Pathogenicity of a Native Isolate of *Nomuraea rileyi* (Farlow) Samson Against Tobacco Caterpillar, *Spodoptera litura* (Fabricius)

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ABSTRACT

The median lethal concentration (LC_{50}) and time (LT_{50}) of *Nomuraea rileyi* (Farlow) Samson were determined against the second instar larvae of *Spodoptera litura* (Fab.) by dipping the larvae in fungal spore suspension concentrations varying from 1×10^4, 1×10^5, 1×10^6, 1×10^7 and 1×10^8 spores ml^{-1}. The LC_{50} recorded with *N. rileyi* against the second instar larvae of *S. litura* was recorded as 5.55×10^4 spores ml^{-1} whereas LT_{50} value was 190.09 hours post infection.

Key words : LC_{50}, LT_{50}, Native isolate, *Nomuraea rileyi, Spodoptera litura*.