



**RESEARCH ARTICLE :**

## Efficacy of *Pseudomonas fluorescens* against the pink bollworm, *Pectinophora gossypiella* (Saunders) (Lepidoptera: Gelechiidae)

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**SUMMARY :** An investigation was carried out during 2014-15 and 2015-16 to evaluate the *Pseudomonas fluorescens* against the pink bollworm, *Pectinophora gossypiella* (Saunders), in Bt cotton at Vanavarayar Institute of Agriculture, Pollachi. Apart from the infestation, comparative cseed cotton yield was also assessed. The obtained results indicated that all treatments except control exhibited great reduction in pink bollworm infestation of both green boll damage and locule boll damage percentage and the larval population. The treatment could be arranged descendingly according to the general reduction of two seasons follows; Triazophos 0.05%, Soil and Foliar application of *P. fluorescens* @ 1%, Foliar application of *P. fluorescens* @ 1% and *Beauveria basianna* @ 1%, Foliar application of *Beauveria basianna* @ 1%, Foliar application of *P. fluorescens* @ 1% and Soil application of *P. fluorescens* 2.5 kg/ha against pink bollworm.

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**KEY WORDS :**

*Pectinophora gossypiella*,  
*Pseudomonas flourescens*, Bt cotton

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