

RESEARCH PAPER

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Bio-efficacy of insecticides against *Conogethes punctiferalis* on castor

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ABSTRACT

Studies on bio-efficacy of insecticides against castor capsule borer, *Conogethes* (= *Dichocrocis*) *punctiferalis* Guenee on castor were carried out during *Kharif*, 2011-12. The results on efficacy of insecticides showed that chlorantraniliprole 20 SC @ 0.006 per cent and indoxacarb 14.5 SC @ 0.015 per cent were found superior and recorded 7.92 and 8.12 per cent capsule damage, respectively during spray schedule. At harvest, plots treated with chlorantraniliprole 20 SC (0.006%), indoxacarb 14.5 SC (0.015%) and emamectin benzoate 5 WG (0.002%) had found lower per cent capsules damage. Statistically higher castor seed yield was recorded in chlorantraniliprole @ 0.006% (3185 kg/ha), indoxacarb @ 0.015% (3110 kg/ha) and emamectin benzoate @ 0.002% (2760 kg/ha). However, cost benefit ratio was highest in indoxacarb 14.5 SC (1:16.62) followed by alphasmethrin 10 EC (1:15.73) and chlorantraniliprole 20 SC (1:12.02).

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