

# **Efficacy of Certain Insecticides on Groundnut Pod bruchid, *Caryedon serratus* (Olivier) as Surface Spray on Jute Bags**

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## **ABSTRACT**

Efficacy of different insecticides as surface spray was studied on jute bags against *C. serratus* for six months. Deltamethrin @ 30 mg a.i./m<sup>2</sup>, malathion @ 150 mg a.i./m<sup>2</sup> and spinosad @ 100, 300 and 500 mg a.i./m<sup>2</sup> caused cent per cent mortality of *C. serratus* at 24 hours after treatment. Deltamethrin and malathion found to be effective up to 180 DAT with 56.67 and 13.33 per cent mortality. Abamectin recorded 3.33 per cent mortality of *C. serratus* at 24 HAT and the mortality increased to 16.67 and 30 per cent at 30 and 60 DAT and then decreased to 16.67 and 6.67 per cent at 90 and 120 DAT. Neem @ 0.75 ppm and 1 ppm caused 53.33 and 93.33 per cent mortality of *C. serratus* respectively at 24 hours after treatment and did not show any mortality from 30 days onwards.

**Key words :** Abamectin, *Caryedon serratus*, Deltamethrin, Malathion, Spinosad.