1. Record Nr. UNINA9910144545503321

Titolo Exotic pests and diseases [[electronic resource]]: biology and

economics for biosecurity / / Daniel A. Sumner, editor

Pubbl/distr/stampa Ames, Iowa, : Iowa State Press, 2003

ISBN 1-282-36524-X

9786612365249 0-470-29012-9 0-470-28998-8

Edizione [1st ed.]

Descrizione fisica 1 online resource (278 p.)

Altri autori (Persone) SumnerDaniel A <1950-> (Daniel Alan)

Disciplina 632.9

632.90973

Soggetti Nonindigenous pests - United States

Inglese

Nonindigenous pests - Control - United States Agriculture - Economic aspects - United States

Agriculture and state - United States

Electronic books.

Lingua di pubblicazione

Formato Materiale a stampa

Livello bibliografico Monografia

Note generali Description based upon print version of record.

Nota di bibliografia Includes bibliographical references and index.

Nota di contenuto EXOTIC PESTS and DISEASES: Biology and Economics for BIOSECURITY;

Contents; Preface; Contributors; 1. Exotic Pests and Public Policy for Biosecurity: An Introduction and Overview; I. Issues, Principles, Institutions, and History; 2. Economics of Policy for Exotic Pests and Diseases: Principles and Issues; 3. Regulatory Framework and Institutional Players; 4. International Trade Agreements and Sanitary and Phytosanitary Measures; 5. Historical Perspectives on Exotic Pests and Diseases in California; II. Exotic Pest and Disease Cases: Examples

of Economics and Biology and Policy Evaluation

6. Bovine Spongiform Encephalopathy: Lessons from the United Kingdom7. Evaluating the Potential Impact of a Foot-and-Mouth

Disease Outbreak; 8. Risk Assessment of Plant-Parasitic Nematodes; 9. Ex-Ante Economics of Exotic Disease Policy: Citrus Canker in California; 10. An Insect Pest of Agricultural, Urban, and Wildlife Areas: The Red Imported Fire Ant; 11. A Rational Regulatory Policy: The Case of Karnal

Bunt; 12. Introduction and Establishment of Exotic Insect and Mite Pests of Avocados in California, Changes in Sanitary and Photosanitary Policies, and Their Economic and Social Impact 13. Ash Whitefly and Biological Control in the Urban Environment14. Economic Consequences of a New Exotic Pest: The Introduction of Rice Blast Disease in California; 15. Biological Control of Yellow Starthistle; Glossary of Terms and Acronyms; Index

Sommario/riassunto

Exotic pests and diseases have long been an important concern in agriculture. The problem is becoming increasingly urgent and complex because agricultural trade has been liberalized worldwide, and as a consequence, the probability of spreading a disease or a pest through national borders has become a real threat, not only for the agricultural industry but also for human health and the natural environment. This edited volume's list of international contributors reads like a Who's Who of international agricultural research! This book includes ten interdisciplinary case studies that