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US publication is 2 months after UK publication.
Cut Flowers
Edited by James E. Faust, Clemson University, USA, John Dole, North Carolina State University, USA
The cut flower industry is a global business with major production locations around the world. This book describes the major international production locations and markets, including current trends and directions.

Apr 2021 | PB | 9781789247602 | 304pp
£45 | €55 | $65

Sweet Cherries
Lynn Long, Oregon State University, USA, Gregory Lang, Michigan State University, USA, Clive Kaiser, Oregon State University, USA
Sweet cherries are a speciality crop, subject to significant production risk for growers, yet with high potential returns due to strong consumer demand. This book provides comprehensive coverage of the history, genetic improvements, production, physiology of growth and cropping, orchard establishment and management, and harvesting for sustainable cherry production.

Nov 2020 | PB | 9781786398284 | 360pp
£45 | €50 | $60

Strawberries
2nd Edition
James F Hancock, Michigan State University, USA
This updated edition provides a broad, balanced review of the scientific knowledge of strawberries and their cultivation and reflects changes in methods of culture, taxonomy and genomic information and new diseases and pest control methods. Full colour throughout.

Sep 2020 | PB | 9781789242270 | 288pp
£45 | €50 | $60

Carrots and Related Apiaceae Crops
2nd Edition
Edited by Emmanuel Geoffriau, Agrocampus Ouest, France, and Philip W Simon, University of Wisconsin, USA
Fully updated with new content and full-colour figures, the second edition of this successful book reflects developments and growth in our knowledge of carrots and related crops. It covers the scientific basis of their biology and production, with updated technical crop management content.

Jul 2020 | PB | 9781789240955 | 344pp
£49.99 | €60 | $70
**Cucurbits**

2nd Edition

Todd C Wehner, North Carolina State University, USA, Rachel Naegle, USDA ARS, USA, James Myers, Oregon State University, USA, Kevin Crosby, Texas A&M University, USA, Narinder P S Dhillon, World Vegetable Center, Thailand

Completely updated with new content and full-colour figures throughout, this new edition provides succinct and authoritative knowledge relating to the production of cucurbits, including cucumbers, gourds, muskmelons, pumpkins, squashes and watermelons, and reflects on significant recent advances in the areas of production, breeding and evolution.

May 2020 | PB | 9781786392916 | 280pp
£45 | €50 | $60

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**Tropical Root and Tuber Crops**

Cassava, sweet potato, yams and aroids

2nd Edition

Vincent Lebot, CIRAD, Vanuatu

Root and tuber crops are important to agriculture, food security and income for 2.2 billion people in developing countries. This is an update of this popular title in the Crop Production Science in Horticulture series, originally published in 2009.

Dec 2019 | PB | 9781789243369 | 544pp
£60 | €70 | $85

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**Citrus**

2nd Edition

L. Gene Albrigo, Lukasz L Stelinski, Lavern W. Timmer, all at University of Florida, USA

Covers the biology and cultivation of citrus, considering the industry from an international perspective. This updated edition includes new findings of advances in molecular approaches to taxonomic studies, cultivars, physiological understanding of key citrus fruits and environmental factors affecting fruit quality.

Aug 2019 | PB | 9781845938154 | 324pp
£49.99 | €60 | $70

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**Blueberries**

2nd Edition

Jorge B Retamales, Universidad de Talca, Chile, James F Hancock, Michigan State University, USA

This new and updated edition covers major topics of interest to blueberry breeders and researchers: botany, physiology, nutrition, growth regulation, photosynthesis, environment, weeds, pests, diseases and postharvest management. The focus is on the highbush blueberry, though information on other blueberries and related species is also provided.

Aug 2018 | PB | 9781780647265 | 424pp
£45 | €60 | $75
Tomatoes
2nd Edition
Edited by Ep Heuvelink, Wageningen University, The Netherlands
Aug 2018 | PB | 9781780641935 | 388pp
£45 | €60 | $75

Grapes
2nd Edition
Glen L Creasy, Sabrosia Winegrowing Services, France, Leroy L Creasy, Thornbush Farms, USA
Aug 2018 | PB | 9781786391360 | 412pp
£45 | €60 | $75

Blackberries and Their Hybrids
Edited by Harvey K Hall, Shekinah Berries Ltd, New Zealand, Richard C Funt, Ohio State University, USA
Oct 2017 | PB | 9781780646688 | 376pp
£45 | €60 | $75

Peas and Beans
Anthony J Biddle, formerly Processors and Growers Research Organisation, UK
Jul 2017 | PB | 9781780640914 | 188pp
£45 | €60 | $75

Raspberries
Edited by Richard C Funt, Ohio State University, USA, Harvey K Hall, Shekinah Berries Ltd, New Zealand
Mar 2013 | PB | 9781845937911 | 300pp
£46.35 | €61.80 | $77.20

Tropical Fruits, Volume 2
2nd Edition
Robert E Paull, University of Hawaii at Manoa, USA, Odilo Duarte, El Zamorano, Honduras
Nov 2012 | PB | 9781845937898 | 384pp
£48.40 | €63.85 | $90.60

Peppers
Vegetable and Spice Capsicums
2nd Edition
Paul Bosland, New Mexico State University, USA, Eric Votava, Tierra del Sol Organics, USA
Apr 2012 | PB | 9781845938253 | 248pp
£45 | €60 | $85

Tropical Fruits, Volume 1
2nd Edition
Robert E Paull, University of Hawaii at Manoa, USA, Odilo Duarte, El Zamorano, Honduras
Nov 2010 | PB | 9781845936723 | 408pp
£46.99 | €62 | $87.95

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The Constituents of Medicinal Plants
3rd Edition
Andrew Pengelly, University of Newcastle, Australia
Pengelly’s book is a classic in the literature of herbal medicine. It is an easy to understand introduction to the chemistry of medicinal plants. This new edition contains six new chapters incorporating topics of contemporary interest, including cannabinoids, mushroom polysaccharides and mycochemistry, and toxicology of phytochemicals.
Jun 2021 | PB | 9781789243079 | 256pp
£25 | €32.50 | $41.25

Manual on Postharvest Handling of Mediterranean Tree Fruits and Nuts
Edited by Carlos H Crisosto, Gayle M Crisosto, both University of California, Davis, USA
Written by recognised postharvest experts, this book provides invaluable, up-to-date information for those working in the growing, packing, shipping and retail phases of the postharvest chain, getting fruit to the consumer. Essential for those in the Mediterranean region and countries that export and import these crops.
Sep 2020 | PB | 9781789247176 | 160pp
£45 | €50 | $60

The Physiology of Vegetable Crops
2nd Edition
Edited by H.C. Wien, Cornell University, USA, H. Stützel, Leibniz University, Germany
This is a new edition of a popular title, providing enhanced understanding of the growth and function of 18 different vegetable crops. It is fully revised with new chapters on models and the effects of climate change; now presented in full colour throughout.
May 2020 | HB | 9781786393777 | 512pp
£150 | €180 | $210

Cut Flowers of the World
Identification, Production and Post-harvest Handling
Johannes Maree, Ben-Erik van Wyk, both at University of Johannesburg, South Africa
A compact, full-colour encyclopedia that summarizes the key information about cut flowers and foliage plants - their history, cultivation, properties, uses, care and handling.
Feb 2020 | HB | 9781789241334 | 472pp
£39.99 | €50 | $55
The Professional Handbook of Cider Tasting
Travis Robert Alexander, Brianna L Ewing Valliere, both Washington State University, USA

The cider industry is growing rapidly and this is a core, research-based text for understanding both the theory and practice of effectively evaluating the sensory properties of cider. It is a comprehensive book for industry and researchers to characterize cider using a standard, quantifiable metric.

Dec 2019 | PB | 9781789245493 | 104pp
£30 | €35 | $40

Food Gardens for a Changing World
Daniela Soleri, University of California, Santa Barbara, USA, David A. Cleveland, University of California, Santa Barbara, USA, and Steven E. Smith, University of Arizona, USA

We are facing worldwide climatic, environmental and social changes, and food gardens are one increasingly popular strategy being explored to address these impacts. This book presents the basic biological, ecological and social aspects which influence food gardening.

Jun 2019 | HB | 9781789240986 | 328pp
£95 | €115 | $135
Jun 2019 | PB | 9781789240993 | 328pp
£45 | €55 | $65

Fruit Ripening
Physiology, Signalling and Genomics
Edited by Pravendra Nath, National Botanical Research Institute, India, Mondher Bouzayen, INRA, France, Autar K Mattoo, USDA, USA, Jean Claude Pech, ENSA, France

There are many new developments in knowledge of the factors affecting fruit ripeness, and this monograph is a comprehensive account covering the latest molecular mechanisms regulating fruit ripening, its impact on human nutrition and emerging research and technologies.

Jul 2014 | HB | 9781845939625 | 336pp
£101.99 | €133.95 | $192.50
Nov 2019 | PB | 9781786395375 | 332pp
£50 | €60 | $70

Handbook of Diseases of Banana, Abacá and Enset
Edited by David R Jones, Specialist in Banana Pathology and Pest Risk Analysis, Australia

This book provides a comprehensive guide to the large number of diseases, disorders and injuries that can cause severe economic losses to banana, plantain, abacá and enset crops, and the fungi, bacteria, viruses, nematodes and abiotic factors involved. Most are described and illustrated in colour, creating a valuable diagnostic tool.

Dec 2018 | HB | 9781780647197 | 632pp
£195 | €255 | $320

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Pomegranate cultivation is increasing considerably worldwide for fresh consumption, juice production and medicinal purposes. This is the first comprehensive book by an international team of experts at the forefront of research and provides insights and experiences covering botany, production, processing, health and industrial uses of the fruit.

Sep 2020 | HB | 9781789240764 | 584pp
£160 | €185 | $215

Papaya cultivation has increased significantly over the last few years, mainly as a result of increased production in India. This is the first comprehensive book authored by an international team of experts at the forefront of research and covers botany, biotechnology, production, postharvest physiology and processing.

Aug 2020 | HB | 9781789241907 | 248pp
£95 | €110 | $130

Almonds cultivation is increasing globally with new varieties being developed to suit different markets. This book provides a comprehensive overview of almond growing from a scientific and horticultural perspective, covering botany, production, processing and industrial uses. Authored by an international team of experts and in full colour, it also presents genetics, breeding, propagation, nutrition, marketing and utilization.

Jul 2017 | HB | 9781780643540 | 512pp
£128.99 | €169.95 | $211

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Cherries
Botany, Production and Uses
Edited by José Quero-Garcia, INRA Bordeaux, France, Amy Iezzoni, Michigan State University, USA, Joanna Pulawska, Research Institute of Horticulture, Poland, Gregory Lang, Michigan State University, USA
Jul 2017 | HB | 9781780648378 | 550pp £128.99 | €169.95 | $211

Potato
Botany, Production and Uses
Edited by Roy Navarre, USDA-ARS and Washington State University, USA, Mark J Pavek, Washington State University, USA
Dec 2014 | HB | 9781780642802 | 382pp £105 | €137.95 | $198.30

The Avocado
Botany, Production and Uses
2nd Edition
Edited by Bruce Schaffer, University of Florida, USA, B Nigel Wolstenholme, University of KwaZulu-Natal, South Africa, Anthony W Whiley, Sunshine Horticultural Services, Australia
Jan 2013 | HB | 9781845937010 | 576pp £132.85 | €176.10 | $253.40

The Lime
Botany, Production and Uses
Edited by M Mumtaz Khan, Sultan Qaboos University, Oman, Rashid Al-Yahyai, Sultan Qaboos University, Oman, Fahad Al-Said, The Research Council, Oman
May 2017 | HB | 9781780647845 | 236pp £97.99 | €128.95 | $165

Quinoa
Botany, Production and Uses
Atul Bhargava, Shilpi Srivastava, both Amity University Lucknow Campus, India
Sep 2013 | HB | 9781780642260 | 264pp £99.90 | €127.20 | $187.95

Peppers
Botany, Production and Uses
Edited by Vincent M. Russo, USDA/ARS, USA
Feb 2012 | HB | 9781845937676 | 280pp £99.90 | €127.20 | $187.95
Controlled Atmosphere Storage of Fruit and Vegetables
3rd Edition

A. Keith Thompson, King Mongkut’s Institute of Technology, Thailand, Robert K. Prange, Dalhousie University, Canada, Roger D Bancroft, Post-Harvest Assistance, UK, Tongchai Puttongsiri, King Mongkut’s Institute of Technology, Thailand

This new, full colour edition presents current research to provide a comprehensive and up-to-date overview of controlled and modified atmosphere, hyperbaric and hypobaric storage of fresh fruits and vegetables. It includes 5 new chapters covering genetics and CA storage, dynamic CA storage, hyperbaric storage, hypobaric storage and fruit ripening.

Nov 2018 | HB | 9781786393739 | 448pp
£125 | €165 | $205

Automation in Tree Fruit Production
Principles and Practice

Edited by Qin Zhang, Washington State University, USA

Written by an international team of experts, this unique edited volume focuses on applications of automation technology to the important industry of tree fruit production. It is aimed at researchers and graduate students of agricultural and biological engineering, crop and soil sciences, precision agriculture, and other relevant disciplines.

Nov 2017 | HB | 9781780648507 | 312pp
£125 | €165 | $205

The Encyclopedia of Herbs and Spices: 2 volume pack

P N Ravindran, formerly Tata Tea and Tata Global Beverages, India

This highly illustrated reference work provides comprehensive coverage of the taxonomy, botany, chemistry, functional properties, medicinal uses, culinary uses and safety issues relating to over 250 species of herbs and spices.

Dec 2017 | HB | 9781780643151 | 1218pp
£400 | €520 | $660

Vegetable Grafting
Principles and Practices

Edited by Giuseppe Colla, DAFNE, Italy, Francisco Pérez-Alfocea, Consejo Superior de Investigaciones Científicas (CSIC), Spain, Dietmar Schwarz, Leibniz Institute of Vegetable and Ornamental Crops, Germany

This book provides comprehensive and current scientific and practical knowledge on vegetable grafting, a method gaining considerable interest as an alternative to the use of fumigants to protect crops from soil-borne diseases.

Jun 2017 | HB | 9781780648972 | 298pp
£87.50 | €113 | $144

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Medicinal Plants of the World
Ben-Erik van Wyk, University of Johannesburg, South Africa, and Michael Wink, University of Heidelberg, Germany
The book gives the reader a bird’s eye view of more than 350 of the best-known medicinal plants of the world and their uses, in a compact, colourful and scientifically accurate reference text.
Jun 2017 | HB | 9781786393258 | 520pp
£45 | €55 | $65

Strawberry
Growth, Development and Diseases
Edited by Amjad M. Husaini, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, India, Davide Neri, Council for Agricultural Research and Economics, Italy
This book includes up-to-date information on all aspects of strawberry cultivation from plant propagation, architecture, genetic resources, breeding, abiotic stresses and climate change, to evolving diseases and their control. It is written by an international team of specialists and covers current knowledge and emerging challenges.
Oct 2016 | HB | 9781780646633 | 348pp
£111.25 | €148.30 | $185.40

Plants and Planting on Landscape Sites
Selection and Supervision
Peter Ralph Thoday, Thoday Associates, UK
This short and practical book gives practitioners in landscape design the basic horticultural knowledge and concepts needed to understand the limits of the ‘material’ they are working with. From specification to planting, it provides concrete advice along with practical examples for each stage of a typical project.
Sep 2016 | HB | 9781780646183 | 170pp
£90.15 | €116.40 | $148.30
Sep 2016 | PB | 9781780646190 | 170pp
£30.90 | €41.20 | $51.50

Postharvest
An Introduction to the Physiology and Handling of Fruit and Vegetables
6th Edition
Ron Wills, University of Newcastle, Australia, John Golding, New South Wales Department of Primary Industries, Australia
Completely updated, this broad-based introductory level textbook covers the key concepts and practical technologies to slow the deterioration of harvested produce, including handling, packaging, transport, temperature management and the control of pests and diseases.
Sep 2016 | PB | 9781786391483 | 304pp
£39.99 | €55 | $75

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Leafy Medicinal Herbs
Botany, Chemistry, Postharvest Technology and Uses
Edited by Dawn C P Ambrose, Central Institute of Agricultural Engineering, India, Annamalai Manickavasagan, Sultan Qaboos University, Oman, Ravindra Naik, Central Institute of Agricultural Engineering, India

This book compiles the literature for 23 globally relevant leafy medicinal herbs. Beginning with a general overview and discussion of the importance of these plants, it then handles each herb by chapter.

Jul 2016 | HB | 9781780645599 | 296pp
£100.99 | €132.80 | $169.95

Environmental Horticulture
Science and Management of Green Landscapes
Ross Cameron, James Hitchmough, both University of Sheffield, UK

Environmental horticulture is horticulture we encounter in our daily lives. It includes parks, botanic gardens, sports facilities, roundabouts, cemeteries and shopping centres. This textbook gives an overview of the subject, discusses the impacts it has on the environment and covers the practical management of environmental horticulture.

Mar 2016 | PB | 9781780641386 | 326pp
£45 | €60 | $75

Garden Centre Management
Ken Crafer, Independent consultant, UK

Garden centre management has professionalised recently as garden centres become more advanced retail operations. Aimed at students, garden centre managers and garden centre management courses, the book offers a practical approach backed by management theory. It covers consumer behaviour; staff and stock management; marketing and productivity.

Sep 2015 | HB | 9781780643083 | 200pp
£88 | €115.35 | $165.80
Sep 2015 | PB | 9781780643090 | 200pp
£41.15 | €56.65 | $77.25

Nature of Crops, The
How we came to eat the plants we do
John Warren, Aberystwyth University, UK

Our ancestors chose to cultivate some plant species and not others. Through years of association with humans, these wild plants have been changed so that the crops we eat often hardly resemble their wild progenitors. Arranged into broad themes depicting the history of domestication, this book documents the history and biology of over 40 crops.

Apr 2015 | HB | 9781780645087 | 192pp
£47.90 | €63.65 | $90.15
Apr 2015 | PB | 9781780645094 | 192pp
£19.95 | €25 | $40

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Vegetable Production and Practices

Gregory E Welbaum, Virginia Tech University, USA

Jan 2015 | PB | 9781845938024 | 486pp
£45 | €60 | $85

Principles of Tropical Horticulture

David J Midmore, CQU University, Australia and University of Reading, UK

Apr 2015 | PB | 9781845935153 | 450pp
£41 | €56.50 | $77

Principles of Horticultural Physiology

Edward F Durner, Rutgers University, USA

Jun 2013 | HB | 9781780643069 | 416pp
£110.20 | €143.15 | $210.05

Greenhouse Technology and Management

2nd Edition

Nicolas Castilla, Agricultural Research and Training Institute, Spain

Dec 2012 | HB | 9781780641034 | 360pp
£110.20 | €143.15 | $210.05

Exotic Fruits and Nuts of the New World

Odilo Duarte, El Zamorano, Honduras, Robert E Paull, University of Hawaii at Manoa, USA

Jan 2015 | HB | 9781780645056 | 342pp
£50 | €60 | $70

Diseases of Temperate Horticultural Plants

Raymond A T George, formerly FAO, Italy, Roland T V Fox, formerly of University of Reading, UK

Nov 2014 | HB | 9781845937737 | 488pp
£61.80 | €72.10 | $87.55

Hemp

Industrial Production and Uses

Edited by Pierre Bouloc, Serge Allegret, Laurent Arnaud, all at La Chanvriere de L'Aube (LCDA), France

Sep 2013 | HB | 9781845937935 | 328pp
£99.90 | €127.20 | $187.95

Vegetable Seed Production, 3rd Edition

Raymond A T George, formerly FAO, Italy

Oct 2009 | HB | 9781845935214 | 328pp
£88 | €115.35 | $165.80

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Presenting Science Concisely
Bruce Kirchoff, Kimberly M. Cuny, both University of North Carolina at Greensboro, USA

The focus of this book is on shorter presentations, three-minute talks, poster presentations, elevator pitches and advocacy speeches. It begins with best practices for three-minute presentations, then applies the same principles to slightly longer (posters) and shorter (elevator pitches and advocacy speeches) presentations.

Sep 2021 | PB | 9781789246995 | 152pp
£19.99 | €25 | $30

Applied Plant Science Statistical Design and Analysis Using the SAS® University Edition
Edward F Durner, Rutgers, The State University of New Jersey, USA

Presenting the most frequently used statistical methods for plant science in a non-intimidating fashion and teaching the appropriate use of SAS® within the context of plant science research, this book includes numerous examples and is a key resource for students and scientists undertaking statistical analysis and experimental design.

Jun 2021 | PB | 9781789245981 | 264pp
£35 | €45 | $50

Plant Pathology and Plant Diseases
Anne Marte Tronsmo, Norwegian University of Life Sciences, Norway, David B. Collinge, University of Copenhagen, Denmark, Annika Djurle, Swedish University of Agricultural Sciences, Sweden, Lisa Munk, University of Copenhagen, Denmark, Jonathan Yuen, Swedish University of Agricultural Sciences, Sweden, Arne Tronsmo, Norwegian University of Life Sciences, Norway

This new textbook provides a comprehensive introduction to all aspect of plant diseases, including pathogens, plant-pathogen interactions, their management, and future perspectives.

Sep 2020 | HB | 9781789243185 | 400pp
£100 | €115 | $135
Sep 2020 | PB | 9781789243178 | 400pp
£49.99 | €57.50 | $67.50

Tropical Tuber Starches
S N Moorthy, formerly CTCRI, India, M S Sajeev, CTCRI, India, R P K Ambrose, Purdue University, USA, and R J Anish, Kerala University, India

Comprehensively exploring the morphological, structural and functional characteristics of tropical tuber starches, particularly in relation to their applications in food and industry, this book is suitable for academic and commercial researchers interested in starch, students in food and plant sciences, and plant breeders.

Sep 2020 | HB | 9781786394811 | 256pp
£105 | €140 | $175
Handbook of Phytosanitary Risk Management
Theory and Practice
Charles Yoe, Notre Dame of Maryland University, USA, Robert Griffin, formerly USDA-APHIS-PPQ, USA, Stephanie Bloem, North American Plant Protection Organisation, USA

Phytosanitary risk management is essential to the global economy. This book is about managing phytosanitary risks of trade and non-trade issues and the fundamentals of how to manage those risks in an effective and efficient manner. It covers risk management models, best practice, phytosanitary measures and current risk management issues.

Sep 2020 | HB | 9781780648798 | 392pp
£150 | €175 | $200

Plants as a Source of Natural Antioxidants
Edited by Nawal Kishore Dubey, Banaras Hindu University, India

A comprehensive overview of the health effects of plant based antioxidants, this book reviews medicinal and aromatic plants from around the world. It covers the different sources of antioxidants, the role of abiotic and biotic stresses, endophytes, transgenic approaches in scavenging ROS and antioxidant plants used in different therapeutic systems.

Dec 2014 | HB | 9781780642666 | 320pp
£89.99 | €117 | $170.95
Oct 2019 | PB | 9781786395566 | 318pp
£45 | €55 | $65

The Science of Communicating Science
The Ultimate Guide
Craig Cormick, CSIRO, Australia

Are you wishing you knew all you need to know about how to better communicate science, without having to read several hundred academic papers and blogs and books? This highly readable and entertaining book captures the breadth of research into best practice science communications and has distilled it into accessible chapters.

Sep 2019 | PB | 9781789245141 | 256pp
£27.5 | €35

Food Plants of the World
Identification, Culinary Uses and Nutritional Value
Ben-Erik van Wyk, University of Johannesburg, South Africa

This revised edition is an indispensable reference guide for anyone interested in the botanical origin of food ingredients and flavours.

Jul 2019 | HB | 9781789241303 | 520pp
£49.99 | €59.99 | $69.99

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Sustainable Bamboo Development
Zhu Zhaohua, formerly Chinese Academy of Forestry, China, Jin Wei, International Bamboo and Rattan Organization

This book presents over 40 cases of bamboo development from across 22 major bamboo-industry countries and explores the knowledge gained from their successes and failures. It synthesises experiences and exchanges with country experts from international training courses, study tours and seminars.

Feb 2018 | HB | 9781786394019 | 314pp
£105 | €140 | $175

Plant Stress Physiology
2nd Edition
Edited by Sergey Shabala, University of Tasmania, Australia

This book provides a timely update on the recent progress in our knowledge of all aspects of plant perception, signalling an adaptation to a variety of environmental stresses. It covers in detail areas such as drought, salinity, temperature and pH extremes, waterlogging, oxidative stress and pathogens.

Jan 2017 | HB | 9781780647296 | 376pp
£97.99 | €128.95 | $165

Advances in PGPR Research
Edited by Harikesh Bahadur Singh, Birinchi K Sarma, Chetan Keswani, all at Banaras Hindu University, India

Rhizosphere biology is approaching a century of investigations wherein Plant Growth-Promoting Rhizobacteria have attracted special attention for their ability to enhance productivity, profitability and sustainability. This book explores recent developments and global issues in biopesticide research, including extended case studies.

Nov 2017 | HB | 9781786390325 | 466pp
£135 | €175 | $225

Plant Biodiversity
Monitoring, Assessment and Conservation
Edited by Abid A Ansari, University of Tabuk, Saudi Arabia, Sarvajeet Singh Gill, MD University, India, Zahid Khoshid Abbas, University of Tabuk, Saudi Arabia, M Naeem, Aligarh Muslim University, India

This book presents a series of essays on how the results of monitoring and assessment of different aspects of plant biodiversity can be used to combat species extinction and ecosystem collapse using case studies from around the world in terrestrial and aquatic ecosystems.

Dec 2016 | HB | 9781780646947 | 628pp
£159.15 | €206 | $265.25

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Molecular Methods in Plant Disease Diagnostics
Principles and Protocols
Edited by Neil Boonham, Newcastle University, UK, Jenny Tomlinson, Fera, UK, Rick Mumford, formerly Fera, UK
Apr 2016 | HB | 9781780641478 | 212pp
£79.30 | €103 | $132.80

Amino Acids in Higher Plants
Edited by J P F D’Mello, formerly Scottish Agricultural College, UK
Apr 2015 | HB | 9781780642635 | 632pp
£165.80 | €215.25 | $320.35

Plant Adaptation to Environmental Change
Significance of Amino Acids and their Derivatives
Edited by Naser A Anjum, Sarvajeet Singh Gill, MD University, India, Ritu Gill, MD University, India
Jan 2014 | HB | 9781780642734 | 344pp
£123.50 | €160 | $235.95
Oct 2019 | PB | 9781786395252 | 344pp
£60 | €70 | $85

Water Dynamics in Plant Production
2nd Edition
Wilfried Ehlers, University of Göttingen, Germany, Michael Goss, University of Guelph, Canada
Mar 2016 | HB | 9781780643816 | 396pp
£132.85 | €175.05 | $217.35
Mar 2016 | PB | 9781780643823 | 396pp
£45 | €60 | $75

Applied Plant Virology
Calum Rae Wilson, University of Tasmania, Australia
Aug 2014 | PB | 9781845939915 | 192pp
£43 | €58.70 | $80.50

Natural Antioxidants and Biocides from Wild Medicinal Plants
Edited by Carlos L Cespedes, University of Bio Bio, Chile, D A Sampietro, Universidad Nacional de Tucumán, Argentina, Mahendra Rai, SGB Amravati University, India, D S Seigler, University of Illinois, USA
Apr 2013 | HB | 9781780642338 | 288pp
£110.20 | €143.15 | $210.05

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Diagnosing Hemp and Cannabis Crop Diseases
Shouhua Wang, Nevada Department of Agriculture, USA
Extensively illustrated with almost 300 colour photographs, this book describes how to diagnose hemp and cannabis crop diseases. It is aimed as a practical guide for farmers and growers, as well as researchers in plant pathology.
Oct 2021 | HB | 9781789246070 | 256pp
£75 | €90 | $105

Molecular Breeding in Wheat, Maize and Sorghum
Strategies for Improving Abiotic Stress Tolerance and Yield
Edited by Mohammad Anwar Hossain, Bangladesh Agricultural University, Bangladesh, Mobashwer Alam, Queensland Alliance for Agriculture and Food Innovation, Australia, Saman Seneweera, National Institute of Fundamental Studies, Sri Lanka, Sujay Rakshit, ICAR-Indian Institute of Maize Research, India, Robert J Henry, Queensland Alliance for Agriculture and Food Innovation, Australia
This book covers the latest understanding of molecular and genetic bases of abiotic stress tolerance and yield improvement of wheat, maize and sorghum, to develop strategies for improved stress tolerance and enhanced crop productivity.
Oct 2021 | HB | 9781789245431 | 704pp
£195 | €235 | $275

Demand-led Plant Breeding
From Principles to Practice in Emerging Markets
Vivienne M Anthony, Syngenta Foundation for Sustainable Agriculture, Switzerland
Demand-led breeding has the potential to combine the best of institutional and commercial approaches to produce plant varieties that are really needed. This book shows how the approach works in practice with case studies and analysis.
Aug 2021 | HB | 9781789246575 | 216pp
£85 | €100 | $115

Hydroponics and Protected Cultivation
A Practical Guide
Lynette Morgan, SUNTEC International Hydroponic Consultants, New Zealand
A comprehensive, practical text which covers a diverse range of protected cropping and hydroponic techniques, systems, greenhouse types and environments. It also covers related subjects such as the use of indoor plant factories, vertical hydroponic systems, organic hydroponics, aquaponic and other systems.
Mar 2021 | HB | 9781789244830 | 320pp
£49.99 | €57.50 | $67.50

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Genetically Modified Crops in Asia Pacific

Edited by Govind T Gujar, South Asia Biotechnology Centre, New Delhi, Andi Trisyono, University of Gadjah Mada, Indonesia, Mao Chen, APAC Bayer Crop Science, Singapore

This book shows the progress of GM crop adoption across the Asia-Pacific region over the past decade, and provides important insights for countries in the process of adopting and regulating GM technologies.

Feb 2021 | HB | 9781789248418 | 344pp
£115 | €132.50 | $155

GM Crops and the Global Divide

Jennifer Thomson, Emeritus Professor, University of Cape Town, South Africa

Discusses the impact that anti-GM crop attitudes have on nutrition security in developing countries and updates scientists, regulatory authorities, decision makers and the interested public on the current status of GM crops in developed and developing countries, giving first-hand accounts from people involved in growing, promoting and regulating GM crops.

Jan 2021 | PB | 9781789248401 | 200pp
£30 | €35 | $40

Quantitative Genetics, Genomics and Plant Breeding

2nd Edition

Edited by Manjit S Kang, Louisiana State University, USA

Quantitative genetics and breeding have made a major contribution to crop improvement over the years, but the genomics revolution has dramatically changed the field - this second edition of a popular book explains how traditional and genomic techniques have been combined to advance the field.

Apr 2020 | HB | 9781789240214 | 416pp
£125 | €150 | $175

Healthy Soils for Healthy Vines

Soil Management for Productive Vineyards

Robert White, University of Melbourne, Australia, and Mark Krstic, Australian Wine Research Institute, Australia

Healthy Soils for Healthy Vines provides a clear understanding of vineyard soils and how to manage and improve soil health for best vineyard performance.

Aug 2019 | HB | 9781789243161 | 224pp
£75 | €90 | $105

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Techniques in Plantation Science

Field Trials in Oil Palm Breeding, A Manual
Baihaqi Sitepu, Nur D Laksono, Umi Setiawati, Fazrin Nur, Miranti Rahamaningsih, Yassier Anwar, Pujo Widodo, Brian P Forster, Abdul R. Purba

Nov 2019 | PB | 9781789241396 | 108pp
£25 | €30 | $35

Nursery Practices in Oil Palm, A Manual
Nur D Laksono, Umi Setiawati, Fazrin Nur, Miranti Rahamaningsih, Yassier Anwar, Heru Rusfiandi, Eben Haeser Sembiring, Brian P Forster, Avasarala Sreenivasa Subbarao, Hafni Zahara

Aug 2019 | PB | 9781789242140 | 120pp
£25 | €30 | $35

Crossing in Oil Palm, A Manual
Umi Setiawati, Baihaqi Sitepu, Fazrin Nur, Brian P Forster, Sylvester Dery

Sep 2018 | PB | 9781786395917 | 96pp
£19.99 | €25 | $30

Mutation Breeding in Oil Palm, A Manual
Brian P Forster, Jennifer Ciomas, Soeranto Hoeman, Fazrin Nur, Samual A. Osei, Samuel Amiteye, Ljupcho Jankuloski

Sep 2018 | PB | 9781786396211 | 96pp
£19.99 | €25 | $30

Trichoderma: Ganoderma Disease Control in Oil Palm, A Manual
Ike Virdiana, Miranti Rahamaningsih, Brian P Forster, Monika Schmoll, Julie Flood

Sep 2019 | PB | 9781789241457 | 120pp
£19.99 | €25 | $30

Bunch & Oil Analysis of Oil Palm, A Manual
Pujo Widodo, Fazrin Nur, Evi Nafisah, Brian P Forster, Hasril Abdi Hasibuan

May 2019 | PB | 9781789241365 | 104pp
£19.99 | €25 | $30

Nursery Screening for Ganoderma Response in Oil Palm Seedlings, A Manual
Syamsul Bahri, Yassier Anwar, Frédéric Breton, Miranti Rahamaningsih, Ike Virdiana, Brian P Forster

Sep 2018 | PB | 9781786396242 | 96pp
£19.99 | €25 | $30

Seed Production in Oil Palm, A Manual

Sep 2018 | PB | 9781786395887 | 96pp
£19.99 | €25 | $30

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
The Bioeconomy
Delivering Sustainable Green Growth
Davide Viaggi, University of Bologna, Italy

The “bioeconomy” is the idea of economic activity involving the sustainable exploitation of biological resources. This book illustrates state of the art perspectives in the development of the bioeconomy across the world, taking an economic and policy perspective, and identifies potential future pathways and issues.

Dec 2018 | HB | 9781786392756 | 224pp
£85 | €110 | $140

Reorienting Indian Agriculture
Challenges and Opportunities
Raj S. Paroda, Trust for Advancement of Agricultural Sciences, India

While the “Green Revolution” was a major success, many issues with food production and increasing population and climate change mean that countries such as India face major challenges. Paroda argues for choosing the best technologies and blending them with rich traditional knowledge to attain sustainable development goals.

Nov 2018 | HB | 9781786395177 | 336pp
£39 | €45 | $55

Crisis and Conflict in Agriculture
Edited by Rami Zurayk, American University of Beirut, Lebanon, Eckart Woertz, Barcelona Centre for International Affairs, Spain, Rachel Bahn, American University of Beirut, Lebanon

This book examines both how agriculture and rural issues can cause crisis and conflict, and what the effects of crisis and conflict, including violence and natural disasters, are on agriculture. Case studies examine a wide range of crises and conflicts, primarily in developing countries, and appropriate responses to mitigate their effects.

Sep 2018 | HB | 9781786393647 | 316pp
£95 | €125 | $160

Maize Kernel Development
Edited by Brian A Larkins, formerly University of Nebraska, USA

This comprehensive book acts as a guide to understanding maize kernel development. It covers topics spanning pre- and post-fertilization events, embryo and endosperm development, grain filling and maturation, and factors that influence crop yield. It addresses existing hypotheses plus important gaps in our knowledge and how we might fill them.

Nov 2017 | HB | 9781786391216 | 252pp
£95 | €125 | $160
The Business of Plant Breeding
Market led Approaches to Plant Variety Design in Africa
Edited by Gabrielle J Persley, University of Queensland, Australia, and The Doyle Foundation, UK, Vivienne M Anthony, Syngenta Foundation for Sustainable Agriculture, Switzerland

This book shares best practices that are applicable to improving tropical crops in Africa. It covers areas such as the principles of demand-led plant breeding, understanding client demands and breeding strategy.

Nov 2017 | HB | 9781786393814 | 216pp
£82.50 | €108 | $139

Download this title for free at: www.cabi.org/cabebooks

UV-B Radiation and Plant Life
Molecular Biology to Ecology
Edited by Brian R Jordan, Lincoln University, New Zealand

Variation in UV-B radiation is crucial to climate change and crop productivity. This book focuses on its environmental interactions, and how plants both protect themselves against UV-B and are stimulated by it.

Oct 2017 | HB | 9781780648590 | 192pp
£97.99 | €128.95 | $165

Legumes in Cropping Systems
Edited by Donal Murphy-Bokern, Independent scientist, Germany, Fred Stoddard, University of Helsinki, Finland, Christine Watson, SRUC, UK

A comprehensive overview of legume research, from intercropping with legumes and cereals to legumes grown as a primary protein source, crop protection progress and policy issues. It contributes to debate and knowledge for the rebalance of farming and food using legumes.

May 2017 | HB | 9781780644981 | 278pp
£87.50 | €113 | $144

Download this title for free at: www.cabi.org/cabebooks

Integrated Management of Insect Pests on Canola and other Brassica Oilseed Crops
Edited by Gadi V P Reddy, Montana State University, USA

This book reviews current pest management practices and explores new biological and chemical control methods, and integrated pest management strategies in this important crop. It is essential reading for pest management practitioners and researchers working on pest management in canola crops worldwide.

Apr 2017 | HB | 9781780648200 | 408pp
£180 | €236.95 | $298.95

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Seed Biology and Yield of Grain Crops
2nd Edition
Dennis B Egli, University of Kentucky, USA
This second edition of an established title examines the determination of grain crop yield from a unique perspective, by concentrating on the influence of the seed itself.
Feb 2017 | HB | 9781780647708 | 232pp
£87.50 | €113 | $144

Tropical Forage Legumes
Harnessing the Potential of Desmanthus and Other Genera for Heavy Clay Soils
John R. Lazier, Independent Consultant, Canada, and Nazeer Ahmad, formerly University of the West Indies, Trinidad and Tobago
This book explores the importance of heavy clay soils to agricultural productivity in the tropics and subtropics and the identification of adapted, productive forage legumes for this environment.
Jul 2016 | HB | 9781780646282 | 490pp
£143.15 | €185.40 | $238.90

Enhancing Crop Genepool Use
Capturing Wild Relative and Landrace Diversity for Crop Improvement
Edited by Nigel Maxted, University of Birmingham, UK, M Ehsan Dulloo, Bioversity International, Italy, Brian V Ford-Lloyd, University of Birmingham, UK
Based on the international conference 'Enhanced Genepool Utilization: Capturing wild relative and landrace diversity for crop improvement', this book addresses all aspects of utilization and conservation of crop wild relative (CWR) and landrace (LR) diversity for crop improvement.
May 2016 | HB | 9781780646138 | 496pp
£143.15 | €185.40 | $238.90

Sustainable Crop Disease Management using Natural Products
Edited by Sangeetha Ganesan, Central Horticultural Experiment Station (ICAR-IIHR), India, Kurucheve Vadivel, Annamalai University, India, Jayaraj Jayaraman, The University of The West Indies, Trinidad and Tobago
This book deals with the immediate concerns in the field of natural and alternative products for crop disease control.
Nov 2015 | HB | 9781780643236 | 424pp
£60 | €70 | $80

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<td>James F Hancock</td>
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Fungicides in Practice
Richard P. Oliver, Curtin University, Australia
Janna L Beckerman, Purdue University, USA

Fungicide resistance is a major problem in agriculture, and one that affects us all. This is a guide for practitioners and scientists involved in fungicide research and use.

Aug 2021 | HB | 9781789246902 | 256pp
£105 | €125 | $150

Insect Pest Management
3rd Edition
David R Dent, Dent Associates Ltd, UK,
Richard H Binks, FreshTec, UK

This new, third edition has been thoroughly updated to include all the key principles, methodologies, approaches and practical examples of insect pest management in agricultural, post harvest and horticultural contexts, as well as looking at insects as vectors of disease from a medical and veterinary perspective.

Nov 2020 | HB | 9781789241051 | 408pp
£125 | €150 | $175
Nov 2020 | PB | 9781789241044 | 408pp
£49.99 | €60 | $70

Ecological and Economic Entomology
A Global Synthesis
Brian Freeman, formerly University of the West Indies, Jamaica

Covering all insect pests of plants, humans and livestock, this book provides a comprehensive reference text to ecological and economic entomology. Taking a global approach, it considers climate and plant community distributions. It is recommended for entomologists working in agricultural, medical and veterinary professions as well as academia.

Oct 2020 | HB | 9781789241181 | 784pp
£195 | €235 | $275

Optical Manipulation of Arthropod Pests and Beneficials
Edited by David Ben-Yakir, Agricultural Research Organization, Israel

This is the first comprehensive book on the use of light to manipulate insect pests. It includes information on important arthropod pests, pollinators, biocontrol agents and also medical/veterinary pests, and discusses the potential use of optical manipulation to improve the health of plants, domestic animals and humans.

Jun 2020 | HB | 9781786394705 | 192pp
£85 | €100 | $120

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
The UK Pesticide Guide 2020
Edited by Martin A Lainsbury, Association of Independent Crop Consultants (AICC), BCPC for the UKPG

By far the biggest change to *The UK Pesticide Guide* in 2020 is the loss of a number of active ingredients that have been fundamental to many crop protection programmes. The final use-up of chlorothalonil formulations; propiconazole, fenpropimorph, chloridazon and diquat occurs in 2020 but there are also a few of exciting new additions.

Jan 2020 | PB | 9781999896638 | pp  
£58 | €65 | $80

Pesticide Risk Assessment
Sumitra Arora, ICAR-National Research Centre for Integrated Pest Management, India


Apr 2019 | HB | 9781780646336 | 358pp  
£105 | €125 | $150

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Asian Citrus Psyllid
Biology, Ecology and Management of the Huanglongbing Vector
Edited by Jawwad A Qureshi, University of Florida, USA, Philip A Stansly, formerly University of Florida, USA

This is the first book to be published which specifically focuses on Asian Citrus Psyllid and the intractable disease it spreads in citrus crops (Huanglongbing disease).

Jun 2020 | HB | 9781786394088 | 312pp  
£95 | €115 | $135

Biology and Management of *Bactrocera* and Related Fruit Flies
Anthony R Clarke, Queensland University of Technology, Australia

This book is the only single source which provides students, field entomologists, extension officers, quarantine officers and market access negotiators with a rapid, yet comprehensive introduction to this economically important group of fruit flies.

Jul 2019 | HB | 9781789241822 | 268pp  
£75 | €90 | $105

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The Economics of Soybean Disease Control
Kenneth Zahringer, Nicholas Kalaitzandonakes, James Kaufman, all at University of Missouri-Columbia, USA

Although soybean is a major global crop, it suffers significant losses often because of an incomplete understanding of the extent of soybean diseases, and the feasibility and benefits of disease control. This book covers evidence on disease incidence and severity, management strategies and new technologies.

Apr 2019 | HB | 9781780648088 | 220pp
£95 | €125 | $160

Biopesticides Manual
Guidelines for Selecting, Sourcing, Producing and Using Biopesticides for Key Pests of Tobacco
Keith A Holmes, Dirk Babendreier, Melanie Bateman, Malvika Chaudhary, Julien Grunder, Margaret Mulaa, Léna Durocher-Granger, Muhammad Faheem, all at CABI

A hands-on training guide on biopesticides, to promote sustainable solutions for managing pests, such as microbials, botanicals, semiochemicals, predators and parasitoids.

Feb 2019 | PB | 9781789242027 | 158pp
£25 | €32 | $40
Download this title for free at: www.cabi.org/cabebooks

Field Guide for the Identification of Damage on Woody Sentinel Plants
Edited by Alain Roques, INRA Orleans, France, Michelle Cleary, Swedish University of Agricultural Sciences, Sweden, Iryna Matsiakh, Ukrainian National Forestry University, Ukraine, René Eschen, CABI, Switzerland

This book is a practical guide for the identification of likely causal agents of damage to trees and woody shrubs. It is intended for use in sentinel plantings, where agents often may not be known and only damage visible.

Sep 2017 | PB | 9781786394408 | 312pp
Download this title for free at: www.cabi.org/cabebooks

Biocontrol Agents
Entomopathogenic and Slug Parasitic Nematodes
Edited by Mahfouz M M Abd-Elgawad, National Research Centre, Egypt, Tarique Hassan Askary, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir (SKUAST-K), India, James Coupland, FarmForest Research Inc, Canada

This book covers new techniques, major developments and plans for future strategies to make these nematodes cost-effective and expand their use.

Jul 2017 | HB | 9781786390004 | 662pp
£154.50 | €200 | $257.50

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Crop protection

CABI Plant Protection Series

Integrated Pest Management in Tropical Regions
Edited by Carmelo Rapisarda, Giuseppe E Massimino Cocuzza, both Università degli Studi di Catania, Italy
This book provides up-to-date, comprehensive coverage of research and applications of IPM in tropical regions. It explores the agro-ecological framework of IPM and emerging technologies in chemical and biological methods central to pest control, and by a crop-based approach details IPM applications in tropical food crops, fibre crops and forests.

Dec 2017 | HB | 9781780648002 | 360pp
£95 | €125 | $160

Phytophthora
A Global Perspective
Edited by Kurt Lamour, University of Tennessee, USA
Members of the genus Phytophthora cause serious damage to an array of plants. This book provides an overview of species impacting crops, forests, nurseries, greenhouses and natural areas worldwide. It covers major hosts, identification, epidemiology, management, current research, future perspectives and impacts of globalization on Phytophthora.

Mar 2013 | HB | 9781780640938 | 256pp
£99.90 | €127.20 | $187.95

Virus Diseases of Tropical and Subtropical Crops
Edited by Paula Tennant, University of West Indies, Jamaica, Gustavo Fermin, Instituto Jardín Botánico de Mérida, Venezuela
Plant viruses are formidable foes for cultivated crops in tropical and sub-tropical areas; this book helps readers to understand their versatile interactions with the host and transmission vectors to agricultural production.

Dec 2015 | HB | 9781780644264 | 264pp
£50 | €60 | $70

Disease Resistance in Wheat
Edited by Indu Sharma, Punjab Agricultural University, India
Disease resistance can help sustain yield potential in cultivated crops. This book looks at disease resistance in wheat, concentrating on all of the economically important diseases - their economic impact and geographical spread, breeding for resistance, pathogen variability, resistance mechanisms and recent advances made on resistance genes.

May 2012 | HB | 9781845938185 | 336pp
£110.20 | €143.15 | $210.05

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Handbook of Pest Management in Organic Farming
Edited by Vincenzo Vacante, Mediterranean University, Italy, Serge Kreiter, Montpellier SupAgro, France

An up-to-date, comprehensive reference for pest management in organic systems, including practical advice, tables and diagrams. Introductory chapters explore the management of crops to prevent outbreaks, plant protection tools, natural enemies and pest control. Crop-based chapters discuss geographic distribution, economic importance and key pests.

Dec 2017 | HB | 9781780644998 | 576pp
£175 | €230 | $290

Review of Invertebrate Biological Control Agents Introduced into Europe
Esther Gerber, Longo Mai, Switzerland, Urs Schaffner, CABI, Switzerland

This book provides an overview of all documented releases of exotic (non-European) invertebrate biological control agents (IBCAs) into the environment in Europe and summarizes key information on the target species as well as on the biological control agent released.

Nov 2016 | HB | 9781786390790 | 208pp
£100.99 | €132.80 | $169.95

Biocontrol of Major Grapevine Diseases
Leading Research
Edited by Stéphane Compant, AIT Austrian Institute of Technology GmbH, Austria, Florence Mathieu, INP-ENSAT, France

This book provides a thorough research update on the very topical subject of biological control of grapevine diseases. It covers fungi, oomycete, bacteria and phytoplasma, and is particularly relevant to organic viticulture but also beneficial as part of IPM strategies for traditional production.

Mar 2016 | HB | 9781780647128 | 262pp
£100.99 | €132.80 | $169.95
The Handbook of Naturally Occurring Insecticidal Toxins
Opender Koul, Insect Biopesticide Research Centre, India

Nov 2016 | HB | 9781780642703 | 864pp
£196.20 | €254.40 | $313.05

Pesticide Encyclopedia
Vasant Gowariker, Government of India, V N Krishnamurthy, VSSC, India, Sudha Gowariker, Independent Consultant, India, Kalyani Paranjape, Independent Consultant, India

Dec 2014 | HB | 9781780640143 | 726pp
£103 | €128.75 | $164.80

Integrated Pest Management Principles and Practice
Edited by Dharam P Abrol, Uma Shankar, both Sher-e-Kashmir University of Agricultural Sciences and Technology, India

Jul 2012 | HB | 9781845938086 | 512pp
£143.15 | €193.15 | $276
Mar 2016 | PB | 9781786390318 | 512pp
£46.35 | €61.80 | $77.25

Fungicides in Crop Protection 2nd Edition
Richard P. Oliver, Curtin University, Australia, H G Hewitt, University of Reading, UK

Oct 2014 | HB | 9781780641669 | 200pp
£92.70 | €120.50 | $176.10
Oct 2014 | PB | 9781780641676 | 200pp
£42.25 | €58.20 | $79.30

Plant Pest Risk Analysis Concepts and Application
Edited by Christina Devorshak, USDA-APHIS-PPQ

Nov 2012 | HB | 9781780640365 | 312pp
£88 | €115.35 | $165.80

Fungal Plant Pathogens
Edited by Charles R Lane, The Food and Environment Research Agency (Fera), UK, Paul Beales, Animal & Plant Health Agency (APHA), UK, Kelvin J D Hughes, Animal & Plant Health Agency (APHA), UK

Mar 2012 | PB | 9781845936686 | 324pp
£42.25 | €58.20 | $79.30

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Invasive Plant-Parasitic Nematodes
Ziaul Haque, Mujeebur Rahman Khan, both Aligarh Muslim University, India

This book contains information on around 100 invasive plant nematodes and their potential threat in different countries.

Feb 2021 | HB | 9781789247367 | 304pp
£105 | €120 | $140

Techniques for Work with Plant and Soil Nematodes
Edited by Roland N Perry, University of Hertfordshire, UK, David J Hunt, CABI, UK, and Sergei A Subbotin, California Department of Food and Agriculture, USA

This up-to-date, comprehensive book covers the practicalities of working with and studying soil and plant nematodes. Written by an international team of experts, it includes traditional and new methodologies, as well as sections on behavioural and physiological assays, and cytogenetic, biochemical and molecular biology techniques.

Nov 2020 | HB | 9781786391759 | 376pp
£95 | €110 | $130

Biological Control of Plant-parasitic Nematodes
Soil Ecosystem Management in Sustainable Agriculture
2nd Edition
Graham R. Stirling, Biological Crop Protection Pty. Ltd, Australia

This book integrates soil health, sustainable agriculture, nematode ecology and suppressive services provided by the soil food web to provide holistic solutions. With particular focus on integrated soil biology management, it describes how to enhance the activity of natural enemies and use soil biological processes to reduce losses from nematodes.

May 2014 | HB | 9781780644158 | 536pp
£133.99 | €177 | $257.50
Oct 2019 | PB | 9781786395337 | 534pp
£65 | €80 | $90

NEW IN PAPERBACK

Plant Parasitic Nematodes in Subtropical and Tropical Agriculture
3rd Edition
Edited by Richard A Sikora, University of Bonn, Germany, Danny Coyne, International Institute of Tropical Agriculture, Kenya, Johannes Hallmann, Julius Kühn-Institute, Germany, Patricia Timper, USDA, USA

Fully revised and in full colour, this third edition reflects on the impact of nematodes on food security and climate change interactions and includes a new chapter on nematode soil biodiversity in health. It covers major food and cash crops and provides guidance on extraction methods, processing and diagnosis of plant and soil nematodes, and IPM.

Aug 2018 | HB | 9781786391247 | 898pp
£150 | €195 | $250

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Cyst Nematodes
Edited by Roland N Perry, University of Hertfordshire, UK, Maurice Moens, Flanders Research Institute for Agriculture, Fisheries and Food, Belgium, John T Jones, The James Hutton Institute, UK
Apr 2018 | HB | 9781786390837 | 488pp
£135 | €175 | $225

Plant Nematology
2nd Edition
Edited by Roland N Perry, University of Hertfordshire, UK, Maurice Moens, Flanders Research Institute for Agriculture, Fisheries and Food, Belgium
Oct 2013 | HB | 9781780641515 | 568pp
£127.20 | €164.80 | $243.05
Oct 2013 | PB | 9781780641539 | 568pp
£65.90 | €88.05 | $127.20

Parasitic Nematodes
Molecular Biology, Biochemistry and Immunology
2nd Edition
Edited by Malcolm W Kennedy, University of Glasgow, UK, William Harnett, University of Strathclyde, UK
Jun 2013 | HB | 9781845937591 | 448pp
£138 | €182.30 | $265.25

Biocontrol Agents of Phytonematodes
Edited by Tarique Hassan Askary, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir (SKUAST-K), India, P R P Martinelli, Universidade Estadual Paulista (FCAV -UNESP), Brazil
Jun 2015 | HB | 9781780643755 | 480pp
£75 | €90 | $100

Trichoderma
Biology and Applications
Edited by Prasun K Mukherjee, U S Singh, B A Horwitz, Monika Schmoll, AIT, Austria, Mala Mukherjee, Central Institute for Cotton Research, India
Sep 2013 | HB | 9781780642475 | 344pp
£110.20 | €143.15 | $210.05
Gene Flow
Monitoring, Modelling and Mitigation
Edited by Wei Wei, Institute of Botany, Chinese Academy of Sciences, China, Neal Stewart, University of Tennessee, USA

This book discusses gene flow of transgenes from genetically modified organisms into nature, with a focus on monitoring, modelling and mitigation. It includes both scientific reviews and perspectives on gene flow and experimental case studies, for example, gene flow of soyabean and poplar.

Aug 2021 | HB | 9781789247480 | 200pp
£85 | €105 | $120

Biotechnology of Fruit and Nut Crops
2nd Edition
Edited by Richard E Litz, University of Florida, USA, Fernando Pliego-Alfaro, Universidad de Málaga, Spain, Jose Ignacio Hormaza, IHSM la Mayora, Spain

This book covers the biotechnology of all major fruit and nut species, with colour illustrations illustrating the crop species and their wild relatives. It details well-established techniques such as protoplast culture, in vitro mutagenesis and ploidy manipulation, but also newer approaches such as genomics and marker-assisted selection.

Jan 2020 | HB | 9781780648279 | 704pp
£195 | €255 | $320

GM Agriculture and Food Security
Fears and Facts
Stuart Smyth, University of Saskatchewan, Canada, William A Kerr, University of Saskatchewan, Canada, Peter W B Phillips, University of Saskatchewan, Canada

Myths about biotechnology have prevented it from helping improve food security in the developing world. This book explores the theory, evidence and rhetoric of the impact of food production on the environment, and vice versa.

Aug 2019 | HB | 9781786392213 | 184pp
£95 | €125 | $160
Aug 2019 | PB | 9781786392244 | 184pp
£39.99 | €55 | $65

Emerging Trends in Agri-Nanotechnology
Fundamental and Applied Aspects
Edited by Harikesh Bahadur Singh, Banaras Hindu University, India, Sandhya Mishra, Banaras Hindu University, India, Leonardo Fernandes Fraceto, São Paulo State University, Brazil, and Renata de Lima, University of Sorocaba, Brazil

The science of nanotechnology – the manipulation, design and engineering of devices at the atomic and molecular scale – is starting to be applied to many disciplines including aspects of agriculture and crop science. This edited volume reviews the current state of knowledge and explores potential applications.

Apr 2018 | HB | 9781786391445 | 322pp
£125 | €165 | $105

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CABI Biotechnology Series

**The Economics of Biotech Quality Enhanced Crops**

**The Case of High Oleic Soybeans**

*Nicholas Kalaitzandonakes, Alex Magnier,* Both University of Missouri-Columbia, USA

Biotech crops with enhanced quality traits have faced technical complexities, regulatory uncertainties and challenging economic situations, slowing their introduction. This book presents a framework for analyzing their economics, from concept to commercial introduction and use, focusing on how economic value and supply chains must be modified.

Aug 2021 | HB | 9781780648477 | 384pp
£125 | €165 | $205

**Forest Genomics and Biotechnology**

*Richard Meilan,* Purdue University, USA, *Matias Kirst,* University of Florida, USA

An authoritative update of forest tree biotechnology and genomics methodologies, this book discusses approaches for traditional breeding improvement of forest-tree species and production of forest-based products. It describes in detail the environmental, social, legal, and regulatory aspects of forest biotechnology, with an emphasis on biosafety.

Dec 2019 | HB | 9781780643502 | 288pp
£85 | €110 | $140

**Plant-derived Pharmaceuticals**

*Principles and Applications for Developing Countries*

Edited by *Kathleen L. Hefferon,* University of Toronto, Canada

Describing developments in the engineering and generation of plants as production platforms for biopharmaceuticals, this book includes vaccines and monoclonal antibodies. It discusses targeting diseases which predominate in less developed countries, encompassing the current state of technologies and describing expression systems and applications.

Oct 2014 | HB | 9781780643434 | 180pp
£80 | €107 | $155.50
Oct 2019 | PB | 9781786395443 | 180pp
£40 | €50 | $55

**Transgenic Insects**

*Techniques and Applications*

Edited by *Mark Quentin Benedict,* University of Perugia, Italy

Insect transgenesis promises improvements in agriculture, pharmaceuticals and public health. This book discusses the latest insect transgenesis technology and its applications. It considers the larger risks, social and economic aspects of transgenic insects whose value must be proven in political, regulatory and public acceptance arenas.

Oct 2014 | HB | 398 pp | 9781780644516
£101.99 | €133.95 | $192.50
Nov 2019 | PB | 398 pp | 9781786395436
£50 | €60 | $70

**NEW IN PAPERBACK**
**Endophyte Biotechnology**
Potential for Agriculture and Pharmacology
Edited by [Alexander Schouten](#), Wageningen University and Research Centre, The Netherlands

Endophytes are bacterial and fungal microorganisms that colonize plants, typically boosting the health of the host plant and altering its metabolism. This book explores the diversity of endophytes, their potential value and future challenges in the contexts of agricultural production and the discovery of novel pharmaceutical drugs.

*Oct 2019 | HB | 9781786399427 | 212pp*
£85 | €110 | $140

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**GM Food Systems and Their Economic Impact**

[Tatjana Brankov](#), University of Novi Sad, Serbia, [Koviljko Lovre](#), University of Novi Sad

This book adopts a methodical approach to provide a novel exploration of the effects of GM crops on global economy, as well as examining the links between GM and food security at global and regional levels. The environmental implications of GM are also considered, by comparing pesticide use and efficiency in GM and non-GM countries.

*Nov 2018 | HB | 246 pp | 9781789240542*
£95 | €125 | $160

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**Ethical Tensions from New Technology**
The Case of Agricultural Biotechnology
Edited by [Harvey S James](#), Jr, University of Missouri, USA

New technologies can create ethical tensions when there is a conflict of interests, values or rights. One of the key examples of such technology is agricultural biotechnology. This book explores the reasons for those tensions, and potential solutions.

*Aug 2018 | HB | 9781786394644 | 194pp*
£85 | €110 | $140

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**Plant Gene Silencing**
Mechanisms and Applications
Edited by [Tamas Dalmay](#), University of East Anglia, UK

Plant gene silencing through RNA interference can be used to improve industrial traits, adding nutritional benefits, removing allergens and other valuable factors for consumers, and to protect plants against bacterial and viral pathogens, weeds and pests. This is the first book to combine the biological phenomenon and the practical applications.

*May 2017 | HB | 9781780647678 | 224pp*
£87.50 | €113 | $144

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CABI Climate Change Series

Climate Change Impact and Adaptation in Agricultural Systems
Edited by Jurg Fuhrer, formerly Agroscope, Switzerland, P J Gregory, University of Reading, UK

This book focuses on future global climate change and its implications for agricultural systems which are the main sources of agricultural goods and services to society. This book brings together a series of chapters providing scientific insights to possible implications of projected climate changes for different crop types and livestock systems.

Jun 2014 | HB | 9781780642895 | 298pp
£89.99 | €117 | $170.95
Nov 2019 | PB | 9781786395351 | 298pp
£45 | €55 | $65

Climate Change Challenges and Adaptations at Farm-level
Case Studies from Asia and Africa
Edited by Naveen P Singh, Cynthia Bantilan, Kattarkandi Byjesh, Swamikannu Nedumaran, all at ICRISAT, India

This book emphasises the importance of farm-level adaptation in mitigating against the risks of climate change in the semi-arid tropics of Asia and Africa. It highlights the key issues that arise in farm-level impacts, adaptation and vulnerability, and discusses the methodological approaches undertaken in Asia and Africa

Nov 2015 | HB | 9781780644639 | 244pp
£50 | €60 | $70

Climate Change and Crop Production
Edited by Matthew P Reynolds, CIMMYT, Mexico

The first volume in the CABI Climate Change Series, this book provides an overview of the essential disciplines required for sustainable crop production in unpredictable environments.

May 2010 | HB | 9781845936334 | 320pp
£105 | €132.80 | $198.30
May 2017 | PB | 9781786393081 | 308pp
£45 | €60 | $75

Climate Change and Insect Pests
Edited by Christer Björkman, Swedish University of Agricultural Sciences, Sweden, Pekka Niemelä, University of Turku, Finland

It is anticipated that the damage to crops and forests by insects will increase as a consequence of climate change. However, the evidence in support of this is sparse. This book sums up present knowledge regarding both agricultural and forest insect pests and climate change in order to identify future research directions.

Oct 2015 | HB | 9781780643786 | 292pp
£82.40 | €110.20 | $160.15
Oct 2015 | PB | 9781789247695 | 292pp
£40 | €55 | $56

Order online at: www.cabi.org/bookshop | order by telephone on: +44 (0)1235 465577
Plant Genetic Resources and Climate Change
Edited by Michael Jackson, formerly International Rice Research Institute, The Philippines, Brian V Ford-Lloyd, University of Birmingham, UK, Martin L Parry, Imperial College London, UK
This book addresses the current state of climate change predictions, and how climate change will affect conservation and use of crop germplasm, both ex situ and in situ. Examples of germplasm research related to ‘climate change threats’ are also highlighted.
Dec 2013 | HB | 9781780641973 | 312pp
£99.90 | €127.20 | $187.95

Crop Stress Management and Global Climate Change
Edited by Jose Luis Araus, International Maize and Wheat Improvement Center, Mexico, Gustavo A Slafer, University of Lleida, Spain
Climate change will pose many challenges to agriculture in the future, but by taking an integrative approach to predicting and adapting to change, this book will inspire researchers to turn those challenges into opportunities.
Nov 2011 | HB | 9781845936808 | 224pp
£88 | €115.35 | $165.80

Halophytes and Climate Change
Adaptive Mechanisms and Potential Uses
Edited by Mirza Hasanuzzaman, Sher-e-Bangla Agricultural University, Bangladesh, Sergey Shabala, University of Tasmania, Australia, Masayuki Fujita, Kagawa University, Japan
This book contains current knowledge and up-to-date developments in the field of halophyte biology, ecology and potential uses. It explores the adaptive mechanisms of halophytes that allow them to grow in environments unsuitable for conventional crops and considers their role as a source of food, fuel, fodder, fibre, essential oils and medicines.
Feb 2019 | HB | 9781786394330 | 400pp
£145 | €175 | $205

Climate Change and Cotton Production in Modern Farming Systems
Throughout the world cotton is broadly adapted to growing in temperate, sub-tropical, and tropical environments, but growth may be challenged by future climate change. This review provides details for the formation of robust frameworks to evaluate the impact of projected climatic changes and highlights the risks and opportunities with adaptation.
Mar 2016 | PB | 9781780648903 | 72pp
£36 | €46.35 | $61.80

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CABI Invasives Series

Plant Invasions
The Role of Biotic Interactions
Edited by Anna Traveset, Institut Mediterrani d’Estudis Avançats (CSIC-UIB), Spain, David M Richardson, Centre for Invasion Biology, South Africa

Invasive species are of great environmental importance but no book before now has explored a key aspect: the nature of species interactions. This book looks at the theories, evidence and practicalities for managing invasions.

Oct 2020 | HB | 9781789242171 | 464pp
£115 | €130 | $155

Invasive Species and Human Health
Edited by Giuseppe Mazza, Elena Tricarico, both Università degli Studi di Firenze, Italy

This book examines direct effects to human health from invasive species such as bites, wounds and illness and indirect effects via changes induced in the ecosystems. It covers case studies from different taxa (animals and plants) and in developed and developing countries.

Jul 2018 | HB | 9781786390981 | 208pp
£85 | €110 | $140

Biological Control in Latin America and the Caribbean
Its Rich History and Bright Future
J C van Lenteren, Wageningen University, The Netherlands, Vanda H.P. Bueno, University of Lavras, Brazil, Maria Gabriela Luna, Universidad Nacional de La Plata, Argentina, Yelitza Colmenarez, CABI, Brazil

The book summarizes the history of biological control in Latin America and the Caribbean.

Dec 2019 | HB | 9781789242430 | 550pp
£135 | €175 | $225

Invasive Alien Plants
Impacts on Development and Options for Management
Edited by Carol A Ellison, CABI, UK, Sean T Murphy, CABI, UK, K V Sankaran, Kerala Forest Research Institute, India

Invasive alien plants pose a major threat to agriculture, the natural environment and livelihoods worldwide and create challenges for development. This book emphasizes the social and economic implications of plant invasion and discusses direct impacts on livelihoods and biodiversity.

Oct 2017 | HB | 9781780646275 | 244pp
£87.5 | €113 | $144

Download this title for free at: www.cabi.org/cabebooks
Community-Based Control of Invasive Species
Edited by Paul Martin, University of New England, Australia, Theodore R Alter, Penn State University, USA, Donald W Hine, University of New England, Australia and Tanya M Howard, University of New England, Australia

A study of how invasive species policies have shifted significantly towards relying upon private citizens and industry to manage established invasive species. The title provides a concentrated source of advanced theoretical knowledge and best practice advice about ways to manage the human dimensions of invasive species.

May 2019 | HB | 9781789242539 | 288pp
£75 | €90 | $105

Guide to the Naturalized and Invasive Plants of Eastern Africa
Arne Witt, CABI, Kenya

Apr 2017 | PB | 9781786392107 | 608pp
Download this title for free at: www.cabi.org/cabebooks

Guide to the Naturalized and Invasive Plants of Southeast Asia
Arne Witt, CABI, Kenya

Apr 2017 | PB | 9781786392152 | pp
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Guide to the Naturalized and Invasive Plants of Laikipia
Arne Witt, CABI, Kenya

Apr 2017 | PB | 9781786392152 | 192pp
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CABI’s Crop Pest Diagnosis and Management courses, based on CABI’s award winning Plantwise programme, are designed to support teachers and trainers in agricultural education institutions and in the workplace.

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Miss Tamara Coleman,
Agricultural Extension Officer,
RADA, St. Catherine, Jamaica

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