1. Record Nr. UNINA9910821664703321 Autore Krieger Robert Titolo Hayes' Handbook of Pesticide Toxicology Pubbl/distr/stampa Burlington,: Elsevier Science, 2010 **ISBN** 1-282-95406-7 9786612954061 0-08-092201-5 Edizione [3rd ed.] Descrizione fisica 1 online resource (2407 p.) Disciplina 615.902 615.951 Soggetti Pesticides -- Toxicology -- Handbooks, manuals, etc Pesticides -- Toxicology Pesticides - Toxicology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di contenuto e9780123743671v1; Front Cover; Hayes' Handbook of Pesticide Toxicology, Third Edition; Copyright Page; Dedication; Contents of Volume 1; Contributors; Foreword; Preface; Section I: Pesticide Uses; Chapter 1. Dose and Time Determining, and Other Factors Influencing, Toxicity; 1.1 Introduction; 1.1.1 Dose and Time as Fundamental Variables of Toxicity; 1.1.2 Definition of Dose and Time; 1.1.3 Dose and Time Relationships; 1.1.4 Analogy to Thermodynamics; 1.2 Kinds of toxicity; 1.2.1 Nature of the Injury; 1.2.2 Duration of the Injury; 1.3 Quantitation of dosage-response relationships 1.3.1 ED 50 or LD 501.3.2 Measurement of Cumulative Effects: 1.3.3 Time Relationships; 1.3.4 Problem of Measuring Effect of Dispersed Toxicants; 1.3.5 Measurement of Graded Responses; 1.3.6 Dosage at the Tissue Level; 1.3.7 Statistical Considerations; 1.4 Dosage-response relationships in different kinds of toxicity or change; 1.4.1 Toxicity (Sensu Stricto); 1.4.2 Neurotoxicity; 1.4.3 Teratogenesis; 1.4.4 Carcinogenesis: 1.4.5 Mutagenesis: 1.4.6 Hypersensitivity and Allergy:

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Sommario/riassunto

The Handbook of Pesticide Toxicology is a comprehensive, two-volume reference guide to the properties, effects, and regulation of pesticides that provides the latest and most complete information to researchers investigating the environmental, agricultural, veterinary, and humanhealth impacts of pesticide use. Written by international experts from academia, government, and the private sector, the Handbook of Pesticide Toxicology is an in-depth examination of critical issues related to the need for, use of, and nature of chemicals used in modern pest management. This updated 3