

RESEARCH ARTICLE

# Field efficacy of *Nomuraea rileyi* (Farlow) Samson alone and in combination with insecticides against *Spodoptera litura* (Fabricius) infesting groundnut

■ N.M. KACHHADIYA\*, M.N. KAPADIA AND D.M. JETHVA

Department of Agricultural Entomology, Junagadh Agricultural University, JUNAGADH (GUJARAT) INDIA

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**\*Corresponding author:**  
Email: dr\_dharmraj@yahoo.co.in

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ABSTRACT

A field experiment was conducted to determine the efficacy of *Nomuraea rileyi* (Farlow) Samson alone and in combination with insecticides against *Spodoptera litura* (Fabricius) infesting groundnut at Junagadh Agricultural University campus, Junagadh during Kharif 2010. Considering the effectiveness and economics of different treatments, *N. rileyi* @ 1.25 kg/ha combined with spinosad 0.0045 per cent, *N. rileyi* @ 1.25 kg/ha + novaluron 0.004 per cent, *N. rileyi* @ 1.25 kg/ha + methomyl 0.025 per cent and *N. rileyi* @ 1.25 kg/ha + indoxacarb 0.0015 per cent were found as effective and economical as the recommended synthetic insecticides alone viz., methomyl 0.05 per cent, novaluron 0.008 per cent, indoxacarb 0.003 per cent and spinosad 0.009 per cent, and can be recommended for eco-friendly management of *S. litura* in groundnut ecosystem, when they were applied twice first at 50 per cent flowering and second at 50 per cent pod formation.

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