

Field Reaction of Certain Pigeonpea (*Cajanus cajan* (L.) Millsp.) Genotypes to Gram Pod borer, *Helicoverpa armigera* (Hubner)

S Malathi and S Vanisree

Regional Agricultural Research Station, Warangal-506 007, Andhra Pradesh

ABSTRACT

Eight medium duration pigeonpea genotypes were screened for three years during *kharif* season of 2003, 2004 and 2005, to evaluate for their field reaction against *Helicoverpa armigera* (Hubner) at Agricultural Research Station, Warangal, Andhra Pradesh. Observations on mean oviposition, larval infestation and per cent pod damage due to *H. armigera* over three years were computed. The entry VRG-1 recorded significantly lowest oviposition (2.69 eggs plant⁻¹) followed by WRG-27 (5.15 eggs plant⁻¹), LRG-41 (5.67 eggs plant⁻¹). Significantly lowest larval load was found in VRG-1(1.31 larvae plant⁻¹), WRG-27 (1.45 larvae plant⁻¹) followed by LRG-41 (1.87 larvae plant⁻¹). Least pod damage of 7.80% was found in the entry LRG-41. The entries LRG-41, WRG-55 and WRG-27 gave higher yields of 2382, 2246 and 1808 kg ha⁻¹ respectively and were superior to the check entries ICPL-332, ICPL-84060 and ICP-8863.

Key words : *Helicoverpa armigera*, Pigeonpea, Screening