## Research Paper:

# **Acute Toxicity: Novel Mode of Pesticides on Earthworm**

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### **SUMMARY**

Lab-experiments were carried out to asses the relative acute toxicity of eight novel modes of pesticides viz, abamectin, diafenthiuron, fipronil, imidacloprid, spinosad, indoxacarb, novaluron and profenofos on earthworm (*Eisenia foetida*) comparing contact filter paper test and soil test wherein, the area of contact-exposure was kept uniform and the exposure-period was kept 48 h and 28 days, respectively. All the pesticides found to be toxic in former test were depicted comparatively less toxic in latter test, indicating that the estimation of toxicity differs significantly with the test method, type of chemical molecule and also physicochemical properties of the soil.

Key words:

Acute-toxicity, Novel pesticides, Earthworm, Eisenia foetida

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