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Human exposure to neonicotinoid insecticides and the evaluation of their potential toxicity: an overview

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Highlights

Neonicotinoids, as a novel class of insecticides, are used widely.

Neonicotinoids have been detected in human urine, serum, and hair.

In vivo/vitro studies suggested toxicity of neonicotinoids.

Large-scale epidemiological studies on human health effects are needed.

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