

Save with Quantity Discounts—*see inside*

2020

**SOIL &
CROP
SCIENCE**
CATALOG



PUBLISHING



DISTRIBUTED IN THE AMERICAS BY



www.styluspub.com

CONTENTS

Soil Science.....	2
Biotechnology & Plant Production...	3
Agriculture & Agribusiness.....	5
Disease, Weed and Pest Control ...	6
Plant Biology	9
Environment & Conservation.....	10
Horticulture & Food	11
Reference & Research	13
Index.....	14
Order Form	15

Need a resource for classroom use?



Any paperback in this catalog is available to evaluate for course use. Copies are shipped on 90 day approval. The invoice is canceled if you return the book/s or provide proof of adoption within 90 days; or you may keep the book/s for personal use by paying the invoice. **To order, call toll free, fax, mail, or email. If mailing or faxing, please request on departmental letterhead and provide the following information: (1) Department, (2) Enrollment, (3) Course Name, (4) Texts currently in use, and (5) Start date. Exam copies can also be requested by ordering online at www.styluspub.com.**

QUANTITY DISCOUNT

2-4 copies*	20%
5-9 copies*	25%
10-24 copies*	30%
25-99 copies*	35%
100+ copies*	40%

*assorted copies

Catalog designed by Kathleen Dyson



SOIL SCIENCE

NEW!

Healthy Soils for Healthy Vines

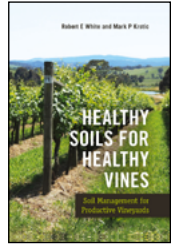
Soil Management for Productive Vineyards

Robert E. White and Mark P. Krstic

Healthy Soils for Healthy Vines provides a clear understanding of vineyard soils and how to manage and improve soil health for best vineyard performance. It covers the inherent and dynamic properties of soil health, how to choose which soil properties to monitor, how to monitor soil and vine performance, and how vineyard management practices affect soil health, fruit composition and wine sensory characters. It also covers the basic tenets of sustainable winegrowing and their significance for business resilience in the face of a changing climate.

This book will be of practical value to anyone growing grapevines, managing a vineyard or making wine, from the small individual grower to the large wine company employee. It will be of special interest to winegrowers employing organic, natural, or biodynamic methods of production, where the primary focus is on the biological health of the soil.

240 pp
Cloth, Oct 2019, 978 1 78924 316 1, \$ 105.00



NOW IN PAPER

Soil Carbon

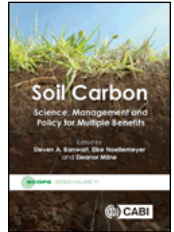
Science, Management and Policy for Multiple Benefits

Edited by Steven A. Banwart, Elke Noellemeier and Eleanor Milne

This book brings together the essential evidence and policy opportunities regarding the global importance of soil carbon for sustaining Earth's life support system for humanity. Covering the science and policy background for this important natural resource, it describes land management options that improve soil carbon status and therefore increase the benefits that humans derive from the environment. Written by renowned global experts, it is the principal output from a SCOPE rapid assessment process project.

Scientific Committee on Problems of the Environment (SCOPE) Series 71

420 pp, figures, graphs & maps
Paper, Oct 2019, 978 1 78639 550 4, \$ 70.00



NOW IN PAPER

Biological Control of Plant-Parasitic Nematodes

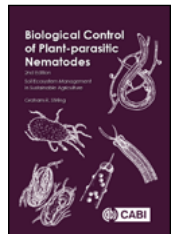
Soil Ecosystem Management in Sustainable Agriculture

SECOND EDITION

Graham R. Stirling

Plant-parasitic nematodes are one of multiple causes of soil-related sub-optimal crop performance. This book integrates soil health and sustainable agriculture with nematode ecology and suppressive services provided by the soil food web to provide holistic solutions. Biological control is an important component of all nematode management programs, and with a particular focus on integrated soil biology management, this book describes tools available to farmers to enhance the activity of natural enemies, and utilize soil biological processes to reduce losses from nematodes.

536 pp, figures, tables & photos
Paper, Oct 2019, 978 1 78639 533 7, \$ 90.00



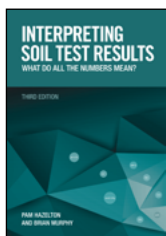
Need a reminder?

Use our **NOTIFY ME** button online to get an email update when your book is available. No purchase necessary.

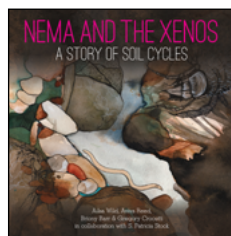
Interpreting Soil Test Results*What Do All the Numbers Mean?***THIRD EDITION****Pam Hazelton and Brian Murphy**

Interpreting Soil Test Results is a practical reference enabling soil scientists, environmental scientists, environmental engineers, land holders and others involved in land management to better understand a range of soil test methods and interpret the results of these tests. It also contains a comprehensive description of the soil properties relevant to many environmental and natural land resource issues and investigations.

This edition has an additional chapter on soil organic carbon store estimation and an extension of the chapter on soil contamination. It also includes sampling guidelines for landscape design and a section on trace elements. The book updates and expands sections covering acid sulfate soil, procedures for sampling soils, levels of nutrients present in farm products, soil sodicity, salinity and rainfall erosivity. It includes updated interpretations for phosphorus in soils, soil pH and the cation exchange capacity of soils.

200 pp, tables**Paper, 2017, 978 1 48630 396 0, \$ 44.95****Nema and the Xenos***A Story of Soil Cycles***Ailsa Wild, Aviva Reed, Briony Barr, Gregory Crocetti and S. Patricia Stock**

This is a story about tiny creatures that live in the darkness of the soil. When a tree cries out in pain, some unexpected heroes come to the rescue. Nema and her gang of young nematodes (tiny worms) embark on a dangerous journey underground. The Xenos, a group of wise but deadly bacteria, hitch a ride. The story of how they help the tree is full of action, life-or-death challenges and microscopic warfare. It is a story of cooperation and ancient partnership, about events happening all over the Earth, in the hidden worlds beneath our feet.

Cloth, Aug 2019, 9781486312160, \$19.95**Sediment Quality Assessment***A Practical Guide***SECOND EDITION****Edited by Stuart Simpson and Graeme Batley**

This practical guide is a revised and much expanded second edition of *Handbook for Sediment Quality Assessment*, which will be a valuable tool for environmental practitioners. Written by experts in the field, it provides coverage of: sediment sampling; sample preparation; chemical analysis; ecotoxicology; bioaccumulation; biomarkers; and ecological assessment. In addition, detailed appendices describe protocols for many of the tests to be used.

376 pp, 22 color photos & 46 illus**Paper, 2016, 978 1 48630 384 7, \$ 62.95****Soil Health, Soil Biology, Soilborne Diseases and Sustainable Agriculture***A Guide***Graham R. Stirling, Helen Hayden, Tony Pattison and Marcelle Stirling**

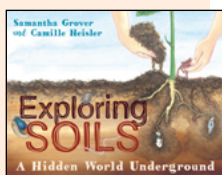
This book provides information about the bacteria, fungi, nematodes and other soil organisms that not only harm food crops but also help them take up water and nutrients and protect them from root diseases. With illustrations and case studies, it provides growers with holistic solutions for building an active and diverse soil biological community capable of improving soil structure, enhancing plant nutrient uptake and suppressing root pests and pathogens.

280 pp, 191 full color photos & 60 illus**Paper, 2016, 978 1 48630 304 5, \$ 79.95****Exploring Soils***A Hidden World Underground***Samantha Grover**

Illustrated by Camille Heisler

In *Exploring Soils: A Hidden World Underground*, James discovers that soil is not just dirt for digging in, it is an essential part of our world. He explores how plants and animals live in soil, how soils are formed, how they differ, and the ways that soil is essential in our lives.

Presenting a child-centered storyline written by Samantha Grover, a soil scientist and parent, and captivating illustrations from Camille Heisler, *Exploring Soils* will take you to an underground world filled with activity and discoveries.

32 pp, color illus**Cloth, 2017, 978 1 48630 500 1, \$ 18.95****BIOTECHNOLOGY & PLANT PRODUCTION****NEW!****Endophyte Biotechnology***Potential for Agriculture and Pharmacology***Edited by Alexander Schouten**

Endophytes can lead to an increase in plant vigor, growth, development, and changes in plant metabolism. Endophytes may assist in the development of more productive and sustainable agricultural practices or discoveries of novel pharmacologicals.

These elusive organisms are often overlooked and their benefits underrated.

Endophytes can support plants in a variety of ways to cope with biotic and abiotic stress factors, such as drought, heat, pests and diseases. They can produce particular metabolites, facilitate access to nutrients, change the plant's chemistry, physiology and responses, or by a combination of these factors. The biosynthetic pathways present in endophytes alone—or in combination with the plant's—can lead to novel chemicals, with yet undiscovered pharmacological characteristics. With state-of-the-art knowledge on their discovery and roles, this book describes the diversity of endophytes, their value, exploitation and future challenges.

CABI Biotechnology Series 8**208 pp****Cloth, Nov 2019, 978 1 78639 942 7, \$ 140.00****FORTHCOMING****Biotechnology of Fruit and Nut Crops****SECOND EDITION****Edited by Richard E. Litz, F. Pliego-Alfaro and J. I. Hormaza**

Biotechnology of Fruit and Nut Crops is a comprehensive reference work on the current status of biotechnology of the major temperate, subtropical and tropical fruit and nut crop species of the world. This second edition includes persimmon, pomegranate and loquat for the first time and color illustrations of the crop species and their wild relatives. Family by family, it details well-established techniques such as protoplast culture, in vitro mutagenesis and ploidy manipulation, but also newer approaches such as genomics, genetic transformation and marker-assisted selection.

Biotechnology in Agriculture Series**750 pp, color illus****Cloth, Feb 2020, 978 1 78064 827 9, \$ 320.00**

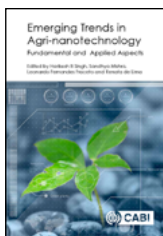
Emerging Trends in Agri-Nanotechnology

Fundamental and Applied Aspects

Edited by Harikesh Bahadur Singh, Sandhya Mishra, Leonardo Fernandes Fraceto and Renata D. de Lima

This book opens with a brief history of nanotechnology in agriculture. Applications are then examined in detail, including nanopesticides, nanosensors, nanofertilizers, and nanoherbicides. Topics covered include; the biosynthesis of nanoparticles (through microbes, plants and other biotic agents); the ecological consequences of their delivery into the environment (examining effects and toxicity on soil, soil biota, and plants); safety issues; an overview of the global market for nanotechnology products; and the regulation of nanotechnology in agriculture. The book concludes with speculations on what the future holds for the technology.

328 pp, tables & color illus
Cloth, 2018, 978 1 78639 144 5, \$ 205.00



Maize Kernel Development

Edited by Brian A. Larkins

This authoritative book acts as a guide to understanding maize kernel development. Written by a team of experts, it covers topics spanning pre- and post-fertilization events, embryo and endosperm development, grain filling and maturation, and factors influencing crop yield. It explores the significance of maize and other cereal grains, existing hypotheses and research, and important gaps in our knowledge and how we might fill them.

240 pp
Cloth, 2018, 978 1 78639 121 6, \$ 160.00



Advances in PGPR Research

Edited by Harikesh Bahadur Singh, Birinchi Kumar Sarma and Chetan Keswani

Rhizosphere biology is approaching a century of investigations wherein growth-promoting rhizomicroorganisms (PGPR) have attracted special attention for their ability to enhance productivity, profitability and sustainability at a time when food security and rural livelihoods are a key priority. Bio-inputs—either directly in the form of microbes or their by-products—are gaining tremendous momentum and harnessing the potential of agriculturally important microorganisms could help in providing low-cost and environmentally safe technologies to farmers. *Advances in PGPR Research* explores these recent developments and includes coverage of: low input biofertilizers and biofungicides used for sustainable agriculture; molecular techniques to enhance efficacy of microbial inputs; and intellectual property issues in PGPR research.

408 pp
Cloth, 2017, 978 1 78639 032 5, \$ 225.00

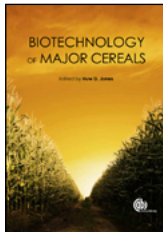


Biotechnology of Major Cereals

Edited by Huw D. Jones

In *Biotechnology of Major Cereals*, expert authors explain and discuss the latest advances including nuclear and chloroplast transformation, anther-culture and gene silencing. There are chapters on current transformation methodologies, key target tissues and traits as well as genome editing and a review of the current mergers and acquisitions in commercial biotechnology.

256 pp, color photos, graphs & charts
Cloth, 2016, 978 1 78064 519 3, \$ 165.00



Enhancing Crop Genepool Use

Capturing Wild Relative and Landrace Diversity for Crop Improvement

Edited by Nigel Maxted, Mohammad E. Dulloo and Brian V. Ford-Lloyd

Focusing on characterization techniques, conservation strategies, facilitating CWR and LR use and informatics development, *Enhancing Crop Genepool Use* highlights exotic plant germplasm as a potentially critical but neglected resource for crop improvement. Novel characterization techniques and conservation strategies to identify and preserve CWR and LR traits to increase options for crop improvement as a means of underpinning food security in the face of climate change are demonstrated, and the current status and future enhanced utilization of CWR and LR diversity for improving agricultural production and sustaining the environment are explored.

480 pp, tables, figures & color illus
Cloth, 2016, 978 1 78064 613 8, \$ 231.95

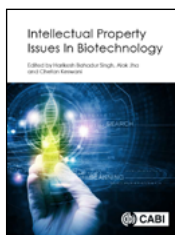


Intellectual Property Issues in Biotechnology

Edited by Harikesh Bahadur Singh, Alok Jha and Chetan Keswani

Broad in scope, the book covers key principles in pharmaceutical, industrial and agricultural biotechnology within four sections. The first section details the principles of intellectual property and biotechnology, the second section covers plant biotechnology, including biotic and abiotic stress tolerance, GM foods in sustainable agriculture, microbial biodiversity and bioprospecting for improving crop health and productivity, and production and regulatory requirements of biopesticides and biofertilizers. The third section describes recent advances in industrial biotechnology, such as DNA patenting, and commercial viability of the CRISPR/Cas9 system in genome editing. The final section describes intellectual property issues in drug discovery and development, personalized medicine, and vaccines in biodefense.

276 pp, figures & tables
Cloth, 2016, 978 1 78064 653 4, \$ 165.00



Plant Gene Silencing

Mechanisms and Applications

Edited by Tamas Dalmay

Plant gene silencing is a crucially important phenomenon in gene expression and epigenetics. This book describes the way small RNA is produced and acts to silence genes, its likely origins in defense against viruses, and its potential to improve plants. Plant gene silencing can be used to improve industrial traits, to make plants more nutritious or more valuable to consumers, to remove allergens, and to improve resistance to weeds and pathogens.

CABI Biotechnology Series 5
224 pp, tables & color illus
Cloth, 2017, 978 1 78064 767 8, \$ 144.00



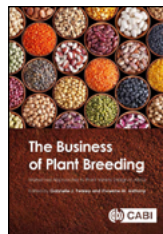
The Business of Plant Breeding

Market-led Approaches to Plant Variety Design in Africa

Edited by Gabrielle J. Persley and Vivienne M. Anthony

Beginning with an overview of the principles of demand-led plant breeding, the book then discusses aspects such as understanding the demands of clients and markets in rural and urban areas, foresight in setting product profiles and breeding targets, and determining breeding strategy and stage plans. It also covers measuring success and making the business case for future investments in breeding programs that will deliver new varieties to meet market demands.

232 pp, color illus
Cloth, 2017, 978 1 78639 381 4, \$ 139.00



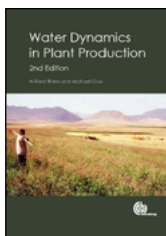
Water Dynamics in Plant Production

SECOND EDITION

Wilfred Ehlers and Michael Goss

This edition of *Water Dynamics in Plant Production* focuses on the dynamics of water through the hydrologic cycle and the associated mechanisms that plants employ to optimize growth and development. It describes the basic scientific principles of water transport in the soil-plant-atmosphere continuum, and explains the linkage between transpirational water use and dry matter production. Paying particular attention to the various agronomic strategies for adaptation to climate-driven limitations of water resources, the efficiency of water use in plant production and in achieving an economic yield is presented in detail.

392 pp
Paper, 2016, 978 1 78064 382 3, \$ 75.00



Automation in Tree Fruit Production

Principles and Practice

Edited by Qin Zhang

Written by experts in agricultural automation technology from around the world, chapters in this book cover topics such as automated tree fruit production systems, plant stress sensing and high-throughput phenotyping in precision horticulture, the economics of automation in tree fruit production, light interception sensing systems for canopy management, precision irrigation and water management, precision technologies for pest and disease management, opportunities for the application of robotics in tree fruit production, and the mechanical harvesting and handling of fruit crops.

304 pp, 4-color graphs & photos
Cloth, 2017, 978 1 78064 850 7, \$ 205.00



Analytical Techniques for Natural Product Research

Satyanshu Kumar

256 pp
Cloth, 2015, 978 1 78064 473 8, \$ 133.95



Bt Resistance

Characterization and Strategies for GM Crops Expressing Bacillus thuringiensis Toxins

Edited by Mario Soberón, Yulin Gao and Alejandra Bravo

CABI Biotechnology Series 4
226 pp
Cloth, 2015, 978 1 78064 437 0, \$ 155.50

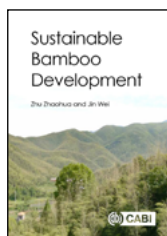


Sustainable Bamboo Development

Z. Zhu and W. Jin

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 synthesizes experiences and exchanges with country experts from international training courses, study tours, and seminars. Each case includes detailed observations and summaries of discussions related to the development of bamboo-based industries in a healthy, sustainable way to facilitate the strategic and balanced development of the bamboo sectors in different global regions. Industrial and artisanal bamboo growing and processing is expanding worldwide, and this book collates key experiences to inform future developments.

320 pp, tables & color illus
Cloth, 2018, 978 1 78639 401 9, \$ 175.00



AGRICULTURE & AGRIBUSINESS

NEW!

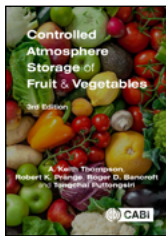
Controlled Atmosphere Storage of Fruit and Vegetables

THIRD EDITION

Anthony K. Thompson, Robert K. Prange, Roger D. Bancroft and Tongchai Puttongsiri

Covering the increasingly used science and technology of preserving the freshness of fruit and vegetables in all aspects of their postharvest life, this book puts the subject in the context of its history and current practices, in addition to future prospects. This new edition: reflects on the large amount of research that is continuously being published on the topic; reviews and evaluates the adaptation and improvement of commercial technologies; includes the effect of techniques and technologies on flavor, quality and physiology, in addition to the influence of pests, diseases and disorders; and contains 5 new chapters covering genetics and CA storage, dynamic CA storage, hyperbaric storage, hypobaric storage and fruit ripening.

430 pp, four-color illus
Cloth, Jan 2019, 978 1 78639 373 9, \$ 205.00



Climate Change and Cotton Production in Modern Farming Systems

Edited by M. P. Bange, J. Baker, P. Bauer, K. J. Broughton, G. Constable, Q. Luo, D. M. Oosterhuis, Y. Osanai, P. Payton, D. T. Tissue, K. Reddy and B. K. Singh

This review provides details for the formation of robust frameworks to evaluate the impact of projected climatic changes, highlights the risks and opportunities with adaptation, and details the approaches for investment in research. Ultimately, it is a multi-faceted systems-based approach that combines all elements of the cropping system that will provide the best insurance to harness the change that is occurring, and best allow cotton industries worldwide to adapt. Given that there will be no single solution for all of the challenges raised by climate change and variability, the best adaptation strategy for industry will be to develop more resilient systems. Early implementation of adaptation strategies, particularly in regard to enhancing resilience, has the potential to significantly reduce the negative impacts of climate change now and in the future.

ICAC Reviews 6
72 pp
Paper, 2016, 978 1 78064 890 3, \$ 60.00



NOW IN PAPER

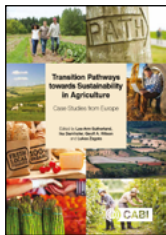
Transition Pathways Towards Sustainability in Agriculture

Case Studies from Europe

Edited by Lee-Ann Sutherland, Ika Darnhofer, Geoff Wilson and Lukas Zagata

This book focuses on understanding farming transition pathways towards sustainability, using case studies from Europe. It assesses the utility of the multi-level perspective in transition theory for addressing contemporary issues and identifies future research needs, making it an essential read for researchers of rural or agricultural change.

246 pp
Paper, Oct 2019, 978 1 78639 547 4, \$ 55.00



Data Analysis in Vegetation Ecology

THIRD EDITION

Otto Wildi

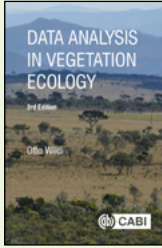
The third edition of this popular textbook introduces the reader to the investigation of vegetation systems with an emphasis on data analysis. The book succinctly illustrates the various paths leading to high quality data suitable for pattern recognition, pattern testing, static and dynamic modeling, and model testing, including spatial and temporal aspects of ecosystems.

Features:

- Completely revised and updated
- Includes practical step-by-step examples using the freely available statistical package R
- Complex concepts and operations are explained using clear illustrations and case studies relating to real world phenomena
- Emphasizes method selection rather than just giving a set of recipes.

352 pp

Paper, 2017, 978 1 78639 422 4, \$ 65.00

**Farm-level Modelling***Techniques, Applications and Policy*

Edited by Shailesh Shrestha, Bouda Vosough Ahmadi and Andrew Barnes

240 pp, figures & tables

Cloth, 2016, 978 1 78064 428 8, \$ 144.00

**Global Urban Agriculture***Convergence of Theory and Practice between North and South*

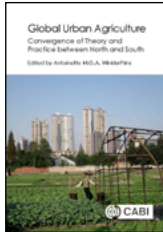
Edited by Antoinette WinklerPrins

Preface by Nathan McClintock

There has been growing attention to urban agriculture (UA) worldwide because of its role in making cities more sustainable from an environmental perspective while also contributing to the role farming and gardening in the city contribute to social justice. This edited volume brings together current research and case material about urban agriculture from both the Global North (GN) and the Global South (GS), revealing greater areas of overlap than difference both theoretically and substantively, and that research in one area can help inform the other. It explains how urban agriculture supports livelihoods, provides ecosystem services and community development; its contribution to social capital, networks, and agro-biodiversity conservation.

280 pp

Cloth, 2017, 978 1 78064 732 6, \$ 144.00

**Legumes in Cropping Systems**

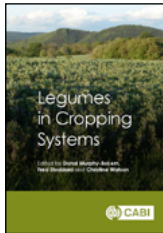
Edited by Donal Murphy-Bokern, Fred Stoddard and Christine Watson

The authors describe current knowledge relating to the use of legumes in cropping systems, in addition to looking towards future research including challenges and opportunities. In each chapter the authors provide insight into the relevant literature to help support understanding and provide insight into the underlying processes that influence cropping system development.

Presented in full-color throughout, this book includes coverage of: intercropping with legumes and cereals; legumes as a primary protein source; crop protection progress; and policy issues.

270 pp, full-color illus

Cloth, 2017, 978 1 78064 498 1, \$ 144.00

**Postharvest***An Introduction to the Physiology and Handling of Fruit and Vegetables*

SIXTH EDITION

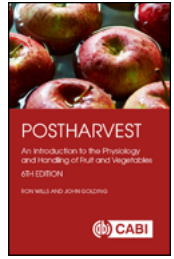
Ron Wills and John Golding

New to the sixth edition:

- Discussion of issues important to consumers and the impact of trends in convenience marketing on the quality of fresh-cut produce
- Coverage of sustainability in terms of both energy used by technologies and non-synthetic disease and pest control systems
- Greater consideration given to pre-harvest factors that influence quality
- Additional information about the health benefits of plant antioxidant properties and a discussion of "superfoods."

306 pp, figures & tables

Paper, 2016, 978 1 78639 148 3, \$ 75.00

**Seed Biology and Yield of Grain Crops**

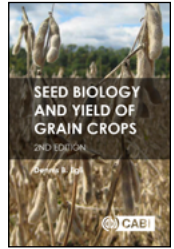
SECOND EDITION

Dennis B. Egli

As the food supply for an expanding world population is based on grain crops harvested for their seeds, understanding the process of seed growth and its regulation is crucial to our efforts to increase production and meet the needs of that population. Assimilatory processes such as photosynthesis and the biosynthetic processes in the seed, which are partly regulated within the seed itself, determine the yield of grain crops. Providing a timely update in this field and highlighting the impact of the seed on grain crop yields, this book: describes all aspects of seed growth and development, including environmental and genetic effects on growth rate and length of the filling period; discusses the role of the seed in determining the two main yield components: individual seed weight and number of seeds per unit area; and uses the developed concepts and models to understand crop management and yield improvement.

232 pp, graphs

Cloth, 2017, 978 1 78064 770 8, \$ 144.00

**DISEASE, WEED & PEST CONTROL**

FORTHCOMING

Biological Control in Latin America and the Caribbean*Its Rich History and Bright Future*

Edited by J. C. van Lenteren, Vanda H.P. Bueno, Maria Gabriela Luna and Yelitza Colmenarez

The book summarizes the history of biological control in Latin America and the Caribbean. There are a wealth of text, tables and references about the history of such projects, and which were successful and which failed. This will help plan future biocontrol projects. An overview is provided of the current situation in biological control for many Latin American and Caribbean countries, revealing an astonishing level of practical biological control applied in the region, making it the largest area under biological control worldwide. The final part describes new developments and speculates about the future of biological control in Latin America and the Caribbean.

520 pp

Cloth, Feb 2020, 978 1 78924 243 0, \$ 225.00



NEW!**Biopesticides Manual***Guidelines for Selecting, Sourcing, Producing and Using Biopesticides for Key Pests of Tobacco***K. A. Holmes, Dirk Babendriener, M. Bateman, M. Chaudhary, J. Grunder, M. Mulaa, L. Durocher-Granger and M. Faheem**

The *Biopesticides Manual* provides information resources and technical advice in order to support the deployment of biopesticides. It is a one-stop-shop to address the information needs of the key groups who are responsible for selecting, sourcing and using biopesticides in the tobacco production system.

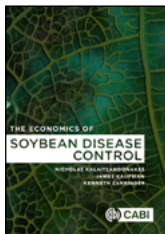
Biopesticides are a key component of integrated pest management (IPM) in tobacco. When used in conjunction with good crop management, biopesticides can help to keep pest levels under control, reducing the need to apply conventional pesticides.

158 pp
Paper, Jul 2019, 978 1 78924 202 7, \$ 40.00

**The Economics of Soybean Disease Control****Nicholas Kalaitzandonakes, James Kaufman and Kenneth Zahring**

This book presents an economic perspective on disease control, with an emphasis on producer choice among alternative technologies and potential changes in cropping systems. It provides an overview of global soybean diseases, their economic significance and management, and covers farm-level decision making, economic payoffs of alternative disease practices and key uncertainties. The book also outlines a global economic model that evaluates disease distribution and management implications.

200 pp
Cloth, May 2019, 978 1 78064 808 8, \$ 160.00

**The UK Pesticide Guide 2019****Edited by Martin A. Lainsbury**

The *UK Pesticide Guide* is a unique and authoritative source of information on pesticides and adjuvants approved for use in agriculture, amenity, forestry, pest control and horticulture. This edition has 8 new active ingredient profiles plus a number of new formulations and products for a wide range of crops. It contains a variety of herbicide, fungicide and insecticide and PGR additions, bringing the guide up-to-date for 2019.

800 pp
Paper, 2018, 978 1 99989 662 1, \$ 85.00

**Plant Parasitic Nematodes in Subtropical and Tropical Agriculture**

THIRD EDITION

Edited by R. Sikora, D. L. Coyne, J. Hallmann and P. Timper

Covering all aspects of practical plant nematology in subtropical and tropical agriculture, the third edition of this definitive global reference work is fully revised and in full color throughout. It covers the major food and cash crops including; rice, cereals, solanum and sweet potatoes and other root and tuber crops, food legumes, vegetables, peanut, citrus, tree and fruit crops, coconut and other palms, coffee, cocoa, tea, bananas, sugarcane, tobacco, pineapple, cotton, other tropical fibers, spices, condiments and medicinal plants.

New content in this edition includes: a chapter on nematode soil biodiversity and soil health; reflections on the impact of nematodes on food security, climate change interactions and alternatives to pesticides, small subsistence growers and organic agriculture; and significant revisions to the IPM

chapter and chapters on vegetables, citrus, legumes, tuber crops, cotton, peanut and banana where major advances in IPM have occurred.

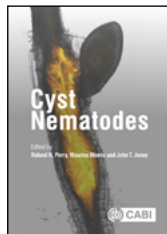
888 pp, full-color illus throughout
Cloth, 2018, 978 1 78639 124 7, \$ 250.00

**Cyst Nematodes****Edited by Roland N. Perry, Maurice Moens and John T. Jones**

This book is a compendium of current information on all aspects of cyst nematodes. It provides comprehensive coverage of their biology, management, morphology and diagnostics, in addition to up-to-date information on molecular aspects of taxonomy, host-parasitic relationships and resistances of these economically important parasites.

Written by a team of international experts, *Cyst Nematodes* will be invaluable to all researchers, lecturers and students in nematology, parasitology, agriculture and agronomy--industries with an interest in chemical and biological control products for management of plant-parasitic nematodes, and any courses, quarantine and advisory services.

456 pp
Cloth, 2018, 978 1 78639 083 7, \$ 225.00

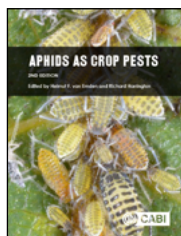
**Aphids as Crop Pests**

SECOND EDITION

Edited by Helmut van Emden and Richard Harrington

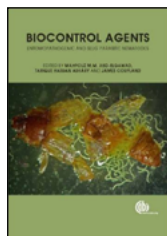
Aphids are among the world's major pest groups, causing serious economic damage to many food and commodity crops in most parts of the world. This revision and update of the well-received first edition published ten years ago reflects the expansion of research in genomics, endosymbionts and semiochemicals, as well as the shift from control of aphids with insecticides to a more integrated approach imposed by increasing resistance in the aphids and government restrictions on pesticides.

700 pp, figures, graphs & color photos
Cloth, 2017, 978 1 78064 709 8, \$ 298.95

**Biocontrol Agents***Entomopathogenic and Slug Parasitic Nematodes***Edited by M. M. Abd-Elgawad, Tarique Hassan Askary and James Coupland**

This book describes entomopathogenic and slug parasitic nematodes as potential biocontrol agents in crop insect and slug pest management. Addressing research on these two nematodes from tropical, subtropical, and temperate countries, it covers the new techniques and major developments regarding mass production, formulation, application, commercialization, and safety measures. Plans for future strategies to make these beneficial nematodes cost-effective and expand their use by including them in integrated pest management programs in different agro-ecosystems are also discussed.

660 pp, tables, figures & b/w & color illus
Cloth, 2017, 978 1 78639 000 4, \$ 257.50



Fungi of Australia*Inocybaceae***P. Brandon Matheny and Neale L. Bougher**

This authoritative account provides a major advance in knowledge for this diverse and widespread group with detailed descriptions, identification keys, and phylogenetic trees based on DNA sequences generated during the work. Every species is illustrated with colored plates and/or line drawings of microscopic features.

Fungi of Australia: Inocybaceae is a useful reference for professional and semi-professional mycologists in Australia and around the world.

Fungi of Australia Series 1B**592 pp, color photos & illus****Cloth, 2017, 978 1 48630 666 4, \$ 179.95****Handbook of Mites of Economic Plants***Identification, Bio-ecology and Control***Vincenzo Vacante****832 pp****Cloth, 2016, 978 1 84593 994 6, \$ 374.95****Handbook of Pest Management in Organic Farming****Edited by Vincenzo Vacante and Serge Kreiter**

This book is an up-to-date and comprehensive reference covering pest management in organic farming in major crops of the world. General introductory chapters explore the management of crops to prevent pest outbreaks, plant protection tools in organic farming, and natural enemies and pest control. The remaining chapters are crop-based and discuss geographic distribution, economic importance and key pests. For each pest the fundamental aspects of its bio-ecology and the various methods of control are presented. Understanding of the scientific content is facilitated with practical advice, tables and diagrams, helping users to apply the theories and recommendations.

576 pp**Cloth, 2017, 978 1 78064 499 8, \$ 290.00****Integrated Management of Insect Pests on Canola and Other Brassica Oilseed Crops****Edited by Gadi V. P. Reddy**

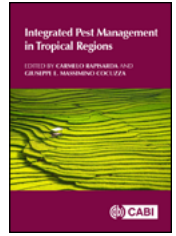
This book: is the only single compiled source of information on integrated management of canola and other Brassica oilseed pests; presents the biology and management of all the major and minor pests of Brassica oilseed crops; and is an essential source of information for applied entomologists, crop protection researchers, extension agents and stake holders.

408 pp**Cloth, 2017, 978 1 78064 820 0, \$ 298.95****Integrated Pest Management***Principles and Practice***Edited by Dharam P. Abrol and Uma Shankar**

Providing a critical evaluation of the management strategies involved in ecologically-based pest management, this book presents a balanced overview of environmentally safe and ecologically sound approaches. Topics covered include biological control with fungi and viruses, conservation of natural predators, use of botanicals, and how effective pest management can help promote food security.

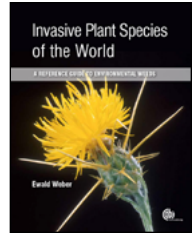
512 pp**Paper, 2016, 978 1 78639 031 8, \$ 75.00****Integrated Pest Management in Tropical Regions****Edited by Carmelo Rapisarda and G. Massimino Cocuzza**

This book provides up-to-date and comprehensive coverage of the research and application of Integrated Pest Management (IPM) in tropical regions. The first section explores the agro-ecological framework that represents the foundations of IPM in addition to emerging technologies in chemical and biological methods that are core to pest control in tropical crops. The second section follows a crop-based approach and provides details of current IPM applications in the main tropical food crops (such as cereals, legumes, root and tuber crops, sugarcane, vegetables, banana and plantain, citrus, oil palm, tea, cocoa, and coffee), fiber crops (such as cotton), and tropical forests.

312 pp**Cloth, 2017, 978 1 78064 800 2, \$ 160.00****Invasive Plant Species of the World***A Reference Guide to Environmental Weeds***SECOND EDITION****Ewald Weber**

Globally relevant, this book is a full-color reference guide to the major invasive plants. It includes fifty extra species since the first edition, covering a total of over 500 economically and environmentally important plants. This book provides a complete resource on the subject, supplying illustrations, synonyms, geographical distribution, habitats invaded, morphology, ecology and references for each species.

With revised and updated species ranges presented as full color maps, this new edition includes newly established or improved control methods for each species. It also contains increased ecology and impact information, making this book an invaluable source of information for researchers in plant ecology, nature conservation, biological control, weed science and environmental management.

596 pp, illus & maps**Cloth, 2017, 978 1 78064 386 1, \$ 329.50****Molecular Methods in Plant Disease Diagnostics***Principles and Protocols***Edited by N. Boonham, J. Tomlinson and R. Mumford****212 pp****Cloth, 2016, 978 1 78064 147 8, \$ 128.95****Pest Management of Turfgrass for Sport and Recreation****Gary Beehag, Jyri Kaapro and Andrew Manners****312 pp, 97 color & 15 b/w illus****Paper, 2016, 978 0 64309 514 4, \$ 99.95****Review of Invertebrate Biological Control Agents Introduced into Europe****Esther Gerber and Urs Schaffner****208 pp, graphs & tables****Cloth, 2016, 978 1 78639 079 0, \$ 165.00****The Handbook of Naturally Occurring Insecticidal Toxins****Opende Koul****864 pp****Cloth, 2016, 978 1 78064 270 3, \$ 303.95****Virus Diseases of Tropical and Subtropical Crops****Edited by Paula Tennant and Gustavo Fermin****CABI Plant Protection Series 4****264 pp****Cloth, 2016, 978 1 78064 426 4, \$ 170.95**

CABI INVASIVES SERIES

Invasion Biology*Hypotheses and Evidence*

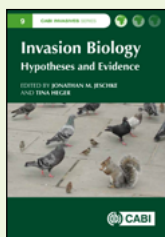
Edited by Jonathan M. Jeschke and Tina Heger

This book develops a tool for assessing research hypotheses and applies it to a number of invasion hypotheses, using the hierarchy-of-hypotheses (HoH) approach, and mapping the connections between theory and evidence. In Part 1, an overview chapter of invasion biology is followed by an introduction to the HoH approach and short chapters by science theorists and philosophers that comment on the approach. Part 2 outlines the invasion hypotheses and their interrelationships.

CABI Invasives Series 9

190 pp, color figures

Cloth, 2018, 978 1 78064 764 7, \$ 125.00

**Invasive Alien Plants***Impacts on Development and Options for Management*

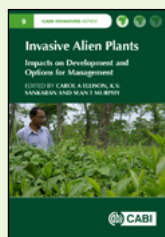
Edited by Carol A. Ellison, K. V. Sankaran and Sean T. Murphy

The book emphasizes the social and economic implications of plant invasion, and discusses direct impacts on livelihoods and biodiversity. It explains how various approaches to management including traditional ecological knowledge and classical biological control can be keys to the delivery of sustainable solutions, focusing on experiences in India, Nepal, Papua New Guinea and China. The use of policy frameworks in biological control and other management measures are also described.

CABI Invasives Series 9

250 pp, tables & color photos

Cloth, 2017, 978 1 78064 627 5, \$ 144.00

**Parthenium Weed***Biology, Ecology and Management*

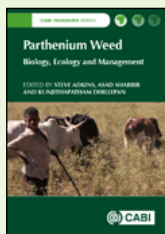
Edited by Stephen Adkins, Asad Shabbir and Kunjithapatham Dhileepan

This book explores the most important aspects of the biology, ecology and management of what is one of the world's worst weeds. Originally regarded as a major weed in Australia and India, Parthenium weed is now widespread in 48 countries in Africa, Asia and the South Pacific, and has the potential to spread to new countries in Africa, Asia and Europe. This book, which is a collective effort by 27 members of the International Parthenium Weed Network, addresses research and knowledge gaps for different countries. It examines the weed's mode of spread, its impact on agricultural production, its effect on the environment and on human health, and its management using biological control, as well as cultural, physical and chemical approaches. It also considers the coordination of the weed's management, possible uses for Parthenium weed, its present distribution and how this is impacted by climate change.

CABI Invasives Series 7

312 pp

Cloth, 2018, 978 1 78064 525 4, \$ 140.00

**Bioenergy and Biological Invasions***Ecological, Agronomic and Policy Perspectives on Minimizing Risk*

Edited by Lauren D. Quinn, David P. Matlaga and Jacob N. Barney

CABI Invasives Series 5

170 pp, graphs, figures & photos

Cloth, 2015, 978 1 78064 330 4, \$ 155.50

**Biosecurity Surveillance***Quantitative Approaches*

Edited by Frith Jarrad, Samantha Low-Choy and Kerrie Mengersen

CABI Invasives Series 6

386 pp, figures & graphs

Cloth, 2015, 978 1 78064 359 5, \$ 192.50

**Pest Risk Modelling and Mapping for Invasive Alien Species**

Edited by Robert C. Venette

CABI Invasives Series 7

256 pp, figures

Cloth, 2015, 978 1 78064 394 6, \$ 170.95

**Biocontrol Agents of Phytonematodes**

Edited by Tarique Hassan Askary and P. R. P. Martinelli

480 pp

Cloth, 2015, 978 1 78064 375 5, \$ 278.00

**Climate Change and Insect Pests**

Edited by Christer Børkman and Pekka Niemala

CABI Climate Change Series 8

264 pp, 6.75 in x 9.5 in

Cloth, 2015, 978 1 78064 378 6, \$ 155.50

**Sustainable Crop Disease Management Using Natural Products**

Edited by K. Vadivel, S. Ganesan and J. Jayaraman

424 pp

Cloth, 2015, 978 1 78064 323 6, \$ 203.95

**The Pesticide Encyclopedia**

Edited by Kalyani Paranjape, Vasant Gowariker, V. N. Krishnamurthy and Sudha Gowariker

726 pp, figures, tables & photos

Cloth, 2015, 978 1 78064 014 3, \$ 396.50



PLANT BIOLOGY

NOW IN PAPER

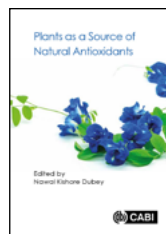
Plants as a Source of Natural Antioxidants

Edited by Nawal Kishore Dubey

A comprehensive overview of both traditional and current knowledge on 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 including essential oils, algae and marine microorganisms, as well as the role of abiotic and biotic stresses, endophytes, transgenic approaches in scavenging ROS and antioxidant plants used in different therapeutic systems.

320 pp, figures, tables & photos

Paper, Oct 2019, 978 1 78639 556 6, \$ 65.00



Plant Stress Physiology

SECOND EDITION

Edited by **Sergey Shabala**

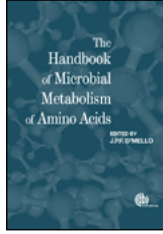
Completely updated from the successful first edition, this book provides a timely update of the recent progress in our knowledge of all aspects of plant perception, signalling, and adaptation to a variety of environmental stresses. The text covers in detail areas such as drought, salinity, waterlogging, oxidative stress, pathogens, and extremes of temperature and pH.

376 pp, figures, tables & color photos
Cloth, 2017, 978 1 78064 729 6, \$ 165.00

**The Handbook of Microbial Metabolism of Amino Acids**Edited by **J. P. F. D'Mello**

This book collates and reviews recent advances in the microbial metabolism of amino acids, emphasizing diversity—in terms of the range of organisms under investigation and their natural ecology—and the unique features of amino acid metabolism in bacteria, yeasts, fungi, protozoa and nematodes. As well as studying the individual amino acids, including arginine, sulfur amino acids, branched-chain amino acids and aromatic amino acids, a number of themes are explored throughout the work. These include comparative issues between the metabolism of microbes and those of higher organisms, including plants and mammals; potential for drug targets in pathways of both biosynthesis and degradation of amino acids; relationship between amino acids or associated enzymes and virulence in parasitic pathogens; practical implications for food microbiology and pathogen characterization; and future priorities relating to fundamental biochemistry of microorganisms, food quality and safety, human and animal health, plant pathology, drug design and ecology.

560 pp
Cloth, 2017, 978 1 78064 723 4, \$ 329.50

**UV-B Radiation and Plant Life***Molecular Biology to Ecology*Edited by **Brian R. Jordan**

This book deals with large-scale impacts and how UV-B affects plants at the molecular level. While UV-B radiation can be damaging, it also has a more positive role in plant photomorphogenesis. Consequently, UV-B treatments are being developed as innovative approaches to improve horticulture. This book is a timely synthesis of what we know and need to know about UV-B radiation and plants.

200 pp, figures
Cloth, 2017, 978 1 78064 859 0, \$ 165.00

**Leafy Medicinal Herbs***Botany, Chemistry, Postharvest Technology and Uses*Edited by **Dawn C. P. Ambrose, Annamalai Manickavasagan and Ravindra Naik**

312 pp, illus
Cloth, 2016, 978 1 78064 559 9, \$ 165.00

**Abiotic Stresses in Crop Plants**Edited by **Usha Chakraborty and Bishwanath Chakraborty**

278 pp
Cloth, 2015, 978 1 78064 373 1, \$ 170.95

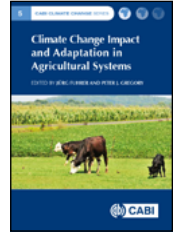
**Amino Acids in Higher Plants**Edited by **J. P. F. D'Mello**

632 pp, graphs & charts
Cloth, 2015, 978 1 78064 263 5, \$ 311.00

**ENVIRONMENT & CONSERVATION****NOW IN PAPER****Climate Change Impact and Adaptation in Agricultural Systems**Edited by **Jürg Fuhrer and Peter J. Gregory**

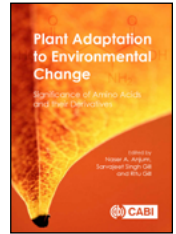
Agricultural systems are either based on crop or livestock production, or on combinations of the two, with characteristics that differ between regions and between levels of management intensity. In turn, they also differ in their sensitivity to projected future changes in climate, and improvements to increase climate-resilience need to be tailored to the specific needs of each system. The book brings together a series of chapters that provide scientific insights to possible implications of projected climate changes for different important types of crop and livestock systems, and a discussion of options for adaptive and mitigative management.

CABI Climate Change Series 5
298 pp, figures & tables
Paper, 2019, 978 1 78639 535 1, \$ 65.00

**NOW IN PAPER****Plant Adaptation to Environmental Change***Significance of Amino Acids and their Derivatives*Edited by **Naser A. Anjum, Sarvajeet S. Gill and Ritu Gill**

Plants constantly cope with unfavorable ecosystem conditions, which often prevent them from reaching their full genetic potential in terms of growth, development and productivity. This book covers plants' responses to these environmental changes, namely, the modulation of amino acids, peptides, and amines to combat both biotic and abiotic stress factors. Bringing together the most recent developments, this book is an important resource for researchers and students of crop stress and plant physiology.

344 pp, tables & figures
Paper, Oct 2019, 978 1 78639 525 2, \$ 85.00

**Climate Change and Crop Production**Edited by **Matthew P. Reynolds**

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. Chapters include discussions of adapting to biotic and abiotic stresses, sustainable and resource-conserving technologies and new tools for enhancing crop adaptation. Examples of successful applications as well as future prospects of how each discipline can be expected to evolve over the next 30 years are also presented. Laying out the basic concepts needed to adapt to and mitigate changes in crop environments, this is an essential resource for researchers and students in crop and environmental science as well as policy makers.

CABI Climate Change Series
308 pp
Paper, 2017, 978 1 78639 308 1, \$ 75.00

**Sustainable Water Management in Smallholder Farming***Theory and Practice*

Sara Finley

200 pp, figures & tables
Paper, 2016, 978 1 78064 687 9, \$ 65.00



Conservation Agriculture for Africa

Building Resilient Farming Systems in a Changing Climate

Edited by Amir H. Kassam, Saidi Mkomwa and Theodor Friedrich

This book assesses the latest trends in the adoption of conservation agriculture. Focusing on the most recent technologies to improve agricultural resilience to climate change, as well as increase profitability and sustainability, it takes a continental and sub-regional approach to African agriculture. Covering climate-proofing, resilience, sustainable intensification, and the extension and adoption process for new techniques, this book is a vital resource for researchers of agriculture and sustainability.

318 pp

Cloth, 2017, 978 1 78064 568 1, \$ 165.00



Natural Resources and Environmental Justice

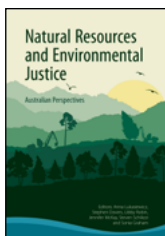
Australian Perspectives

Edited by Anna Lukasiewicz, Stephen Dovers, Libby Robin, Jennifer McKay, Steven Schilizzi and Sonia Graham

Natural Resources and Environmental Justice provides the first comprehensive, interdisciplinary examination of justice research in Australian environmental management, identifying best practice and current knowledge gaps. With chapters written by experts in environmental and social sciences, law and economics, this book covers topical issues, including coal seam gas, desalination plants, community relations in mining, forestry negotiations, sea-level rise and animal rights. It also proposes a social justice framework and an agenda for future justice research in environmental management.

288 pp

Paper, 2017, 978 1 48630 637 4, \$ 67.95



Social Science and Sustainability

Edited by Heinz Schandl and Iain Walker

Social Science and Sustainability draws on the wide-ranging experience of CSIRO's social scientists in the sustainability policy domain. These researchers have extensive experience in addressing complex issues of society-nature relationships, usually in interdisciplinary collaboration with natural scientists. This book describes some of the evidence-based concepts, frameworks, and methodologies they have developed, which may guide a transition to sustainability. Contributions range from exploring ways to enhance livelihoods and alleviate poverty to examining Australians' responses to climate change, to discussing sociological perspectives on sustainability, and how to make policy relevant.

232 pp, figures

Paper, 2017, 978 1 48630 640 4, \$ 52.95



Climate Change Challenges and Adaptations at Farm-level

Case Studies from Asia and Africa

Edited by Naveen P. Singh, Cynthia Bantilan, Kattarkandi Byjesh and Swamikannu Nedumaran

CABI Climate Change Series 9

232 pp

Cloth, 2016, 978 1 78064 463 9, \$ 170.95



Tree-Crop Interactions

Agroforestry in a Changing Climate

SECOND EDITION

Chin K. Ong, Colin R. Black and Julia Wilson

352 pp

Cloth, 2015, 978 1 78064 511 7, \$ 192.50



HORTICULTURE & FOOD

FORTHCOMING

Physiology of Vegetable Crops

SECOND EDITION

Edited by H. Christian Wien and Hartmut Stützel

Completely updated and revised, this bestselling book continues to explain the growth and developmental processes involved in the formation of vegetables.

The second edition of *The Physiology of Vegetable Crops*:

- contains two new chapters looking at stress effects on vegetable crops with a particular emphasis on climate change and models of vegetable growth and development
- is fully updated to reflect recent discoveries and the advent of new production techniques such as growing in artificial environments
- provides enhanced understanding of the growth and function of 18 different vegetable crops
- is heavily illustrated and published in full color throughout

496 pp, illus, full color throughout

Cloth, Apr 2020, 978 1 78639 377 7, \$ 210.00



FORTHCOMING

Tropical Roots and Tuber Crops

Cassava, Sweet Potato, Yams and Aroids

SECOND EDITION

Vincent Lebot

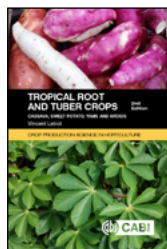
This second edition of *Tropical Root and Tuber Crops* is an authoritative treatment of four important root and tuber crops: cassava, sweet potato, yams, and aroids.

The same format is followed for each crop: Origin and History, Taxonomy and Botany, Breeding and Genetics, Developmental Physiology, Agronomy, Pests and Diseases, Post-Harvest Quality and Marketing. This new edition reviews the scientific literature produced during the last decade and presents major technical advancements. Modern molecular tools have been used to clarify the phylogeny, taxonomy and origin of these species. Similar advances have been made in physiology, agronomy, pathology and product chemistry. It is essential reading for students, researchers and horticulturists.

Crop Production Science in Horticulture

560 pp

Paper, Jan 2020, 978 1 78924 336 9, \$ 85.00



Sustaining Global Food Security

The Nexus of Science and Policy

Edited by Robert S. Zeigler

"Through a crop lens, and with contributions from academia, industry and government, the authors have done a masterful job of combining exciting new science with real world policy pragmatism. Drawing from history, the book explores the intricate interplay between technological and policy innovation, and the way in which the upsides of technological breakthroughs can be balanced against the inevitable downside risks, while maintaining the pace or scale of adoption needed to achieve and maintain global food security."—NICK AUSTIN, *Director, Agricultural Development, Bill and Melinda Gates Foundation*

Sustaining Global Food Security makes a compelling case that recent technological breakthroughs can move the planet towards a secure and sustainable food supply only if new policies are designed that allow their full expression.

Bob Zeigler has brought together a distinguished set of scientists and policy analysts to produce well-referenced chapters exploring international policies on genetic resources, molecular genetics, genetic engineering, crop breeding and protection, remote sensing, the changing landscape of agricultural policies in the world's largest countries, and trade. Those entering the agricultural sciences and those who aspire to influence public policy during their careers will benefit from the insights of this unique set of experiences and perspectives.

Cloth, Dec 2019, 9781486308088, \$143.95



TECHNIQUES IN PLANTATION SCIENCE SERIES

Oil palm is the world's most important oil crop. Presenting sound practices based on scientific innovation, these guides provide techniques integrated with expertise and the application of sustainable aspects of agronomy and crop protection, promoting green, eco-friendly agriculture.

NEW!

Trichoderma – Ganoderma Disease Control in Oil Palm

A Manual

Ike Viridiana, Miranti Rahmaningsih, Brian P. Forster and Julie Flood

This is a hands-on guide to the use of *Trichoderma* as a biocontrol, as part of sustainable disease control measures for *Ganoderma* disease in oil palm plantations. Practical information is given on: the use of *Trichoderma* to manage *Ganoderma* for research and commercial use; health and safety considerations in the laboratory, nursery and field; in vitro multiplication of *Trichoderma* starting from media preparation and culture; *Ganoderma* pathogenicity testing; *Trichoderma* in vitro antagonism screening of *Ganoderma*; *Trichoderma* screening to protect seedlings; and scoring *Ganoderma* response to *Trichoderma* in selecting aggressive *Trichoderma* isolates for commercial use and application in oil palm plantations.

96 pp

Paper, Oct 2019, 978 1 78924 145 7, \$ 30.00



NEW!

Nursery Practices in Oil Palm

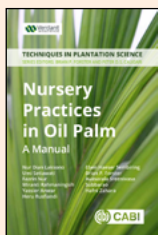
A Manual

Nur Dian Laksono, Umi Setiawati, Fazrin Nur, Miranti Rahmaningsih, Yassier Anwar, Heru Rusfiandi, Eben Haeser Sembiring, Brian P. Forster, Avasarala Sreenivasa Subbarao and Hafni Zahara

This is a practical guide to general and specific practices in oil palm nurseries to produce healthy, vigorous and uniform plants ready for field planting. The book covers: nursery set up; pre-nursery and main nursery; fertilizer programs; watering; culling; weeding; pests and diseases; pre-field genotypic screening and selection; and quarantine nurseries.

128 pp

Paper, Sep 2019, 978 1 78924 214 0, \$ 30.00



FORTHCOMING

Field Trials in Oil Palm Breeding

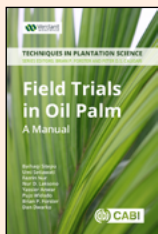
A Manual

Baihaqi Sitepu, Umi Setiawati, Fazrin Nur, Nur Dian Laksono, Yassier Anwar, Pujo Widodo, Brian P. Forster and Abdul R. Purba

The location for field trials is key, as is land preparation. Other logistics include: the germination of seeds from crossing programs; planting in a nursery and well-grown seedlings for field planting; trial design; recording of trials; and tests for oil yield.

96 pp

Paper, Dec 2019, 978 1 78924 139 6, \$ 35.00

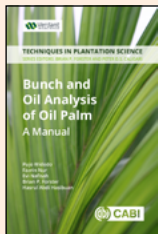


Bunch and Oil Analysis of Oil Palm

A Manual

Pujo Widodo, Fazrin Nur, Evi Nafisah, Brian P. Forster and H. A. Hasibuan

Bunch and oil analysis laboratories are set up at oil mills to assess production, yield potential of plantations and oil extraction rates relative to targets. The higher the oil yields the planting



material produces, the less land that is needed to achieve a specific level of production, hence helping in the sustainability of the crop.

96 pp

Paper, Jul 2019, 978 1 78924 136 5, \$ 30.00



Crossing in Oil Palm

A Manual

Umi Setiawati, Baihaqi Sitepu, Fazrin Nur, Brian P. Forster and Sylvester Dery

This book illustrates crossing techniques to maximize success and safeguard purity, enabling the production of high quality seeds to grow-on as planting material and in breeding superior cultivars, germplasm, target traits and commercial crossing; health and safety considerations in the field and laboratory; pollen collection and storage, pollen viability testing, and pollination; isolation of the female inflorescence; and commercial tenera production.

96 pp

Paper, 2018, 978 1 78639 591 7, \$ 30.00



Mutation Breeding in Oil Palm

Fazrin Nur, Brian P. Forster, Samuel A. Osei, Samuel Amiteye, Jennifer Ciomas, Soeranto Hoeman and Ljupcho Jankuloski

Presenting sound practices based on scientific innovation and knowledge, this guide provides techniques integrated with expertise and is authored by practitioners actively engaged in oil palm seed production and breeding. Promoting green, eco-friendly agriculture, this book features coverage of: mutation breeding, induction and detection in oil palm; mutant line/plant development in oil palm; and novel traits in oil palm improvement.

96 pp

Paper, 2018, 978 1 78639 621 1, \$ 30.00



Nursery Screening for Ganoderma Response in Oil Palm Seedlings

A Manual

Miranti Rahmaningsih, Ike Viridiana, Syamsul Bahri, Yassier Anwar, Brian P. Forster and Frédéric Breton

This practical guide covers seedling screening for disease response in oil palm for pathology, breeding and genetics. The book covers: health and safety considerations; media preparation for in vitro culture; collecting isolates and culture preparation; preparation of *Ganoderma* inoculum; nursery inoculation; and scoring response.

96 pp

Paper, 2018, 978 1 78639 624 2, \$ 30.00



Seed Production in Oil Palm

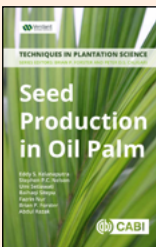
A Manual

Eddy S. Kelanaputra, Stephen P. C. Nelson, Umi Setiawati, Baihaqi Sitepu, Fazrin Nur, Brian P. Forster and Abdul Razak

Presenting sound practices based on scientific innovation and knowledge, this guide brings together the many aspects of seed germination in oil palm in one place, including: health and safety considerations; pollination and harvesting; seed preparation, viability testing and moisture testing; and seed processing for commercial production and breeding.

96 pp, four-color photos

Paper, 2018, 978 1 78639 588 7, \$ 30.00



NOW IN PAPER

Fruit Ripening

Physiology, Signalling and Genomics

Edited by Pravendra Nath, Mondher Bouzayan, Jean Claude Pech and Autar K. Mattoo

Fruit ripening is an important aspect of fruit production. The timing of it affects supply chains and buying behavior, and for consumers ripeness not only affects perceptions of health but has nutritional effects too. Ripeness is closely related to spoilage; spoilage has a major financial impact on agricultural industries. Currently there are fast moving developments in knowledge of the factors affecting fruit ripeness, and this up-to-date monograph seeks to draw together the disparate research in this area.

340 pp, figures & photos
Paper, Oct 2019, 978 1 78639 537 5, \$ 70.00



Australia's Role in Feeding the World

The Future of Australian Agriculture

Edited by Tor Hundloe, Sarah Blagrove and Hannah Ditton

This highly topical book draws together the latest intelligence on the sustainable production and distribution of food and other products from Australian farms. It examines questions that policy-makers, farmers, politicians, agricultural scientists and the general public are asking about the potential productivity of Australia's arable land, the environmental and economic impacts of seeking to increase productivity, and the value of becoming cleaner and greener in agricultural output.

280 pp, photos, maps & illus
Paper, 2017, 978 1 48630 589 6, \$ 44.95

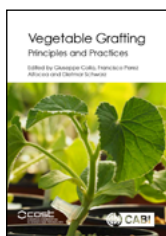


Tropical Forage Legumes

Harnessing the Potential of Desmanthus and Other Genera for Heavy Clay Soils

John R. Lazier and Nazeer Ahmad

480 pp, tables, figures & color photos
Cloth, 2016, 978 1 78064 628 2, \$ 231.95



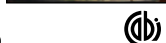
Vegetable Grafting

Principles and Practices

Edited by Giuseppe Colla, Francisco Perez-Alfocea and Dietmar Schwarz

Vegetable grafting is gaining considerable interest in research and practice as an alternative to fumigants, which are being phased out, to protect crops from soil-borne diseases.

296 pp, tables, figures & color photos
Cloth, 2017, 978 1 78064 897 2, \$ 144.00



The Nature of Crops

How We Came to Eat the Plants We Do

John Warren

184 pp
Paper, 2015, 978 1 78064 509 4, \$ 39.95



Vegetable Production and Practices

Gregory E. Welbaum

486 pp, figures & b/w photos
Paper, 2015, 978 1 84593 802 4, \$ 85.00



REFERENCE & RESEARCH

NEW!

Modelling Nature

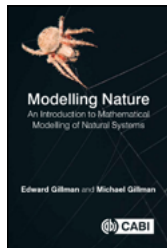
An Introduction to Mathematical Modelling of Natural Systems

Edward Gillman and Michael Gillman

This short textbook introduces students to the concept of describing natural systems using mathematical models. The authors highlight the variety of ways in which natural systems lend themselves to mathematical description and the importance of models in revealing fundamental processes. The process of science via the building, testing and use of models (theories) is described and forms the structure of the book.

The book covers a broad range from the molecular to ecosystems and whole-Earth phenomena. Themes running through the chapters include scale (temporal and spatial), change (linear and nonlinear), emergent phenomena and uncertainty. Mathematical descriptions are kept to a minimum and mechanisms and results are illustrated in graphical form wherever possible. Essential mathematical details are described fully, with the use of boxes. The mathematics support but do not lead the text.

262 pp
Cloth, Jul 2019, 978 1 78639 310 4, \$ 160.00
Paper, Jul 2019, 978 1 78639 313 5, \$ 75.00



FORTHCOMING

The Science of Communicating Science

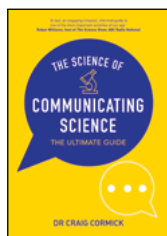
The Ultimate Guide

Craig Cormick

Are you wishing you knew how to better communicate science, without having to read several hundred academic papers and books on the topic? Luckily Dr Craig Cormick has done this for you!

This highly readable and entertaining book distills best practice research on science communication into accessible chapters, supported by case studies and examples. With practical advice on everything from messages and metaphors to metrics and ethics, you will learn what the public think about science and why, and how to shape scientific research into a story that will influence beliefs, behaviors and policies.

256 pp, 74 illus
Paper, Mar 2020, 978 1 48630 981 8, \$ 39.95



NEW!

Introductory Probability and Statistics

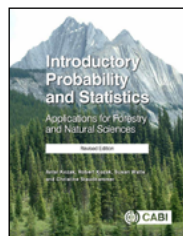
Applications for Forestry and Natural Sciences

REVISED EDITION

Robert A. Kozak, Antal Kozak, Christina L. Staudhammer and Susan B. Watts

This special revised edition of this unique textbook is specifically designed for statistics and probability courses taught to students of forestry and related disciplines. It introduces probability, statistical techniques, data analysis, hypothesis testing, experimental design, sampling methods, nonparametric tests and statistical quality control, using examples drawn from a forestry, wood science and conservation context. The book now includes several new practical exercises for students to practice data analysis and experimental design themselves. It has been updated throughout, and its scope has been broadened to reflect the evolving and dynamic nature of forestry, bringing in examples from conservation science, recreation and urban forestry.

448 pp
Paper, Sep 2019, 978 1 78924 330 7, \$ 75.00



INDEX

- Abd-Elgawad, M. M., 7
Abiotic Stresses in Crop Plants, 10
 Abrol, Dharam P., 8
 Adkins, Stephen, 9
Advances in GPPR Research, 4
 Ahmadi, Bouda Vosough, 6
 Ahmad, Nazeer, 13
 Ambrose, Dawn C. P., 10
Amino Acids in Higher Plants, 10
 Amiteye, Samuel, 12
Analytical Techniques for Natural Product Research, 5
 Anjum, Naser A., 10
 Anthony, Vivienne M., 4
 Anwar, Yassier, 12
Aphids as Crop Pests, 7
 Askary, Tarique Hassan, 7
Australia's Role in Feeding the World, 13
Automation in Tree Fruit Production, 5
 Babendreier, Dirk, 7
 Bahri, Syamsul, 12
 Baker, J., 5
 Bancroft, Roger D., 5
 Bange, M. P., 5
 Bantilan, Cynthia, 11
 Banwart, Steven A., 2
 Barnes, Andrew, 6
 Barney, Jacob N., 9
 Barr, Briony, 3
 Bateman, M., 7
 Batley, Graeme, 3
 Bauer, P., 5
 Beehag, Gary, 8
Biocontrol Agents, 7
Bioenergy and Biological Invasions, 9
Biological Control in Latin America and the Caribbean, 6
Biological Control of Plant-Parasitic Nematodes, 2
Biopesticides Manual, 7
Biosecurity Surveillance, 9
Biotechnology of Fruit and Nut Crops, 3
Biotechnology of Major Cereals, 4
 Black, Colin R., 11
 Blagrove, Sarah, 13
 Boonham, N., 8
 Bougher, Neale L., 8
 Bouzayen, Mondher, 13
 Bravo, Alejandra, 5
 Breton, Frédéric, 12
 Broughton, K. J., 5
Bt Resistance, 5
 Bueno, Vanda H.P., 6
Bunch and Oil Analysis of Oil Palm, 12
 Business of Plant Breeding, The, 4
 Byjesh, Kattarkandi, 11
 Chakraborty, Bishwanath, 10
 Chakraborty, Usha, 10
 Chaudhary, M., 7
 Ciomas, Jennifer, 12
Climate Change and Cotton Production in Modern Farming Systems, 5
Climate Change and Crop Production, 10
Climate Change Challenges and Adaptations at Farm-level, 11
Climate Change Impact and Adaptation in Agricultural Systems, 10
 Cocuzza, G. Massimino, 8
 Colla, Giuseppe, 13
 Colmenarez, Yelitza, 6
Conservation Agriculture for Africa, 11
 Constable, G., 5
Controlled Atmosphere Storage of Fruit and Vegetables, 5
 Cormick, Craig, 13
 Coupland, James, 7
 Coyne, D. L., 7
 Crocetti, Gregory, 3
Crossing in Oil Palm, 12
Cyst Nematodes, 7
 Dalmay, Tamas, 4
 Darnhofer, Ika, 5
Data Analysis in Vegetation Ecology, 6
 Dery, Sylvester, 12
 Dhileepan, Kunithapatham, 9
 Dittm, Hannah, 13
 D'Mello, J. P. F., 10
 Dovers, Stephen, 11
 Dubey, Nawal Kishore, 9
 Dulloo, Mohammad E., 4
 Durocher-Granger, L., 7
Economics of Soybean Disease Control, The, 7
 Egli, Dennis B., 6
 Ehlers, Wilfred, 5
 Ellison, Carol A., 9
Emerging Trends in Agr-Nanotechnology, 4
Endophyte Biotechnology, 3
Enhancing Crop Genepool Use, 4
Exploring Soils, 3
 Faheem, M., 7
Farm-level Modelling, 6
 Fermin, Gustavo, 8
Field Trials in Oil Palm Breeding, 12
 Finley, Sara, 10
 Flood, Julie, 12
 Ford-Lloyd, Brian V., 4
 Forster, Brian P., 12
 Fraceto, Leonardo Fernandes, 4
 Friedrich, Theodor, 11
Fruit Ripening, 13
 Fuhrer, Jürg, 10
Fungi of Australia, 8
 Gao, Yulin, 5
 Gerber, Esther, 8
 Gillman, Edward, 13
 Gillman, Michael, 13
 Gill, Ritui, 10
 Gill, Sarvajet S., 10
Global Urban Agriculture, 6
 Golding, John, 6
 Goss, Michael, 5
 Graham, Sonia, 11
 Gregory, Peter J., 10
 Grover, Samantha, 3
 Grunder, J., 7
 Hallmann, J., 7
Handbook of Microbial Metabolism of Amino Acids, The, 10
Handbook of Mites of Economic Plants, 8
Handbook of Naturally Occurring Insecticidal Toxins, The, 8
Handbook of Pest Management in Organic Farming, 8
 Harrington, Richard, 7
 Hasibuan, H. A., 12
 Hayden, Helen, 3
 Hazelton, Pam, 3
Healthy Soils for Healthy Vines, 2
 Heger, Tina, 9
 Heisl, Camille, 3
 Hoeman, Soeranto, 12
 Holmes, K. A., 7
 Hormaza, J. I., 3
 Hundloe, Tor, 13
Integrated Management of Insect Pests on Canola and Other Brassica Oilseed Crops, 8
Integrated Pest Management, 8
Integrated Pest Management in Tropical Regions, 8
Intellectual Property Issues in Biotechnology, 4
Interpreting Soil Test Results, 3
Introductory Probability and Statistics, 13
Invasion Biology, 9
Invasive Alien Plants, 9
Invasive Plant Species of the World, 8
 Jankuloski, Ljupcho, 12
 Jarrad, Frith, 9
 Jeschke, Jonathan M., 9
 Jha, Alok, 4
 Jin, W., 5
 Jones, Huw D., 4
 Jones, John T., 7
 Jordan, Brian R., 10
 Kaapro, Jyri, 8
 Kalaitzandonakes, Nicholas, 7
 Kassam, Amir H., 11
 Kaufman, James, 7
 Kelanaputra, Eddy S., 12
 Keswani, Chetan, 4
 Koul, Opender, 8
 Kozak, Antal, 13
 Kozak, Robert A., 13
 Kreiter, Serge, 8
 Krstic, Mark P., 2
 Kumar, Satyanshu, 5
 Lainsbury, Martin A., 7
 Laksono, Nur Dian, 12
 Larkins, Brian A., 4
 Lazier, John R., 13
Leafy Medicinal Herbs, 10
 Lebot, Vincent, 11
Legumes in Cropping Systems, 6
 Lima, Renata D. de, 4
 Litz, Richard E., 3
 Low-Choy, Samantha, 9
 Lukasiewicz, Anna, 11
 Luna, Maria Gabriela, 6
 Luo, Q., 5
Maize Kernel Development, 4
 Manickavasagan, Annamalai, 10
 Manners, Andrew, 8
 Matheny, P. Brandon, 8
 Matlaga, David P., 9
 Mattoo, Autar K., 13
 Maxted, Nigel, 4
 McKay, Jennifer, 11
 Mengersen, Kerrie, 9
 Milne, Eleanor, 2
 Mishra, Sandhya, 4
 Mkomwa, Saidi, 11
Modelling Nature, 13
 Moens, Maurice, 7
Molecular Methods in Plant Disease Diagnostics, 8
 Mulaa, M., 7
 Mumford, R., 8
 Murphy-Bokern, Donal, 6
 Murphy, Brian, 3
 Murphy, Sean T., 9
Mutation Breeding in Oil Palm, 12
 Nafisah, Evi, 12
 Naik, Ravindra, 10
 Nath, Pravendra, 13
Natural Resources and Environmental Justice, 11
Nature of Crops, The, 13
 Nedumaran, Swamikannu, 11
 Nelson, Stephen P. C., 12
Nema and the Xenos, 3
 Noellemeier, Elke, 2
 Nur, Fazrin, 12
Nursery Practices in Oil Palm, 12
Nursery Screening for Ganoderma Response in Oil Palm Seedlings, 12
 Ong, Chin K., 11
 Oosterhuis, D. M., 5
 Osanai, Y., 5
 Osei, Samuel A., 12
Parthenium Weed, 9
 Pattison, Tony, 3
 Payton, P., 5
 Pech, Jean Claude, 13
 Perez-Alfocea, Francisco, 13
 Perry, Roland N., 7
 Persley, Gabrielle J., 4
Pest Management of Turfgrass for Sport and Recreation, 8
Pest Risk Modelling and Mapping for Invasive Alien Species, 9
Physiology of Vegetable Crops, 11
Plant Adaptation to Environmental Change, 10
Plant Gene Silencing, 4
Plant Parasitic Nematodes in Subtropical and Tropical Agriculture, 7
Plants as a Source of Natural Antioxidants, 9
Plant Stress Physiology, 10
 Pliego-Alfaro, F., 3
Postharvest, 6
 Prange, Robert K., 5
 Purba, Abdul R., 12
 Puttongsiri, Tongchai, 5
 Quinn, Lauren D., 9
 Rahmaningsih, Miranti, 12
 Rapisarda, Carmelo, 8
 Razak, Abdul, 12
 Reddy, Gadi V. P., 8
 Reddy, K., 5
 Reed, Aviva, 3
Review of Invertebrate Biological Control Agents Introduced into Europe, 8
 Reynolds, Matthew P., 10
 Robin, Libby, 11
 Rusfiandi, Heru, 12
 Sankaran, K. V., 9
 Sarma, Birinchi Kumar, 4
 Schaffner, Urs, 8
 Schandl, Heinz, 11
 Schilz, Steven, 11
 Schouten, Alexander, 3
 Schwarz, Dietmar, 13
Science of Communicating Science, The, 13
Sediment Quality Assessment, 3
Seed Biology and Yield of Grain Crops, 6
Seed Production in Oil Palm, 12
 Sembringer, Eben Haeser, 12
 Setiawati, Umi, 12
 Shabala, Sergey, 10
 Shabbir, Asad, 9
 Shankar, Uma, 8
 Shrestha, Shailesh, 6
 Sikora, R., 7
 Simpson, Stuart, 3
 Singh, B. K., 5
 Singh, Harikesh Bahadur, 4
 Singh, Naveen P., 11
 Sitepu, Baihaqi, 12
 Soberón, Mario, 5
Social Science and Sustainability, 11
Soil Carbon, 2
Soil Health, Soil Biology, Soilborne Diseases and Sustainable Agriculture, 3
 Staudhammer, Christina L., 13
 Stirling, Graham R., 2, 3
 Stirling, Marcelle, 3
 Stock, S. Patricia, 3
 Stoddard, Fred, 6
 Stützel, Hartmut, 11
 Subbarao, Avasarala Sreenivasa, 12
Sustainable Bamboo Development, 5
Sustainable Water Management in Smallholder Farming, 10
Sustaining Global Food Security, 11
 Sutherland, Lee-Ann, 5
 Tennant, Paula, 8
 Thompson, Anthony K., 5
 Timper, P., 7
 Tissue, D. T., 5
 Tomlinson, J., 8
Transition Pathways Towards Sustainability in Agriculture, 5
Tree-Crop Interactions, 11
Trichoderma - Ganoderma Disease Control in Oil Palm, 12
Tropical Forage Legumes, 13
Tropical Roots and Tuber Crops, 11
UK Pesticide Guide 2019, The, 7
UV-B Radiation and Plant Life, 10
 Vacante, Vincenzo, 8
 van Emden, Helmut, 7
 van Lenteren, J. C., 6
Vegetable Grafting, 13
Vegetable Production and Practices, 13
 Venette, Robert C., 9
 Viridiana, Ike, 12
Virus Diseases of Tropical and Subtropical Crops, 8
 Walker, Iain, 11
 Warren, John, 13
Water Dynamics in Plant Production, 5
 Watson, Christine, 6
 Watts, Susan B., 13
 Weber, Ewald, 8
 Welbaum, Gregory E., 13
 White, Robert E., 2
 Widodo, Pujo, 12
 Wien, H. Christian, 11
 Wild, Ailsa, 3
 Maxted, Nigel, 4
 McKay, Jennifer, 11
 Mengersen, Kerrie, 9
 Milne, Eleanor, 2
 Mishra, Sandhya, 4
 Mkomwa, Saidi, 11
Modelling Nature, 13
 Moens, Maurice, 7
Molecular Methods in Plant Disease Diagnostics, 8
 Mulaa, M., 7
 Mumford, R., 8
 Murphy-Bokern, Donal, 6
 Murphy, Brian, 3
 Murphy, Sean T., 9
Mutation Breeding in Oil Palm, 12
 Nafisah, Evi, 12
 Naik, Ravindra, 10
 Nath, Pravendra, 13
Natural Resources and Environmental Justice, 11
Nature of Crops, The, 13
 Nedumaran, Swamikannu, 11
 Nelson, Stephen P. C., 12
Nema and the Xenos, 3
 Noellemeier, Elke, 2
 Nur, Fazrin, 12
Nursery Practices in Oil Palm, 12
Nursery Screening for Ganoderma Response in Oil Palm Seedlings, 12
 Ong, Chin K., 11
 Oosterhuis, D. M., 5
 Osanai, Y., 5
 Osei, Samuel A., 12
Parthenium Weed, 9
 Pattison, Tony, 3
 Payton, P., 5
 Pech, Jean Claude, 13
 Perez-Alfocea, Francisco, 13
 Perry, Roland N., 7
 Persley, Gabrielle J., 4
Pest Management of Turfgrass for Sport and Recreation, 8
Pest Risk Modelling and Mapping for Invasive Alien Species, 9
Physiology of Vegetable Crops, 11
Plant Adaptation to Environmental Change, 10
Plant Gene Silencing, 4
Plant Parasitic Nematodes in Subtropical and Tropical Agriculture, 7
Plants as a Source of Natural Antioxidants, 9
Plant Stress Physiology, 10
 Pliego-Alfaro, F., 3
Postharvest, 6
 Prange, Robert K., 5
 Purba, Abdul R., 12
 Puttongsiri, Tongchai, 5
 Quinn, Lauren D., 9
 Rahmaningsih, Miranti, 12
 Rapisarda, Carmelo, 8
 Razak, Abdul, 12
 Reddy, Gadi V. P., 8
 Reddy, K., 5
 Reed, Aviva, 3
Review of Invertebrate Biological Control Agents Introduced into Europe, 8
 Reynolds, Matthew P., 10
 Robin, Libby, 11
 Rusfiandi, Heru, 12
 Sankaran, K. V., 9
 Sarma, Birinchi Kumar, 4
 Schaffner, Urs, 8
 Schandl, Heinz, 11
 Schilz, Steven, 11
 Schouten, Alexander, 3
 Schwarz, Dietmar, 13
Science of Communicating Science, The, 13
Sediment Quality Assessment, 3
Seed Biology and Yield of Grain Crops, 6
Seed Production in Oil Palm, 12
 Sembringer, Eben Haeser, 12
 Setiawati, Umi, 12
 Shabala, Sergey, 10
 Shabbir, Asad, 9
 Shankar, Uma, 8
 Shrestha, Shailesh, 6
 Sikora, R., 7
 Simpson, Stuart, 3
 Singh, B. K., 5
 Singh, Harikesh Bahadur, 4
 Singh, Naveen P., 11
 Sitepu, Baihaqi, 12
 Soberón, Mario, 5
Social Science and Sustainability, 11
Soil Carbon, 2
Soil Health, Soil Biology, Soilborne Diseases and Sustainable Agriculture, 3
 Staudhammer, Christina L., 13
 Stirling, Graham R., 2, 3
 Stirling, Marcelle, 3
 Stock, S. Patricia, 3
 Stoddard, Fred, 6
 Stützel, Hartmut, 11
 Subbarao, Avasarala Sreenivasa, 12
Sustainable Bamboo Development, 5
Sustainable Water Management in Smallholder Farming, 10
Sustaining Global Food Security, 11
 Sutherland, Lee-Ann, 5
 Tennant, Paula, 8
 Thompson, Anthony K., 5
 Timper, P., 7
 Tissue, D. T., 5
 Tomlinson, J., 8
Transition Pathways Towards Sustainability in Agriculture, 5
Tree-Crop Interactions, 11
Trichoderma - Ganoderma Disease Control in Oil Palm, 12
Tropical Forage Legumes, 13
Tropical Roots and Tuber Crops, 11
UK Pesticide Guide 2019, The, 7
UV-B Radiation and Plant Life, 10
 Vacante, Vincenzo, 8
 van Emden, Helmut, 7
 van Lenteren, J. C., 6
Vegetable Grafting, 13
Vegetable Production and Practices, 13
 Venette, Robert C., 9
 Viridiana, Ike, 12
Virus Diseases of Tropical and Subtropical Crops, 8
 Walker, Iain, 11
 Warren, John, 13
Water Dynamics in Plant Production, 5
 Watson, Christine, 6
 Watts, Susan B., 13
 Weber, Ewald, 8
 Welbaum, Gregory E., 13
 White, Robert E., 2
 Widodo, Pujo, 12
 Wien, H. Christian, 11
 Wild, Ailsa, 3
 Maxted, Nigel, 4
 McKay, Jennifer, 11
 Mengersen, Kerrie, 9
 Milne, Eleanor, 2
 Mishra, Sandhya, 4
 Mkomwa, Saidi, 11
Modelling Nature, 13
 Moens, Maurice, 7
Molecular Methods in Plant Disease Diagnostics, 8
 Mulaa, M., 7
 Mumford, R., 8
 Murphy-Bokern, Donal, 6
 Murphy, Brian, 3
 Murphy, Sean T., 9
Mutation Breeding in Oil Palm, 12
 Nafisah, Evi, 12
 Naik, Ravindra, 10
 Nath, Pravendra, 13
Natural Resources and Environmental Justice, 11
Nature of Crops, The, 13
 Nedumaran, Swamikannu, 11
 Nelson, Stephen P. C., 12
Nema and the Xenos, 3
 Noellemeier, Elke, 2
 Nur, Fazrin, 12
Nursery Practices in Oil Palm, 12
Nursery Screening for Ganoderma Response in Oil Palm Seedlings, 12
 Ong, Chin K., 11
 Oosterhuis, D. M., 5
 Osanai, Y., 5
 Osei, Samuel A., 12
Parthenium Weed, 9
 Pattison, Tony, 3
 Payton, P., 5
 Pech, Jean Claude, 13
 Perez-Alfocea, Francisco, 13
 Perry, Roland N., 7
 Persley, Gabrielle J., 4
Pest Management of Turfgrass for Sport and Recreation, 8
Pest Risk Modelling and Mapping for Invasive Alien Species, 9
Physiology of Vegetable Crops, 11
Plant Adaptation to Environmental Change, 10
Plant Gene Silencing, 4
Plant Parasitic Nematodes in Subtropical and Tropical Agriculture, 7
Plants as a Source of Natural Antioxidants, 9
Plant Stress Physiology, 10
 Pliego-Alfaro, F., 3
Postharvest, 6
 Prange, Robert K., 5
 Purba, Abdul R., 12
 Puttongsiri, Tongchai, 5
 Quinn, Lauren D., 9
 Rahmaningsih, Miranti, 12
 Rapisarda, Carmelo, 8
 Razak, Abdul, 12
 Reddy, Gadi V. P., 8
 Reddy, K., 5
 Reed, Aviva, 3
Review of Invertebrate Biological Control Agents Introduced into Europe, 8
 Reynolds, Matthew P., 10
 Robin, Libby, 11
 Rusfiandi, Heru, 12
 Sankaran, K. V., 9
 Sarma, Birinchi Kumar, 4
 Schaffner, Urs, 8
 Schandl, Heinz, 11
 Schilz, Steven, 11
 Schouten, Alexander, 3
 Schwarz, Dietmar, 13
Science of Communicating Science, The, 13
Sediment Quality Assessment, 3
Seed Biology and Yield of Grain Crops, 6
Seed Production in Oil Palm, 12
 Sembringer, Eben Haeser, 12
 Setiawati, Umi, 12
 Shabala, Sergey, 10
 Shabbir, Asad, 9
 Shankar, Uma, 8
 Shrestha, Shailesh, 6
 Sikora, R., 7
 Simpson, Stuart, 3
 Singh, B. K., 5
 Singh, Harikesh Bahadur, 4
 Singh, Naveen P., 11
 Sitepu, Baihaqi, 12
 Soberón, Mario, 5
Social Science and Sustainability, 11
Soil Carbon, 2
Soil Health, Soil Biology, Soilborne Diseases and Sustainable Agriculture, 3
 Staudhammer, Christina L., 13
 Stirling, Graham R., 2, 3
 Stirling, Marcelle, 3
 Stock, S. Patricia, 3
 Stoddard, Fred, 6
 Stützel, Hartmut, 11
 Subbarao, Avasarala Sreenivasa, 12
Sustainable Bamboo Development, 5
Sustainable Water Management in Smallholder Farming, 10
Sustaining Global Food Security, 11
 Sutherland, Lee-Ann, 5
 Tennant, Paula, 8
 Thompson, Anthony K., 5
 Timper, P., 7
 Tissue, D. T., 5
 Tomlinson, J., 8
Transition Pathways Towards Sustainability in Agriculture, 5
Tree-Crop Interactions, 11
Trichoderma - Ganoderma Disease Control in Oil Palm, 12
Tropical Forage Legumes, 13
Tropical Roots and Tuber Crops, 11
UK Pesticide Guide 2019, The, 7
UV-B Radiation and Plant Life, 10
 Vacante, Vincenzo, 8
 van Emden, Helmut, 7
 van Lenteren, J. C., 6
Vegetable Grafting, 13
Vegetable Production and Practices, 13
 Venette, Robert C., 9
 Viridiana, Ike, 12
Virus Diseases of Tropical and Subtropical Crops, 8
 Walker, Iain, 11
 Warren, John, 13
Water Dynamics in Plant Production, 5
 Watson, Christine, 6
 Watts, Susan B., 13
 Weber, Ewald, 8
 Welbaum, Gregory E., 13
 White, Robert E., 2
 Widodo, Pujo, 12
 Wien, H. Christian, 11
 Wild, Ailsa, 3
 Maxted, Nigel, 4
 McKay, Jennifer, 11
 Mengersen, Kerrie, 9
 Milne, Eleanor, 2
 Mishra, Sandhya, 4
 Mkomwa, Saidi, 11
Modelling Nature, 13
 Moens, Maurice, 7
Molecular Methods in Plant Disease Diagnostics, 8
 Mulaa, M., 7
 Mumford, R., 8
 Murphy-Bokern, Donal, 6
 Murphy, Brian, 3
 Murphy, Sean T., 9
Mutation Breeding in Oil Palm, 12
 Nafisah, Evi, 12
 Naik, Ravindra, 10
 Nath, Pravendra, 13
Natural Resources and Environmental Justice, 11
Nature of Crops, The, 13
 Nedumaran, Swamikannu, 11
 Nelson, Stephen P. C., 12
Nema and the Xenos, 3

ORDER FORM

Order by phone: 1-800-232-0223

Fax: 703-661-1501

On-line: www.Styluspub.com

We request prepayment in US dollars. We accept American Express, MasterCard, and Visa. Make checks payable to "Stylus Publishing."

SHIP TO:

Name: _____

Company/Inst.: _____

Address: _____

City: _____

State/Zip/Postal Code: _____

Country: _____

E-mail address: _____

I ENCLOSE PAYMENT BY (check one):

- Check American Express Visa MasterCard

Card #: _____ Exp. Date: _____

Signature: _____

Daytime Tel: _____

PLEASE SHIP:

TITLE	BINDING	ISBN	PRICE	QTY.	TOTAL

Subtotal _____

VA residents add 5% sales tax _____

Add shipping: \$5.00 for 1st book;
\$1.00 each subsequent _____

TOTAL _____

*Prices and descriptions subject to change without notice.
Prices are in US dollars.*

QUANTITY DISCOUNT

2-4 copies*	20%
5-9 copies*	25%
10-24 copies*	30%
25-99 copies*	35%
100+ copies*	40%

*assorted copies



PUBLISHING



PO Box 605, Herndon, VA 20172-0605

TEL: 800 232 0223 • 703 661 1581

FAX: 703 661 1501

E-MAIL: StylusMail@PressWarehouse.com

VISIT US ON THE WEB: www.styluspub.com

CONNECT WITH US ONLINE!



@CABI_News
@CABI_books_US
www.facebook.com/CABI.development



@CSIROPublishing
www.facebook.com/CSIROPUBLISHING

Distributed in North America by Stylus Publishing.
View more from these publishers at www.StylusPub.com

Source code: SOIL20

Expires 9/30/20

Connect with Stylus Online! @StylusPub



22883 Quicksilver Drive
Sterling, VA 20166-2019

PUBLISHING, LLC.

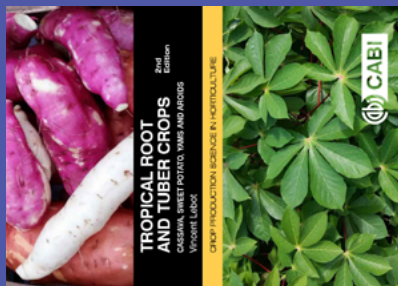
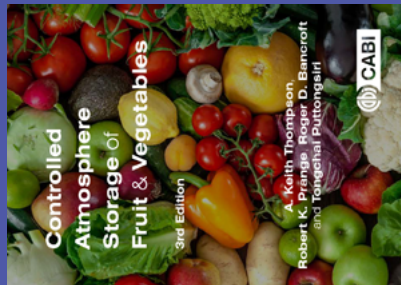
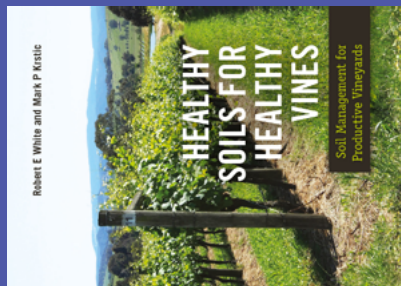
www.styluspub.com



PUBLISHING

Cover photo: © istockphoto.com

Save with Quantity
Discounts—*see inside*



2020 Soil & Crop Science

www.styluspub.com