

Reaction of Greengram (*Vigna radiata L.*) OVT Entries Against Major Insect pests in *Rabi* Season

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ABSTRACT

Twelve OVT greengram entries and two released varieties as check were screened for three years, 2004, 2005 & 2006 in *rabi* season at Agricultural Research Station, Madhira, Khammam district for their reaction against different crop stage insect pests like galerucid / fleabeetle (*Madurasia sp*) thrips, *Spodoptera exigua* (from two leaf stage), *Spodoptera litura* (vegetative stage) and *Maruca* (reproductive stage). The data pooled over three years, revealed that the entries, MGG 295 (7.4), MGG 366 (7.8) and MGG 359 (8.3) recorded lesser fleabeetle damage. Minimum thrips population was recorded in the entries, MGG 367 (9.1), MGG 365 (9.6) and MGG 356 & 360 (10.0). *S. exigua* incidence from two leaf stage, ranged from 1.2 (MGG 357) to 2.1 (MGG 348). *S. litura* incidence was more at vegetative stage and ranged from 1.1 (MGG 362 & 364) to 1.8 (MGG 295 & MGG 348). *Maruca* pod borer infested the crop from bud initiation stage to maturity stage and its damage ranged from 11.6 (MGG 364) to 25.7% (MGG 356) and the entries, MGG 364 (11.6 %), MGG 365 (14.3%) and MGG 363 (14.6%) were found to be tolerant. The avoidable losses due to above pests were ranged from 19.6 to 36.1%. Significantly higher yields recorded in the entries MGG 360 (691 & 1009), MGG 356 (629 & 835) and MGG 357 (608 & 756), whereas the entries MGG 362 (436 & 563), MGG 361 (448 & 638) recorded lower yields when compared to the check varieties MGG 295 (504 & 712) and MGG 348 (505 & 711 Kg ha⁻¹) both in unprotected and protected conditions respectively.

Key words : Greengram, Galerucid beetle, Thrips, *Spodoptera*, *Maruca*.