higher yields (569.00 and 531.77 kg ha⁻¹ respectively) over untreated control (291 kg ha⁻¹). *M. obtusa* was effectively controlled by dimethoate 30EC @ 2 ml L⁻¹ followed by quinalphos (25 EC) @ 2 ml L⁻¹, chlorpyrifos+dichlorvos (76 EC) @ 2.5+1 ml L⁻¹ and profenophos (50 EC) @ 2 ml L⁻¹.

Key words : Insecticides, *H. armigera*, *M. obtusa*, *M. vitrata*, Pigeonpea.