

1. Record Nr.	UNINA9910789244003321
Titolo	Rearing animal and plant pathogen vectors // editors, Karl Maramorosch, Professor Emeritus, Department of Entomology, Cook College, Rutgers-The State University of New Jersey, New Brunswick, NJ, USA and Farida Mahmood, Department of the Army, US
Pubbl/distr/stampa	Boca Raton : , : Taylor & Francis, , [2014] ©2014
ISBN	0-429-16966-3 1-4665-9822-0
Descrizione fisica	1 online resource (340 p.)
Disciplina	614.4/3 614.43
Soggetti	Insects as carriers of disease - Research - Methodology Animals as carriers of disease - Research - Methodology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A CRC title. Revision of: Maintenance of human, animal, and plant pathogen vectors (Enfield, NH : Science Publishers, 1999).
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; Preface; Contents; 1. Laboratory Maintenance of Mosquitoes; 2. Black Fly Rearing and Use in Laboratory Bioassays; 3. Maintenance of Ticks in the Laboratory; 4. Maintenance of the Triatomine Bugs <i>Rhodnius prolixus</i> and <i>Triatoma dimidiata</i> under Laboratory Conditions; 5. Laboratory Rearing of Bed Bugs; 6. Laboratory Maintenance of Phlebotomine Sand Flies; 7. Establishment and Maintenance of Small Scale Tsetse Colonies; 8. Rearing Aphids to use in Virus-Vectors Studies; 9. Leafhopper and Planthopper Rearing; 10. Maintenance of <i>Piesma quadratum</i> (Fieb.); 11. Rearing Thrips Vectors 12. Whiteflies as Subjects of Laboratory Research 13. <i>Xiphinema index</i> , Maintenance and Feeding in Monoxenic Cultures; 14. <i>Xiphinema index</i> , Rearing in Greenhouse; 15. Maintenance of Fungal Vectors of Plant Viruses; 16. Sterile Techniques for Rearing and Cell Culture of Leafhopper Vectors of Plant Pathogens; 17. Psyllid Vectors of Plant

Sommario/riassunto

This book provides an integrated description of methods used to rear vectors of human, higher animal, and plant pathogens in the laboratory. It deals with diverse subject areas, and contains descriptions of standard, as well as highly specialized, methods used by medical, veterinary, entomology, and plant pathology experts. The text brings together the standard breeding and manipulation methods developed in America, Europe, Asia, and Africa. It describes the cultivating, handling, sterile techniques, and cell culture as well as safety measures to prevent contamination and escape of insects,
