



Metabolic Pathways of Agrochemicals, Part 2: Insecticides and Fungicides (Metabolic Pathways (Royal Society of Chemistry)) (Pt.2)

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Metabolic Pathways of Agrochemicals, Part 2: Insecticides and Fungicides (Metabolic Pathways (Royal Society of Chemistry)) (Pt.2) From Royal Society of Chemistry

This important publication provides a comprehensive summary of data and information on the metabolism and chemical degradation of agrochemicals in soils, plants and animals. Part 1, Herbicides and Plant Growth Regulators, and Part 2, Insecticides and Fungicides, together provide a major bibliography, as each entry is fully referenced. Contents include metabolic products, pathways and mechanisms, together with useful details on physico-chemical properties and mode of action. Both parts are organised by class of chemical for easy reference. There are separate entries for each pesticide, covering most commercially available chemicals in use today. In addition, an overview of the metabolism of each major class provides the reader with an informed summary of key similarities and significant differences between individual chemicals. Information is based primarily on literature from the past 40 years of research, together with some important, previously unpublished work provided by the agrochemical companies. Presented in a systematic, easy-to-read style, with extensive indexing to facilitate the rapid location of required information and the comparison of related compounds, Metabolic Pathways of Agrochemicals is an invaluable reference for chemists, biochemists and biologists working in the discovery, development and registration of agrochemicals, as well as scientists in related areas such as design and mode of action of pharmaceuticals.

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Editorial Review

Review

"A better reference source cannot be imagined ... should be in every library and at the right hand of every agricultural chemist, toxicologist, and environmentalist." (*Veterinary and Human Toxicology*, 42 (1) February 2000)

"... Metabolic Pathways of Agrochemicals will be an invaluable reference for chemists, biochemists, and biologists working in the discovery, development and registration of agrochemicals, as well as scientists in related areas such as design and mode of action of pharmaceuticals." (*Plant Science* 2001)

"... a must for every one with an interest in insecticide and fungicide metabolism and degradation ... an excellent reference book." (*Journal of Environmental Monitoring*, 2000, 2, p 21N)

"The structures are very clear and appear carefully drawn. Each major section is preceded by an extremely well-written overview. ... these overviews are extremely valuable in themselves, providing a thumbnail sketch of the classes of material and their toxicology. ... as a metabolism chemist I found the book hard to put down. This compilation of summaries facilitates the comparison of metabolic pathways among structures and encourages the readers to draw conclusions regarding their own unifying principles of metabolism." (*Pesticide Biochemistry and Physiology*, 67, 217, 2000)

"... an invaluable reference ..." (*International Journal of Environment and Pollution*, Vol 12, Nr 4, 1999)

"These two volumes are a mine of information ... useful works of reference that can be thoroughly recommended ..." (*Angewandte Chemie, International Edition*, Vol 40, No 8, April 17, 2001, p 1548)

"... a comprehensive reference ... a highly authoritative and informative compilation ... an easy read with rapid retrieval of the specific information desired." (*Vet Human Toxicol*, 41 (3), June 1999)

"... this volume will be welcomed by the herbicide community ... should establish itself as an authoritative reference work in a critically important field, in the years to come." (*Pesticide Science*, Vol 55, No 7, p 756)

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