Quantitative Damage Caused by Pulse Beetle, *Callosobruchus chinensis* L. on Different Pulse host-grains

M Gayatri, P V Krishnayya and T Madhumathi
Department of Entomology, Agricultural College, Bapatla 522 101, Andhra Pradesh

ABSTRACT

The quantitative losses in different pulse host-grains *viz*., bengalgram (*Cicer arietinum* L.), redgram (*Cajanus cajan* L.), blackgram (*Vigna mungo* L.), greengram (*Vigna radiata* L.) and pillipesara (*Phaseolus trilobus* L.) caused by *Callosobruchus chinensis* were estimated. The quantitative damage caused by *C. chinensis* in terms of per cent weight loss of the grain, per cent moisture gain, per cent number of grain damage and per cent weight of damaged grain increased with increase in storage period. Among all the host-grains, pillipesara has recorded significantly maximum per cent weight loss (51.55%), per cent number of grain damage (97.82%) and per cent weight of damaged grain (95.47%).The maximum per cent moisture content was also recorded in redgram (14.2%) and pillipesara (13.88%).

Key words : Bengalgram, Blackgram, *C. chinensis,* Greengram, Pillipesara, Redgram.