1. Record Nr. UNINA9910627296703321 Infectious forest diseases / / edited by Paolo Gonthier and Giovanni **Titolo** Nicolotti : with the assistance of Luana Giordano Pubbl/distr/stampa Oxfordshire, England;; Boston, Massachusetts:,: CABI,, 2013 ©2013 **ISBN** 1-78924-412-9 1-78064-296-2 Descrizione fisica 1 online resource (681 p.) Disciplina 582.16 Soggetti Trees - Diseases and pests Forest health Forest protection Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references at the end of each chapters and Nota di bibliografia index. ""Contents""; ""Contributors""; ""Foreword""; ""Preface""; ""Contributorsa Nota di contenuto €? Acknowledgements""; ""List of Acronyms""; ""Introduction to Infectious Forest Diseases""; ""PART I: INTRODUCTORY CONCEPTS""; ""1 Concepts of Epidemiology of Forest Diseases""; ""2 General Strategies of Forest Disease Management""; ""PART II: NON-FUNGAL INFECTIOUS FOREST DISEASES""; ""3 Forest Diseases Caused by Viruses""; ""4 Forest Diseases Caused by Prokaryotes: Phytoplasmal and Bacterial Diseases""; ""5 Forest Diseases Caused by Higher Parasitic Plants: Mistletoes"" ""6 Pine Wilt Disease and Other Nematode Diseases"""PART III: FOREST DISEASES CAUSED BY FUNGI AND FUNGAL-LIKE ORGANISMS": ""ROOT AND BUTT ROTS""; ""7 Annosus Root and Butt Rots""; ""8 Armillaria Root Rots""; ""9 Laminated and Tomentosus Root Rots""; ""STEM ROTS""; ""10 Heart Rots, Sap Rots and Canker Rots""; ""VASCULAR DISEASES""; ""11 Ceratocystis Diseases""; ""12 Dutch Elm Disease and Other Ophiostoma Diseases""; ""13 Blackstain Root Disease and Other Leptographium Diseases"": ""CANKER DISEASES"": ""14 Cankers and Other Diseases Caused by the Botryosphaeriaceae""; ""15 Chestnut Blight"" ""16 Other Cankers Caused by Cryphonectria and Sibling Species"""17

Cypress Canker""; ""18 Pitch Canker""; ""19 Larch Canker""; ""20

Hypoxylon Canker""; ""BRANCH AND TIP BLIGHTS""; ""21 Branch and Tip Blights""; ""FOLIAR DISEASES""; ""22 Dothistroma Needle Blight""; ""23 Other Foliar Diseases of Coniferous Trees""; ""24 Foliar Diseases of Broadleaved Trees""; ""OOMYCETE DISEASES""; ""25 Oomycete Diseases"; ""RUST DISEASES""; ""26 Tree Rusts""; ""PART IV: NURSERY DISEASES""; ""27 Seed, Seedling and Nursery Diseases""; ""PART V: INTRODUCED PATHOGENS""

""28 Responding to Diseases Caused by Exotic Tree Pathogens"""
Index""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F""; ""G""; ""H""; ""I"; ""J""; ""K""; ""L""; ""M""; ""N""; ""O""; ""P""; ""Q""; ""R""; ""S""; ""T"; ""U""; ""V""; ""W"";

## Sommario/riassunto

This title offers uniquely international coverage of the latest advances in the epidemiology and management of major forest pathogens. The threats to forest health around the world are increasingly attracting international attention. This is the first book on the market to cover forest diseases on an international scale. It is a timely publication as the health of forests around the world are under increasing threat. It covers all recent advances in the management of forest diseases, including the epidemiology and infection biology of forest pathogens, and forest protection based on integrated

""X""; ""Y""; ""Z""; ""Colour plate""