

Field Evaluation of Greengram (*Vigna radiata L.*) OVT Entries Against Major Insect Pests in kharif Season.

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ABSTRACT

Twelve greengram entries and two released varieties as check were screened for three years, 2004, 2005 & 2006 in *kharif* (June-Sept) season to know their reaction against early crop stage pests like galerucid fleabeetle⁻¹, thrips, *S. exigua* (from two leaf stage), mites, *S. litura* (vegetative) and Maruca (reproductive) at Agricultural Research Station, Madhira, Khammam district. Based on their performance over three years, all the entries found to be tolerant to fleabeetle; lesser thrips population was recorded in the entries, MGG 362 (7.8), MGG 359 (8.6) and MGG 365 (8.7). Except the entries, MGG 362 (13.6), MGG 366 (13.0) and MGG 348 (15.5), remaining entries were tolerant to mite. Heavy incidence of Maruca with 9.6-49.1% pod damage was noticed in the year 2004 but not in 2005 and 2006 rainy seasons. The entries, MGG 366 (9.6%) and MGG 364 (10.6%) found to be tolerant and the entries MGG 356 (49.1%), MGG 363(43.9%), MGG 362(42.6%), MGG361 (41.2%) MGG 357(40.5%) were highly susceptible to Maruca pod damage. Though the entry MGG 357 (570 & 659 Kg ha⁻¹) susceptible to Maruca, it recorded significantly higher yield with 13.5% avoidable losses and lower yields were recorded in entries MGG 360, MGG 363, MGG 361 and MGG 364 when compared to the check varieties MGG 295 (529 & 614) and MGG 348 (508 & 644 Kg ha⁻¹) both in un protected and protected conditions respectively.

Key words : Galerucid beetle, Greengram, Maruca, Mites, Thrips.