

RESEARCH ARTICLE

# Evaluation of newer insecticides as fabric treatment against *Caryedon serratus* (Oliver) (Coleoptera: Bruchidae) on stored groundnut

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## ABSTRACT

Different insecticides like flubendiamide 480 SC, emamectin benzoate 5 SG, spinosad 45 SC and deltamethrin 2.8 EC were evaluated during 2010-11 at National Seed Project, University of Agricultural Sciences, Bangalore against *Caryedon serratus*, which is a pest on stored groundnut by applying insecticides on three different types of packaging materials like gunny bag, porous HDPE bag and cloth bag. Also, the influence of these insecticides on seed quality attributes particularly germination, moisture content and vigour were studied during 2010-11. However, all the insecticides were proved effective in controlling *C. serratus* without affecting the seed quality attributes, deltamethrin 2.8 EC was found to be superior over all other insecticides. Spinosad 45 SC @ 100 ppm a.i., emamectin benzoate 5 SG at 100 ppm a.i. and flubendiamide 480 SC at 100 ppm a.i. were next in the order of efficacy. Among the fabric treatments, porous HDPE bag, gunny bag and cloth bag were in the order of effectiveness.

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