

RESEARCH ARTICLE

Efficacy of newer insecticides on sucking pests in Bt cotton under Khandesh region of Maharashtra

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ABSTRACT

The field studies on efficacy of newer insecticides on sucking pests in Bt cotton under in Khandesh region of Maharashtra, India showed that out of 9 treatments, all were significantly reduced by the test synthetic chemical insecticides in comparison with untreated control. Population of jassid, aphid, thrip was promisingly suppressed by thiamethoxam 25 WG, fipronil 80 WG, followed by fipronil 5 SC, acetamiprid 20 SP, lambdacyhalothrin 5 SC, imidacloprid and triazophos. Population of whiteflies was effectively suppressed by thiamethoxam 25 WG, acetamiprid 20 SP, fipronil 80 WG followed by fipronil 5 SC, imidacloprid 70 WG, imidacloprid 17.80 SL, lambdacyhalothrin 5 SC and triazophos 40 EC. The promising insecticides against mealy bugs were found to be acetamiprid 20 SP, thiamethoxam 25 WG, fipronil 80 WG, lambdacyhalothrin 5 SC, triazophos 40 EC followed by imidacloprid 17.80 SL, fipronil 5 SC and imidacloprid 70 WG.

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