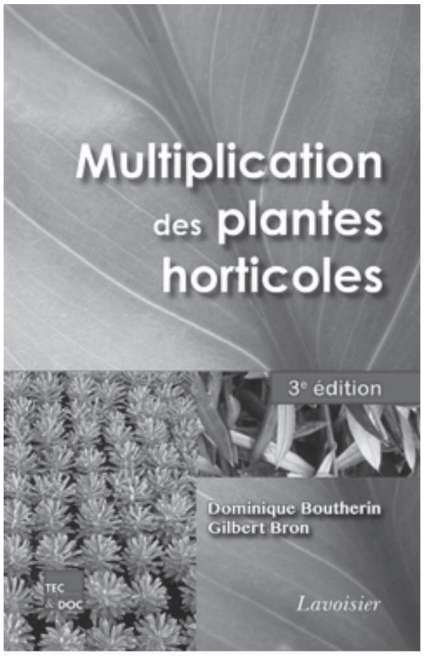
Multiplication des plantes horticoles (3e Éd.)

Dominique Boutherin, Gilbert Bron



La technologie horticole évolue rapidement, notamment dans le domaine de la production des plants. Cet ouvrage présente l'ensemble des procédés de propagation utilisés en horticulture à travers trois grandes parties : la multiplication sexuée, la multiplication végétative et la production de jeunes plants. Chaque chapitre rappelle les fondements biologiques d'une méthode et en développe les aspects gestuels et techniques, en les illustrant de nombreux exemples pratiques : semis, bouturage, greffage, multiplication *in vitro*, marcottage, éclatage, division, drageonnage. La production des jeunes plants, activité devenue spécialité à part entière, est souvent, pour le professionnel, sujet à interrogation : faut-il produire ou acheter les jeunes plants ? La réponse n'est pas toujours simple. Le dernier chapitre apporte tous les éclairages pour mener à bien cette réflexion. Cette 3e édition a été entièrement revue pour offrir une synthèse des connaissances actuelles. La multiplication *in vitro* y est notamment développée. Son iconographie renouvelée et augmentée ainsi que sa maquette en couleur contribuent à renforcer son attrait pédagogique. Cet ouvrage s'adresse à un large public. Il constitue un outil indispensable pour les étudiants de l'enseignement horticole, une référence technique incontournable pour tous les professionnels de la filière horticole, mais aussi le guide idéal des amateurs avertis.

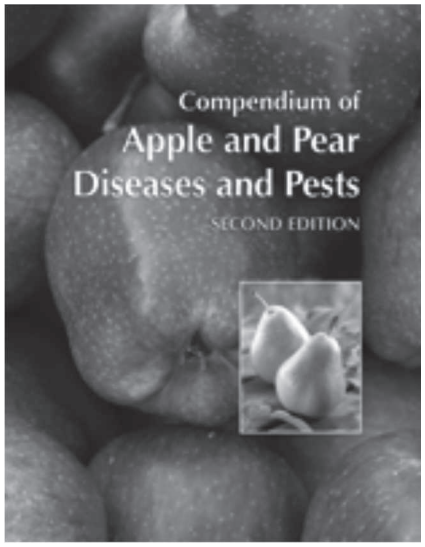
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Compendium of Apple and Pear Diseases and Pests, Second Edition

Turner B. Sutton, Herb S. Aldwinckle, Arthur M. Agnello, and James F. Walgenbach (Eds.)



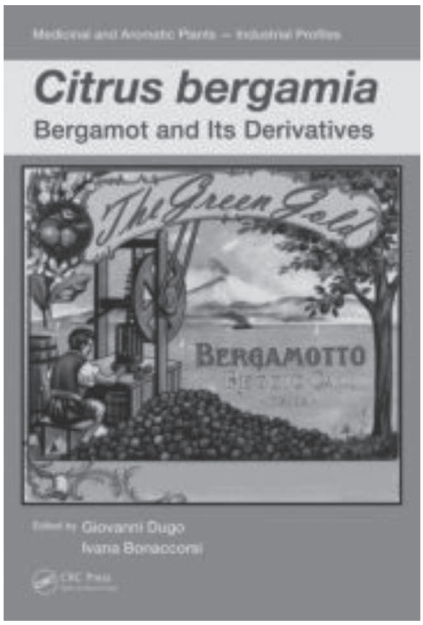
Nearly double the size of the previous edition, *Compendium of Apple and Pear Diseases and Pests, Second Edition* boasts a total of 343 color images and more figures than any other compendium to date, offering second-to-none diagnostic coverage of these two important crops. Of the many changes in this second edition, the most notable may be the addition of a new section that includes coverage of insects and mites, also known as arthropods. This section alone features 90 species and 160 color images which make this handbook a cross-disciplinary reference and scouting guide that will be utilized by extension professionals and the growers they serve for years to come. All chapters include the latest information on the distribution, biology, identification, and management of the many diseases and arthropod pests that occur worldwide. The book is easy to use. It allows users to match the symptoms and pests on their plants with the book's color photographs. Users can then refer to the corresponding text which describes the related symptoms, causes, cycles, and control practices for the particular disease, insect, or mite. The authors also describe nutritional and postharvest disorders of apples and pears and provide recommendations to minimize or improve these issues. This colorful guidebook is an invaluable resource for anyone involved in healthy apple and pear production, including plant pathologists, entomologists, pomologists, extension agents, master gardeners, horticulturists, IPM practitioners, pesticide applicators, agrochemical professionals, private consultants, and growers.

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Citrus bergamia: Bergamot and its Derivatives

Giovanni Dugo, Ivana Bonaccorsi (Editors)



In Calabria, Italy, where bergamot has been successfully cultivated since the eighteenth century, it is commonly defined as "the prince of the *Citrus* genus." Written by an international panel of experts from multiple disciplines, *Citrus bergamia: Bergamot and its Derivatives* represents the most complete treatise on bergamot and its derivatives currently available. Although production of bergamot and its derivatives is comparatively small, its chemical composition and biological properties have been of great scientific interest and the oil is considered essential in many high-quality perfumes. There is also an increased demand for bergamot oil for food flavorings and gastronomy. A tribute to bergamot, *Citrus bergamia: Bergamot and its Derivatives* covers all aspects of bergamot, from its historical and botanical origins, cultural practices, and transformation technologies to the use of its derivatives, possible contaminations, and biological activity. The book examines the chemical composition of bergamot in peel oils, leaf oils, juice, and fruits, extracted by various techniques—mechanical, distillation, and by supercritical fluids. It covers newly identified classes of compounds, limonoids and statins, describing the identification and assay of natural statins and the pharmacological activities of limonoids. It also discusses bergapten properties and its uses in cosmetics and medicine, as well as the use of bergamot in perfumery and in foods and beverages. The book concludes with a chapter reviewing the available data and global legislative status of bergamot as they relate to the safe use and trade of bergamot products.

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