Record Nr. UNINA9910784406003321 Autore Van Emden H. F (Helmut Fritz) **Titolo** Pest and vector control / / H.F. van Emden and M.W. Service [[electronic resource]] Cambridge:,: Cambridge University Press,, 2004 Pubbl/distr/stampa **ISBN** 1-107-14439-6 1-280-95607-0 9786610956074 0-511-35158-5 0-511-16590-0 0-511-16395-9 0-511-56158-X 0-511-61633-3 0-511-16475-0 Descrizione fisica 1 online resource (xii, 349 pages) : digital, PDF file(s) Disciplina 632/.7 Soggetti Pests - Control Pests - Biological control Vector control Pesticides - Environmental aspects Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Title from publisher's bibliographic system (viewed on 05 Oct 2015). Note generali Includes bibliographical references (p. [325]-327) and index. Nota di bibliografia Nota di contenuto Cover; Half-title; Title; Copyright; Contents; Preface; 1 Man and insects; 2 The causes of pest and vectored disease outbreaks; 3 Insecticides and their formulation; 4 Application of insecticides; 5 Problems with insecticides; 6 Environmental/cultural control; 7 Biological control; 8 Insect pathogens; 9 Genetic control; 10 Pheromones; 11 Plant and host resistance; 12 Other control methods and related topics; 13 Pest and vector management; Appendix of names of some chemicals and microbials used as pesticides; References; Index Sommario/riassunto As ravagers of crops and carriers of diseases affecting plants, humans and animals, insects present a challenge to a growing human

population. In Pest and Vector Control, first published in 2004,

Professors van Emden and Service describe the available options for meeting this challenge, discussing their relative advantages, disadvantages and future potential. Methods such as chemical and biological control, host tolerance and resistance are discussed integrating (often for the first time) information and experience from the agricultural and medical/veterinary fields. Chemical control is seen as a major component of insect control, both now and in the future, but this is balanced with an extensive account of associated problems, especially the development of pesticide-tolerant populations.