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RESEARCH PAPER

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Comparative relative toxicity of some modern insecticides against *Spodoptera litura* fabricius on groundnut

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ABSTRACT

Investigation on comparative relative toxicity of some modern insecticides against *S. litura* revealed that emamectin benzoate was the most toxic and effective insecticide as its LC₅₀ value was 0.000954. Notably, emamectin benzoate proved very effective in laboratory, as evident from its low LC₅₀ values against *S. litura*. As emamectin benzoate is a novel semi-synthetic derivative of the natural product was found to be most toxic. On the other hand, spinosad found to be the least toxic in which the LC₅₀ value was worked out to the tune of 0.0158.

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