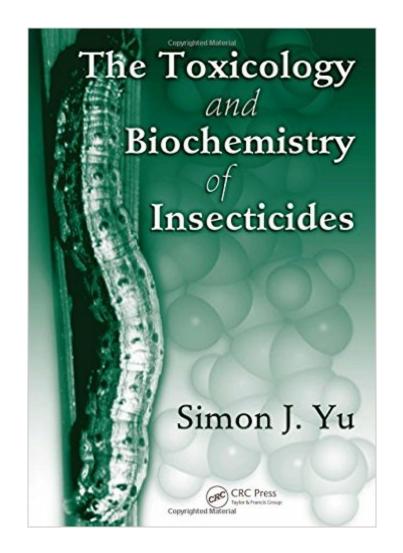
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# The Toxicology And Biochemistry Of Insecticides





# Synopsis

The first book in two decades to address this multi-faceted field, The Toxicology and Biochemistry of Insecticides provides the most up-to-date information on insecticide classification, formulation, mode of action, resistance, metabolism, environmental fate, and regulatory legislation. The book draws on the authorâ <sup>™</sup>s groundbreaking research in insect detoxification. It discusses mechanisms at the molecular level such as specific enzymes that contribute to insecticide resistance, the modification of which can change insecticide susceptibility and influence host plant selections in phytophagous insects. Beginning with a general introduction, eleven chapters integrate classical toxicology with physiology, biochemistry, and molecular biology to present a comprehensive look at the field. The book discusses the demand and formulation of pesticides and describes each type from dusts and powders to baits and aerosols. It classifies insecticides by target, chemical compound, and mechanism; evaluates toxicity testing procedures; explains pesticide uptake, mode of action, and metabolism; and explores species differences, resistance, and interactions. It also considers pesticides in the environment and federal and state regulatory legislation and enforcement. A long-awaited, state-of-the-science review on insect toxicology, this indispensable book brings you up-to-date on the many aspects and implications of pesticide use and provides the necessary background and platform from which to conduct future research.

### **Book Information**

Hardcover: 296 pages Publisher: CRC Press; 1 edition (March 4, 2008) Language: English ISBN-10: 1420059750 ISBN-13: 978-1420059755 Product Dimensions: 9.9 x 7.2 x 0.8 inches Shipping Weight: 1.4 pounds Average Customer Review: 4.5 out of 5 stars Â See all reviews (2 customer reviews) Best Sellers Rank: #2,163,084 in Books (See Top 100 in Books) #65 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Insecticides & Pesticides #325 in Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Toxicology #405 in Books > Science & Math > Agricultural Sciences > Agronomy

# **Customer Reviews**

This book is a great choice if someone wants to get to understand all the information about the

insecticides we use or used for agricultural. Very useful and simple to get an understanding on how insect pests are affected by insecticides, as well as the resistance they might develop overtime. I recommend it!

Quickly and new. Good service and fast. Im satisfied with my purchase. Recommended!! hh hhh hhh hh hh

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