

## Effect of different chickpea varieties on development of the pulse beetle, *Callosobruchus chinensis* (L.)

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### ARTICLE INFO

**Received** : 02.02.2016

**Revised** : 03.03.2016

**Accepted** : 12.03.2016

### KEY WORDS :

Chickpea, Biology, Developmental period, *Callosobruchus chinensis* L.

### ABSTRACT

Studies conducted on growth and development of the pulse beetle, *Callosobruchus chinensis* (L.) on 11 chickpea varieties in Department of Entomology, G.B. Pant University of Agriculture and Technology Pantnagar during June- September, 2014 revealed that the fecundity of the pulse beetle female varied significantly on different chickpea varieties, minimum being on PBG 1 (59.0 eggs/100 seeds ) and maximum on PKG 1 (81.0 eggs/100 seeds). The development period for eggs (5.33-7.0 days), larva (17.0-18.67 days) and pupa (5.67-7.33 days) on different varieties did not differ significantly however, significant variation in the total development period from eggs to adult (28.67-32.33 days) was recorded in different varieties. Similarly the growth index of the pulse beetle varied significantly on various varieties (0.52-0.71). The results of study showed that the chickpea variety PKG 1 was most suitable for growth and development of the pulse beetle.

**How to view point the article :** Ahmad, Mohammad Abbas, Khan, M.S. and Agnihotri, Meena (2016). Effect of different chickpea varieties on development of the pulse beetle, *Callosobruchus chinensis* (L.). *Internat. J. Plant Protec.*, **9**(1) : 233-236.

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