Population Development and Damage by Pulse Beetle, *Callosobruchus maculatus* F. on Different Pulse Host-Grains

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ABSTRACT

The population development and the damage caused by *C. maculatus* in different pulse host-grains *viz.,* greengram (*Vigna radiata* L.), blackgram (*Vigna mungo* L.), bengalgram (*Cicer arietinum* L.), redgram (*Cajanus cajan* L.), cowpea (*Vigna sinensis* L.), soybean (*Glycine max* L.), pea (*Pisum sativum* L.) and pillipesara (*Phaseolus trilobus* L.) were estimated. Among all the host-grains pillipesara has recorded significantly maximum oviposition (10.25 eggs/ 5 g grain) whereas, greengram significantly higher per cent survival (89.52 %), mean developmental period (27.32 days), index of susceptibility (6.91), per cent number of grains damaged (94.88%) and per cent weight loss of grains (74.92%) and also per cent increase in moisture (18.61%).

Key words : Bengalgram, Blackgram, Cowpea, *C. maculatus*, Greengram, Pea, Pillipesara Redgram, Soybean.