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Altri autori (Persone)	MarrsTimothy C BallantyneBryan
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Pesticide Toxicology and International Regulation; Contents; Preface; List of Contributors; Frequently Used Abbreviations; Toxicity Classifications and Hazard Ratings; 1 Pesticides: An Overview of Fundamentals; Definition and introductory generalizations; Major historical features; Classification and nomenclature; Exposure to pesticides; routes, monitoring, and protection; Health issues; Regulation of pesticides; References; Part I Insecticides; 2 Toxicology of Organochlorine Insecticides; Lindane/hexachlorocyclohexane (HCH); Cyclo-diene and related insecticides; Toxaphene DDT and its analogues DDT; Mirex and chlordecone; Regulatory aspects; Summary; References; 3 Anticholinesterase Insecticides; Introduction; AChE; Major classes of anti-AChE insecticides; Toxicological consequences of AChE inhibition; Therapy for cholinergic toxicity; Regulatory aspects of anti-AChE insecticides; Acknowledgements;

References; 4 Toxicology of Pyrethrins and Synthetic Pyrethroids; Usage and human exposure; Mechanisms of toxicity; Systemic poisoning; Pathology; Paraesthesia and local irritation; Developmental neurotoxicity; Reference values for synthetic pyrethroids; References

5 Toxicology of Miscellaneous Insecticides Introduction; Neuroactive insecticides; Insect growth regulators; Plant insecticides; Biochemical insecticides; References; Part II Fungicides, Herbicides and Growth Regulators; 6 Toxicology of Fungicides; Introduction; Halogenated substituted monocyclic aromatics; Dithiocarbamate fungicides; Dithiocarbamates; Ethylene bisdithiocarbamates; Benzimidazole/thiabendazole fungicides; Chloroalkylthiodicarboximides; Azoles; Morpholines; Carboxanilides (oxathiins); Organophosphates; Piperazines; Metallic fungicides; Miscellaneous; Aliphatic aldehydes Thiocarbonates Antibiotics; Cinnamic acid class; Appendix: Complete listing of fungicides by chemical classes; References; 7 Toxicology of Herbicides; Herbicides; Inorganic herbicides; Bipyridylum herbicides; Phenoxy acid herbicides; Substituted anilines; Ureas and thioureas; Nitriles; Triazines and triazoles; Organic phosphorus herbicides; Defoliants and dessicants, and plant growth regulators; References; Part III Special Types of Pesticide; 8 Microbial Pesticides; Introduction; Regulatory approaches; Toxicity of particular organisms; References; 9 Biocides; Introduction Chemistry of biocides 2,2-Dibromo-3-nitrilopropionamide (DBNPA); Methylenebisthiocyanate (MBT); Quarternary ammonium compounds (quats); 2-Bromo-2-nitropropane-1,3-diol (bronopol; BNP); iso-Thiazolones; Tetra-(hydroxymethyl)-phosphonium sulphate (THPS); Peracetic acid (PAA); Glutaraldehyde (GA); References; Part IV Residues; 10 Variability of Residues in Unprocessed Food Items and its Impact on Consumer Risk Assessment; Variability of pesticide residues; Maximum residue limits; Minor crops; Derivation of MRLs; Discovery of residue variability in UK crops; Further studies on variability Implications of variability and derivation of the variability factor

Sommario/riassunto

This book brings together key features of the toxicology and occupational hazards of pesticides and the way their use is regulated in the main trading regions of the world. There are chapters on each of the main groups of insecticides, namely organochlorines, anticholinesterases and pyrethrins and pyrethroids. The book also covers fungicides and herbicides, as well as more specialised agents such as microbial pesticides. The risks and hazards to humans are considered, both occupational and through the consumption of contaminated foodstuffs. Additionally, clinical aspects of pesticide poisonin
