



**new and forthcoming titles
from CABI 2009**





contents

- 02 agriculture
- 06 plant sciences
- 11 mycology and parasitology
- 14 environmental sciences
- 19 animal and veterinary sciences
- 28 human health, food and nutrition
- 31 leisure and tourism
- 35 index

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indicates the publication is a textbook

www.cabi.org

KNOWLEDGE FOR LIFE

key highlights from our 2009/10 titles



Introduction to Pandemic Influenza

Edited by **J Van-Tam** and **C Sellwood**

With a strong emphasis on practical preparedness issues, and covering areas not dealt with by traditional texts, this book covers all aspects of pandemic influenza, promoting the better understanding of influenza that will be needed to battle future pandemics.

See page 28



Improving Animal Welfare

Edited by **T Grandin**

This new textbook, from acclaimed animal welfare academic Temple Grandin, aims to help those working with animals to apply practical methods for improving welfare, bridging the gap between scientific research and its practical application.

See page 20



Keys to the Nematode Parasites of Vertebrates

Edited by **R C Anderson**, **A G Chabaud** and **S Willmott** (Archival Volume)
L M Gibbons (Supplementary Volume)

Published for the first time as an archival volume, the original Keys are refreshed and reformatted with the additional convenience of reordering by superfamily. The supplementary volume includes revised and redescribed taxa to complement the archival volume.

See page 11



Molecular Plant Breeding

Y Xu

Bridging the gap between developments in biotechnology and its applications in plant improvement, this long awaited work provides an integrated overview of issues from basic theories to their applications to crop improvement.

See page 6

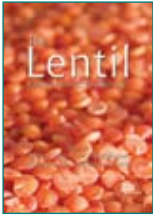


The Entertainment Industry: an Introduction (CABI Tourism Texts)

Edited by **S Moss**

Covering key aspects of entertainment by profiling individual sectors, each chapter of this essential textbook covers the history and background, products and segmentation, contemporary issues, micro and macro business elements, environmental influences, detailed case studies and future directions in entertainment.

See page 31



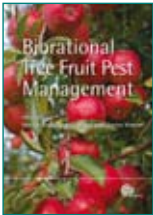
The Lentil: Botany, Production and Uses

Edited by **W Erskine**, University of Western Australia, **F S Muehlbauer**, USDA-ARS, **A Sarker**, ICARDA and **B Sharma**, Indian Agricultural Institute, India

In the last three decades, the global production of lentils has almost tripled due to larger harvest areas but also, more importantly, to progress in research and productivity. The chapters outline improvements in production, such as water and soil nutrient management, agronomy, mechanization and weed management. Developments in genetics and breeding are discussed alongside improved knowledge of the lentil's origin, domestication, morphology and adaptation. The implementation and impact of this new research at farm level is also addressed as well as the crop's post-harvest processing and nutritional value.

June 2009 / 480 pages / HB / 978 1 84593 487 3

£95 / US\$190 / €145



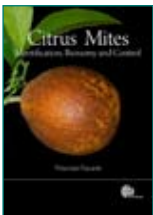
Biorational Tree Fruit Pest Management

Edited by **M Aluja**, Unidad de Entomología Aplicada, Mexico, **T C Leskey**, USDA-ARS and **C Vincent**, Agriculture and Agri-Food Canada

Focusing on insect pests of tree fruits and combining behavioural research with crop protection applications, this book emphasizes the importance of environmentally sustainable approaches in an agroecosystem. Both experimental and applied topics are discussed, including the conceptual framework of Integrated Pest Management (IPM), functional and behavioural ecology of a pest, host detection mechanisms and monitoring tool development, as well as pest management case studies. Representing a comprehensive discussion of tree fruit pest management, from the evolution, ecology and behaviour of insect pests to the implementation of applied biorational programmes, this is essential reading for researchers as well as commercial growers and extension agents.

June 2009 / 312 pages / HB / 978 1 84593 484 2

£85 / US\$170 / €130



Citrus Mites: Identification, Bionomy and Control

V Vacante, Mediterranean University, Italy

Citrus pests are a serious issue for crop growers, causing problems in yield and economic losses. *Citrus Mites* is a comprehensive study of mites harmful to citrus plants from all citrus-growing regions around the world. Providing a useful resource for identifying citrus crop pests, the text also addresses methods of removal from plants, describes symptoms of damage caused by pests and discusses methods of eradication and control, making it essential reading for horticulturalists, pomologists and acarologists, as well as practitioners, researchers and students of crop protection and pest management.

December 2009 / c.352 pages / HB / 978 1 84593 498 9

£85 / US\$170 / €120



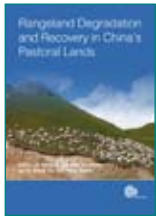
Insect-resistant Maize

J Bürgi, freelance journalist, Switzerland

Many poor farmers in sub-Saharan Africa suffer heavily from crop losses due to the stem borer insect pest. Insecticides are often unaffordable so the 'Insect Resistant Maize for Africa' (IRMA) project was developed to produce resistant maize that could adapt to different climates through conventional breeding or the controversial use of genetic engineering. The independent author gives his impartial description of the project, providing balanced arguments on this debate about agricultural development policy and the use of modern plant-breeding techniques.

September 2009 / 304 pages / **HB / 978 1 84593 569 6**

£65 / US\$130 / €95



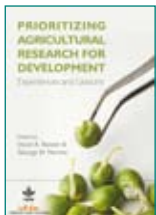
Rangeland Degradation and Recovery in China's Pastoral Lands

Edited by **V R Squires**, University of Adelaide, Australia, **X Lu**, Beijing Forestry University, China, **Q Lu**, Chinese Academy of Forestry, **T Wang**, Chinese Academy of Science and **Y Yang**, United Nations Convention to Combat Desertification (UNCCD), Thailand

The extreme climate variability that characterizes China's arid rangelands can cause drought and degradation, resulting in dust storms, floods, animal losses, financial hardship and a decline in food availability. Addressing the issues of even greater climate extremes in the future, this book discusses both new approaches and past successes and failures in order to provide the necessary insight to develop sustainable rangeland management strategies, drawing on regional case studies and lessons learned from Australia, Canada and the USA.

June 2009 / 280 pages / **HB / 978 1 84593 496 5**

£85 / US\$170 / €130



Prioritizing Agricultural Research for Development: Experiences and Lessons

Edited by **D A Raitzer**, CIFOR, Indonesia and **G Norton**, Virginia Tech University, USA

Systematic empirical analysis is needed to help guide limited public resources to those research areas that have the greatest potential to produce benefits for the poor and the environment. Focusing on priority-setting practices utilized in different international agricultural research institutes, this book discusses real-world experiences and innovations, with priority assessment methods. The chapters present approaches that have been used to articulate, explore and assess impact pathways and research priorities, while also considering their strengths and weaknesses, demonstrating how different strategies can be used to fit specific contexts in agricultural development.

July 2009 / 256 pages / **HB / 978 1 84593 566 5**

£75 / US\$150 / €115



Agro-industries for Development

Edited by **C A da Silva**, **D Baker** and **A W Shepherd**, FAO, Italy and **C Jenane** and **S Miranda-da-Cruz**, UNIDO, Austria

The development of competitive agro-industries is crucial for creating employment and income opportunities as well as enhancing the quality of and demand for farm products. Agro-industries can have a real effect on international development by increasing economic growth and reducing poverty in both rural and urban areas of developing countries. However,

in order to avoid adverse effects on vulnerable countries and people, sound policies and strategies for fostering agro-industries are needed. With contributions from agro-industry specialists, academic experts and UN technical agencies, chapters address the strategies and actions required for improving agro-industrial competitiveness in ways that can create income, generate employment and fight poverty in the developing world. *Agro-industries for Development* highlights the current status and future course for agro-industries and brings attention to the contributions this sector can make to international development.

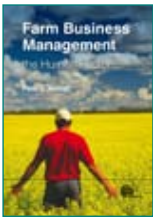
This book is a co-publication with FAO and UNIDO.

August 2009 / 304 pages / **HB / 978 1 84593 576 4**

£65 / US\$130 / €100

August 2009 / 304 pages / **PB / 978 1 84593 577 1**

£45 / US\$90 / €70



Farm Business Management: The Human Factor

P L Nuthall, Lincoln University, New Zealand

The underlying economic factors that affect primary production are frequently studied and written about – soil quality, animal health, climate, machinery – but this is the first book to explore the role of the psychology of the manager running the farm business, the person responsible for staff, strategic decisions and financial success or failure. The book addresses fundamental aspects of farm management such as the process of decision making, personal skills, and methods to improve managerial ability.

November 2009 / 240 pages / **HB / 978 1 84593 598 6**

£75 / US\$150 / €105



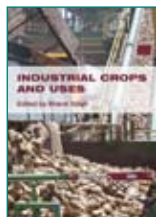
The Next Rural Economies: Constructing Rural Place in Global Economies

Edited by **G R Halseth**, University of Northern British Columbia, Canada, **S Markey**, Simon Fraser University, Canada and **D Bruce**, Mount Allison University, Canada

Rural policy in industrialized countries is currently undergoing significant change. 'Place-based economies', where the unique attributes and assets of individual places determine their attractiveness for particular types of activities and investments, are increasingly important for rural development. *The Next Rural Economies* debates the future of rural development and highlights successes and failures to inform research, policy and community action. Case studies present discussions of the current state of rural community and economic restructuring and provide research and policy directions for constructing resilient and sustainable rural economies.

December 2009 / c.320 pages / **HB / 978 1 84593 581 8**

£75 / US\$150 / €105



Industrial Crops and Uses

Edited by **B Singh**, Fort Valley State University, USA

The demand for plant-based industrial raw materials as alternatives to synthetically-produced materials has increased, as has research into expanding the utility of plants for current and future uses. Non-food crops can be used in a variety of different industries and products including bioenergy, industrial oil and starch, fibre and dye, rubber and related compounds, insecticide and land rehabilitation. In a comprehensive

coverage of each of these uses, chapters discuss the identification of plant species with the desired traits, their cultivation to obtain the needed raw materials, methods utilized in producing different finished products, current and future research in crop production and processing, and the present status and future prospects for the industry.

March 2010 / c.512 pages / **HB** / 978 1 84593 616 7

£95 / US\$190 / €135



The Economics of Regulation in Agriculture: Compliance with Public and Private Standards

Edited by **F Brouwer**, LEI - Wageningen UR, The Netherlands, **G Fox**, University of Guelph, Canada and **R Jongneel**, LEI - Wageningen UR, The Netherlands

This work debates and investigates the cross-compliance system whereby farmers comply with certain standards relating to the environment, food safety and animal and plant health. It discusses cross-compliance in the

context of existing standards, on-farm costs and the competitiveness of farm businesses, analysing the economics of regulation both within the internal market of the EU and the broader world market by examining a broad range of agricultural products. This resource is of value to agricultural and resource economists, policy makers, researchers and students in environmental and agricultural policy and modelling.

March 2010 / c.272 pages / **HB** / 978 1 84593 557 3

£65 / US\$130 / €95

Related titles

The Mango, 2nd edition: Botany, Production and Uses

Edited by **R E Litz**, University of Florida, USA

April 2009 / 680 pages / **HB** / 978 1 84593 489 7

£135 / US\$270 / €205

Guide to Cultivated Plants

A T G Elzebroek and **K Wind**, Wageningen University, The Netherlands

July 2008 / 560 pages / **HB** / 978 1 84593 356 2

£95 / US\$190 / €150

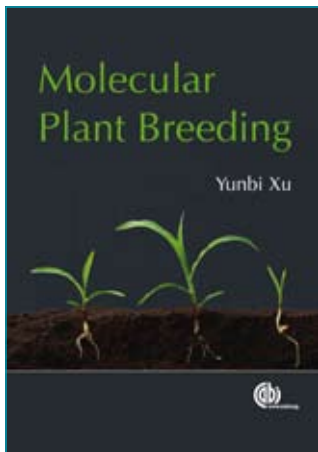
Grapes

Crop Production Science in Horticulture Series, Vol 16

G L Creasy, Lincoln University, New Zealand and **L L Creasy**, Cornell University, USA

January 2008 / 304 pages / **PB** / 978 1 84593 401 9

£35 / US\$70 / €55



Molecular Plant Breeding

Y Xu, International Maize and Wheat Improvement Centre, Mexico

Recent advances in plant genomics and molecular biology have revolutionized our understanding of plant genetics, providing new opportunities for more efficient and controllable plant breeding. Successful techniques require a solid understanding of the underlying molecular biology as well as experience in applied plant breeding.

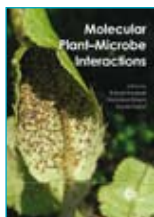
Bridging the gap between developments in biotechnology and its applications in plant improvement, *Molecular Plant Breeding* provides an integrative overview of issues from basic theories to their applications to crop improvement, including molecular marker technology, gene mapping, genomics and bioinformatics, quantitative genetics and breeding methodology.

Key features

- 60 figures / illustrations
- Provides an analysis of decision support tools and managing plant genetic resources
- Essential reading for researchers involved in plant breeding and plant biology

December 2009 / c.640 pages / **HB / 978 1 84593 392 0**

£95 / US\$190 / €145



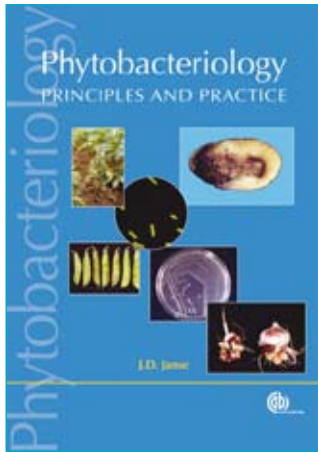
Molecular Plant-Microbe Interactions

Edited by **K Bouarab**, Université de Sherbrooke, Canada,
N Brisson, University of Montreal, Canada and
F Daayf, University of Manitoba, Canada

Plants have evolved both general and highly specialized defence mechanisms that function to prevent diseases caused by the majority of microbial pathogens they encounter. Highly specialized defence is governed by specific interactions between pathogen *avr* (avirulence) genes' loci and alleles of the corresponding plant disease resistance (*R*) loci. These defences can be very dynamic, as microbes from the same species can act differently in their co-evolution with the specific host plant, which in turn has similarly evolved its response to external threats. There have been major developments in the field of plant-microbe interactions in recent years, due to newly developed techniques and the availability of genomic information. *Molecular Plant-Microbe Interactions* explores these new discoveries, focusing primarily on the mechanisms controlling plant disease resistance, the cross-talk among the pathways involved and the strategies used by the pathogens to suppress these defences.

September 2009 / 368 pages / **HB / 978 1 84593 574 0**

£85 / US\$170 / €130



Now in paperback

Phytobacteriology: Principles and Practice

J D Janse, Dutch National Inspection Service,
The Netherlands

This reprint of the 2006 hardback book is a comprehensive manual of phytobacteriology, rich in illustrations, with over 200 colour photographs and line drawings. Starting with a brief outline of the history and science of bacteriology, it gives an overview of the diversity and versatility of bacteria. It goes on to explain diagnosis of bacterial plant diseases, including detection, characterization and identification of plant-pathogenic bacteria, using conventional and molecular methods, and furthermore how bacteria can cause disease, and the reaction of plants to bacterial diseases. It also discusses the epidemiology and economic importance of bacterial diseases, and strategies for their prevention and

control in order to reduce crop losses. This book concludes with some 50 examples of well known and lesser known plant-pathogenic bacteria and the diseases they cause.

October 2009 / 368 pages / **PB** / **978 1 84593 600 6**

£49.95 / US\$100 / €70

August 2006 / 368 pages / **HB** / **978 1 84593 025 7**

£75 / US\$150 / €120



Management of Fungal Plant Pathogens

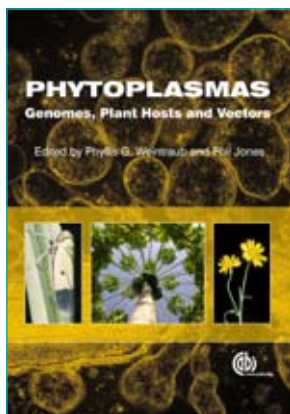
Edited by **A O Arya**, The Maharaja Sayajirao University of Baroda, India and
A E Perelló, Universidad Nacional de La Plata, Argentina

Microbes, including fungi, are always adapting to different environmental conditions, and phytopathologists are continually faced with the management of new diseases and the resurgence of old ones. Amidst growing concerns about the environment and food security, the development of management strategies that minimize crop losses and promote sustainable agriculture is increasingly important.

Management of Fungal Plant Pathogens presents a review of research into pathogenic fungi in a diverse selection of economically important crops, including fruits and cereals. The establishment and management of fungal plant disease using conventional and ecofriendly methods is discussed, with an emphasis on the use of microorganisms and biotechnology. Chapters also examine the role of microbes in growth promotion, as bioprotectors and bioremediators, and present practical strategies for using microbes as well as botanicals in sustainable agriculture.

January 2010 / c.416 pages / **HB** / **978 1 84593 603 7**

£95 / US\$190 / €135



Phytoplasmas: Genomes, Plant Hosts and Vectors

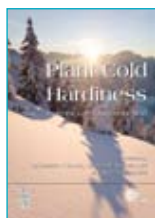
Edited by **P G Weintraub**, Gilat Research Center, Israel and **P Jones**, Rothamsted Research, UK

Phytoplasmas are plant pathogenic bacteria that cause plant health problems around the world. Our knowledge of these important plant pathogens has advanced rapidly over the last decade as their impact on major agricultural and horticultural crops and ornamental plants has increased.

This comprehensive volume by leaders in the field of phytoplasmaology brings together current research on phytoplasmas, their plant hosts and insect vectors. The various approaches to differentiation, classification and taxonomy are examined in detail, including genome sequencing and functional genomics. Discussions of the relationship between phytoplasmas and plants include the development of disease, biochemical changes in their plant hosts, plant resistance and epidemiology of disease. Finally, transmission by insect vectors, their control, and the distribution and potential spread of phytoplasma diseases and vectors are considered.

November 2009 / c.336 pages / **HB / 978 1 84593 530 6**

£85 / US\$170 / €130



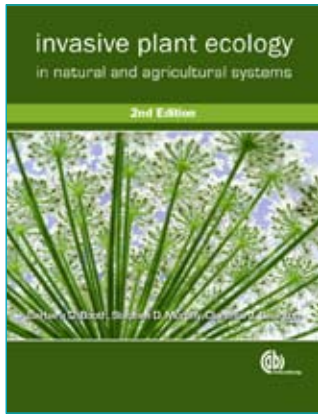
Plant Cold Hardiness: From the Laboratory to the Field

Edited by **L V Gusta**, University of Saskatchewan, Canada, **M E Wisniewski**, USA Department of Agriculture, Agriculture Research Service (USDA-ARS) and **K K Tanino**, University of Saskatchewan, Canada

Presenting the latest research on the effects of cold and sub-zero temperatures on plant distribution, growth and yield, this comprehensive volume contains 28 chapters by international experts, covering topics from basic molecular science to broad ecological studies on the impact of global warming, and an industry perspective on transgenic approaches to abiotic stress tolerance. With a focus on integrating molecular studies in the laboratory with field research and physiological studies of whole plants in their natural environments, this book covers plant physiology, production, development, agronomy, ecology, breeding and genetics, and their applications in agriculture and horticulture.

July 2009 / 336 pages / **HB / 978 1 84593 513 9**

£85 / US\$170 / €130



Invasive Plant Ecology in Natural and Agricultural Systems, 2nd edition

B D Booth, University of Guelph, Canada, **S D Murphy**, University of Waterloo, Canada and **C J Swanton**, University of Guelph, Canada

Bringing together reasons for why and where weeds occur and the ecological importance of weed management, this updated edition provides an in-depth study of plant ecology, with greater coverage of invasive plant biology and further statistics on invasive plant ecology. In a new, larger format, printed in two colours, and illustrated throughout with figures, tables and case studies, this is an essential text for students in plant ecology, agriculture and horticulture.

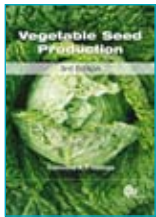
Praise for the first edition

'As an undergraduate text [the book] does a superb job of traversing the wide expanse of ecology... several chapters should be key components of any course on understanding weed ecology.' – *Biological Invasions*

'The information is provided in short chapters, which are very well written, have their own comprehensive reference lists, and contain many excellent examples from around the world. The book will be an extremely valuable textbook for undergraduate and graduate students studying weed science and agriculture' – *Biological Agriculture and Horticulture*

March 2010 / c.288 pages / **PB / 978 1 84593 605 1**

£35 / US\$70 / €50



Vegetable Seed Production, 3rd edition

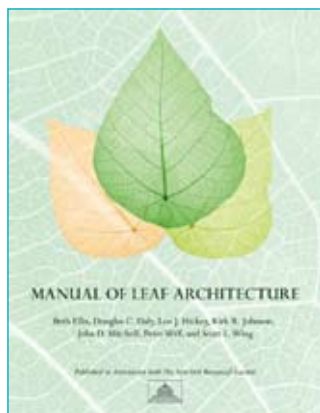
R A George, Seed Technology Consultant, FAO

Providing broad expert coverage of the horticultural production of vegetables grown from seed, this new edition also explores the production of genetically modified crops, organic seed production, honey bee population and packaging.

Further updates from the last edition include full revisions throughout the text, summary boxes for quick reference, further reading sections and fully updated references, making this an essential read for horticulturalists, researchers, seed scientists, vegetable producers, students, technicians and practitioners in vegetable seed production.

September 2009 / 320 pages / **HB / 978 1 84593 521 4**

£65 / US\$130 / €100



Manual of Leaf Architecture

B Ellis, Denver Museum of Nature and Science, USA, **D C Daly**, New York Botanical Gardens, USA, **L J Hickey**, Yale University, USA, **K R Johnson**, Denver Museum of Nature and Science, USA, **J D Mitchell**, New York Botanical Gardens, USA, **P Wilf**, Pennsylvania State University, USA and **S L Wing**, Smithsonian Museum of Natural History, USA

This is an essential reference for describing, measuring and classifying the foliage of flowering plants. The system presented provides long-needed guidelines for characterizing the organization, shape, venation and surface features of angiosperm leaves. In contrast to systems focusing on reproductive characters for identification, the emphasis is on macroscopic features of the leaf blade,

including leaf characters, venation and tooth characters. The advantage of this system is that it allows for the classification of plants independently of their flowers, which is especially useful for fossil leaves (usually found in isolation) and tropical plants (whose flowering cycles are brief and irregular, and whose fruits and flowers may be difficult to access). An illustrated terminology including detailed definitions and annotated illustrations is the focus of the classification system, the aim of which is to provide a framework with comparative examples to allow both modern and fossil leaves to be described and classified consistently.

This manual is published in association with the New York Botanical Garden.

July 2009 / 220 pages / **HB** / **978 1 84593 584 9**

£35 / €55

July 2009 / 220 pages / **PB** / **978 1 84593 585 6**

£17.95 / €27.95

To buy this book in North America, please contact Cornell University Press

Related titles

Environmental Impact of Genetically Modified Crops

Edited by **N Ferry** and **A Gatehouse**, University of Newcastle, UK

February 2009 / 432 pages / **HB** / **978 1 84593 409 5**

£95 / US\$190 / €145

RNA Interference: Methods for Plants and Animals

Principles and Protocols Series

Edited by **T Doran**, CSIRO Livestock Industries, Australia and **C Helliwell**, CSIRO Plant Industry, Australia

December 2008 / 272 pages / **PB** / **978 1 84593 410 1**

£39.95 / US\$80 / €65

To buy this book in Australia or New Zealand, please contact CSIRO Publishing

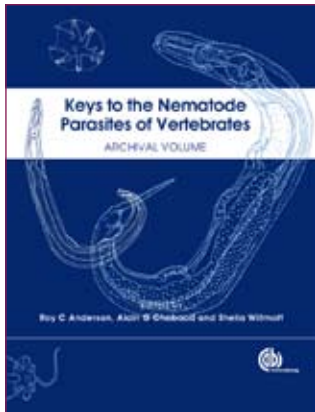
Plant Genotyping: SNP Technology

Edited by **R J Henry**, Southern Cross University, Australia

April 2008 / 304 pages / **HB** / **978 1 84593 382 1**

£65 / US\$130 / €105

To buy this book in Australia or New Zealand, please contact CSIRO Publishing



Keys to the Nematode Parasites of Vertebrates: Archival Volume

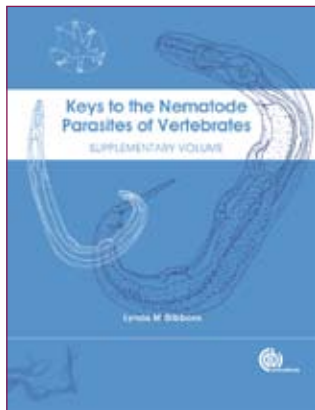
Edited by **R C Anderson**, formerly of the University of Guelph, Canada, **A G Chabaud**, formerly of the Museum National d'Histoire Naturelle, France and **S Willmott**, formerly of The Commonwealth Institute of Helminthology, UK

This volume is a republication in one volume of the 10 part *CIH Keys to the Nematode Parasites of Vertebrates*, first published between 1974 and 1983. For many years the Keys have provided a working tool for those within the field and laboratory needing to know 'What is this worm?' Now, due to popular demand and to coincide with the long awaited publication of the supplementary volume, the Keys are presented as one volume, refreshed and reformatted with the additional convenience of reordering

into superfamily. As an indispensable guide, the Keys will continue to be an essential resource for those working within medical, veterinary and biological departments worldwide for many years to come.

August 2009 / c.480 pages / **HB** / **978 1 84593 572 6**

£95 / US\$190 / €145



Keys to the Nematode Parasites of Vertebrates: Supplementary Volume

L M Gibbons, The Royal Veterinary College, UK

This supplementary volume is designed to complement the original CIH Keys, now reprinted as one volume, with the additional convenience of reordering into superfamily. The supplement includes revised and redescribed taxa and draws attention to new taxa, to generic level, published by many authors after the original Keys were complete. It also identifies the current position of some of the older genera not included in the original Keys.

'These Keys are unique and absolutely essential to anybody engaged in diagnostic or research work involving nematodes.' Professor Ian Beveridge, The University of Melbourne, Australia.

December 2009 / c.336 pages / **HB** / **978 1 84593 571 9**

£90 / US\$180 / €135

Special offer: Buy both volumes together for **£155 / US\$310 / €235**

ISBN for this set: **978 1 84593 573 3**



Advances in Mycorrhizal Science and Technology

Edited by **D P Khosa** and **Y Piché**, Université Laval, Canada and **A P Coughlin**, Quebec Project Manager for Bird Studies, Canada

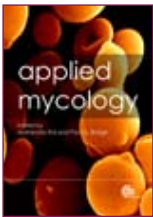
Mycorrhizal symbioses are widespread and fundamental components of terrestrial ecosystems that have shaped plant evolution. Research in this field is rapidly evolving, and recent findings have done much to improve our understanding of how these complex plant/fungal associations function.

Providing either in-depth reviews or the results of previously unpublished scientific studies, the topics covered are of global interest and include plant/fungal communication, the interaction of mycorrhizal fungi with other soil microorganisms, the use of mycorrhizal fungi in plant-production systems, and the commercial harvesting of edible mycorrhizal forest mushrooms.

To buy this book in Canada, please contact NRC Research Press.

September 2009 / c.211 pages / **HB / 978 1 84593 586 3**

£60 / US\$89.95 / €90



Applied Mycology

Edited by **M Rai**, SGB Amaravati University, India and **P D Bridge**, British Antarctic Survey, UK

This work brings together a range of contributions highlighting the diverse nature of current research in mycology. Chapters include discussions of fungal associations in the environment, agriculture and forestry, long established and novel applications of fungi in fermentation, the use of fungi in the pharmaceutical industry, the growing recognition of fungal infections,

current interest in the use of fungal enzymes in biotechnology, and the new and emerging field of myconanotechnology.

August 2009 / c.336 pages / **HB / 978 1 84593 534 4**

£85 / US\$170 / €135



Management of Fungal Plant Pathogens

Edited by **A O Arya**, The Maharaja Sayajirao University of Baroda, India and **A E Perelló**, Universidad Nacional de La Plata, Argentina

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promote sustainable agriculture is increasingly important.

Management of Fungal Plant Pathogens presents a review of research into pathogenic fungi in a diverse selection of economically important crops, including fruits and cereals. The establishment and management of fungal plant disease using conventional and ecofriendly methods is discussed, with an emphasis on the use of microorganisms and biotechnology. Chapters also examine the role of microbes in growth promotion, as bioprotectors and bioremediators, and present practical strategies for using microbes as well as botanicals in sustainable agriculture.

January 2010 / c.416 pages / **HB / 978 1 84593 603 7**

£95 / US\$190 / €135



***Helicobacter pylori* in the 21st Century**

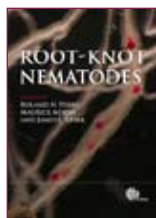
Advances in Molecular and Cellular Microbiology Series

Edited by **P Sutton**, The University of Melbourne, Australia and
H Mitchell, University of New South Wales, Australia

Helicobacter pylori is a globally significant pathogen that infects half the population of the world. Its recognition enabled the development of new therapeutic and preventative strategies for serious health conditions such as gastric cancer, of which it is the major causative agent. Providing a broad overview of the current understanding of this pathogen and emphasising its world health impacts, this book explores a range of topics including virulence factors, vaccine development and obstacles, epidemiology, antibiotic resistance and the role of Nod receptors, with a foreword by Barry Marshall, the Nobel Laureate and co-discoverer of *H. pylori*.

March 2010 / c.336 pages / **HB / 978 1 84593 594 8**

£85 / US\$170 / €120



Root-knot Nematodes

Edited by **R N Perry**, Rothamsted Research, UK, **M Moens**, Institute for Agricultural and Fisheries Research, Belgium and **J L Starr**, Texas A&M University, USA

Root-knot nematodes are the most economically important group of plant-parasitic nematodes worldwide, and their control presents a major global challenge. Advances are being made in understanding their biology, host-parasite interaction and management strategies, and this comprehensive guide, with many colour photographs and contributions from international experts, covers the taxonomy, classification, morphology, life-cycle biology, genomes, resistance, sampling and detection of these pests, along with management strategies, providing an essential reference for researchers, students and lecturers in plant nematology, plant pathology, agriculture and agronomy.

October 2009 / c.544 pages / **HB / 978 1 84593 492 7**

£99.50 / US\$199 / €149.50

Related titles

Dictionary of the Fungi, 10th edition

Edited by **P M Kirk**, **P F Cannon** and **D W Minter**, CABI, UK and **J A Stalpers**, CBS, The Netherlands

September 2008 / 784 pages / **HB / 978 0 85199 826 8**

£70 / US\$140 / €110

To buy this book in Australia or New Zealand, please contact CSIRO Publishing

Keys to the Trematoda, Vol 3

Edited by **R A Bray**, **D I Gibson** and **A Jones**, Natural History Museum, UK

October 2008 / 848 pages / **HB / 978 0 85199 588 5**

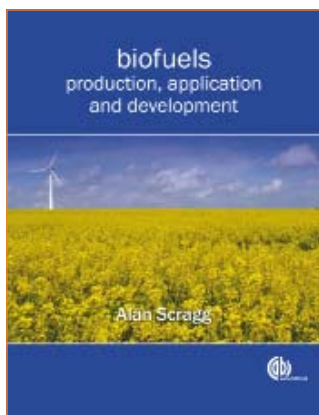
£165 / US\$330 / €265

Nematodes as Environmental Indicators

Edited by **M Wilson**, University of Aberdeen, UK and **T Khakouli-Duarte**, Institute of Technology Carlow, Ireland

June 2009 / 338 pages / **HB / 978 1 84593 385 2**

£85 / US\$170 / €130



Biofuels: Production, Application and Development

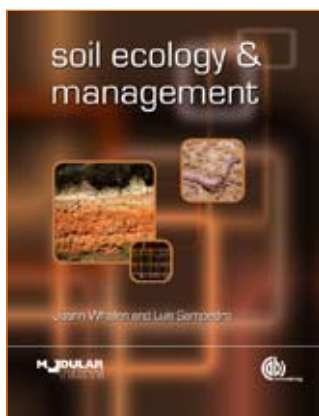
A Scragg, University of the West of England, UK

Meeting the demands of the world's growing population for energy is a major challenge for science, business and society alike. Energy can be generated from many sources, but not all sources are suitable for every application. Much of today's technology has been built on solid, liquid and gaseous fuels derived from fossil sources. However, the supply of these is finite and their combustion produces carbon dioxide, one of the gases responsible for global warming. Therefore, alternative sources of energy are required which are renewable, sustainable and carbon-neutral. This textbook explores the production of biofuels as alternatives to fossil fuels, focusing on the technological

issues that need to be addressed for any new fuel source. Each type of biofuel currently in production is considered in detail, covering the benefits, problems with production and use, and the potential for biological material to provide sufficient energy for the world's population – the principles on which future fuel development is based.

September 2009 / 256 pages / PB / 978 1 84593 592 4

£39.95 / US\$79.95 / €59.95



Soil Ecology and Management

Modular Texts Series

J K Whalen, McGill University, Canada and **L Sampedro**, Centro de Investigaci3n Forestais e Ambientais de Louriz3n, Spain

Soil ecology is the study of interactions between the physiochemical components of the soil and organisms living within the soil. Humans are highly dependent upon the soil ecosystem, which provides food, fibre, fuel and ecological services such as the recycling of atmospheric gases. It is therefore important to understand the function and nature of the soil ecosystem in order to predict and mitigate the long term consequences of present day actions.

Soil Ecology and Management describes the organisms inhabiting the soil, their functions and interactions, and the dimensions of human impact on the activity of soil organisms and soil ecological function. Chapters discuss basic soil characteristics and biogeochemical cycling, key soil flora and fauna, community-level dynamics (soil food webs) and the ecological and pedological functions of soil organisms. Unlike other soil biology and ecology textbooks, this book conveys a better understanding of how human activities impact upon soil ecology, in a section on ecosystem management and its effects on soil biota.

December 2009 / c.304 pages / PB / 978 1 84593 563 4

£37.50 / US\$75 / €55



Biosolids Recycling: Effects on Human Health and the Environment

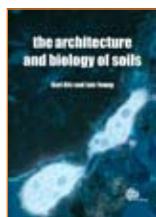
S R Smith, Imperial College London, UK

Recycling sewage sludge (biosolids) is an important environmental management strategy that provides a valuable agricultural resource. Expanding upon the successful *Agricultural Recycling of Sewage Sludge and the Environment*, this book explores the major developments in biosolid production, management and recycling, including new environmental measures and regulations.

Beginning with discussions of sludge production and treatment processes, chapters go on to consider the contents and regulation of major contaminants in sludge, specifically pathogens, metals and organics. The health and environmental effects of these contaminants are considered in detail and a semi-quantitative risk assessment is also presented.

March 2010 / c.200 pages / **HB / 978 1 84593 544 3**

£75 / US\$150 / €115



The Architecture and Biology of Soils

K Ritz, Cranfield University, UK and **R M Young**, University of Abertay, Dundee, UK

Soil is a fundamental and critical, yet often overlooked, component of terrestrial ecosystems. It is an extremely complex environment, supporting levels of diversity far greater than any ecosystem above ground. This book explores how soil structure develops and the consequences this has for life underground. The effects of spatial arrangement of soil's physical and

biological components on their interaction and function are used to demonstrate their roles in ecosystem dynamics. Bringing together existing knowledge in the areas of soil biology and physics, this book explores the key characteristic of soil spatial architecture.

March 2010 / c.250 pages / **HB / 978 1 84593 532 0**

£75 / US\$150 / €115

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Tropical Deltas and Coastal Zones: Community, Environment and Food Production at the Land-Water Interface

Comprehensive Assessment of Water Management in Agriculture Series: No 9

Edited by **C T Hoanh**, IWMI-SEA, Laos, **B Szuster**, University of Hawaii, USA, **K S Pheng**, The WorldFish Center, Malaysia, **A Noble**, IWMI-SEA, Laos and **A Ismail**, International Rice Research Institute, Philippines

Historically, land and water management within many coastal deltas has focused on the exclusion of saline water flows that move upstream from the coast. However, this approach fails to recognize the diversity of rural livelihoods and ecosystems in coastal deltaic areas, the environmental consequences of altering natural saline water flows, and the emergence of new activities such as shrimp farming that require brackish water. Focusing on the developing countries of Asia, Africa and South America, the book explores the diverse livelihoods of people in these areas, the impact of land-water management on environments, new techniques and methodologies, and lessons learned in land and water management, to solve the conflicts between agriculture, aquaculture and fisheries.

March 2010 / c.448 pages / **HB / 978 1 84593 618 1**

£95 / US\$190 / €135



River Basin Trajectories: Societies, Environments and Development

Comprehensive Assessment of Water Management in Agriculture Series: No 8

Edited by **F Molle**, Centre IRD, France and **P Wester**, Wageningen University, The Netherlands

Using a variety of case studies, this book provides an overview of how societies have gradually developed their water resources, and furthers our understanding of how such resources can be managed successfully or unsuccessfully. Discussing how and why particular options are selected, and why a particular course of events eventually prevails, the book stresses the importance of context and a multidisciplinary approach in moving towards sustainable and equitable development.

August 2009 / c.384 pages / **HB / 978 1 84593 538 2**

£85 / US\$170 / €130



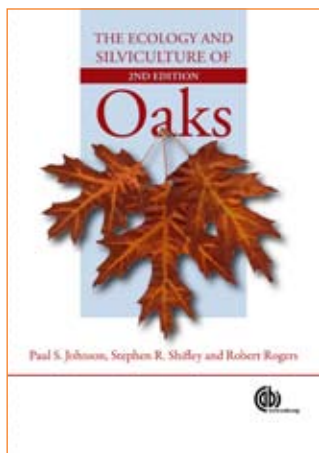
Irrigation Management: Principles and Practices

M A Burton, Independent Management Consultant, UK

There is growing pressure worldwide on available water resources, requiring irrigated agriculture to increase its efficiency of water use and productivity, and changes in the management, operation and maintenance of irrigation and drainage systems. Drawing on the author's 30 years of experience in almost 30 countries, this book provides knowledge for the management of these systems, including traditional technical areas of system operation and maintenance and expanding managerial, institutional and organizational aspects related to the changing political, social and economic environment.

March 2010 / c.400 pages / **HB / 978 1 84593 516 0**

£85 / US\$170 / €120



The Ecology and Silviculture of Oaks, 2nd Edition

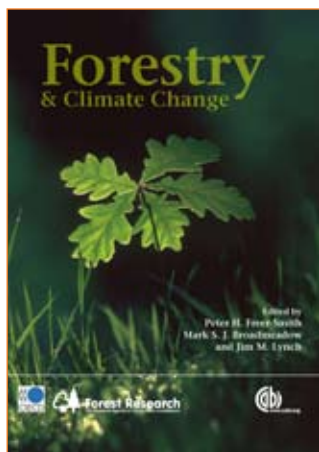
P S Johnson and **S R Shifley**, US Forest Service and **R Rogers**, formerly of The University of Wisconsin, USA

The management of oak forests is essential to the ecosystems of many countries, and current trends in managing forests are based on sustaining desirable ecosystems, rather than timber and other commodity outputs. By considering oak forests as responsive ecosystems, this new edition draws on the authors' extensive experience in order to examine topics essential to understanding the unique characteristics of oaks and oak forests. The chapters cover distribution, ecology and population dynamics, and silvicultural practices for multi-resource management, such as creating and sustaining oak savannas, and increasing and measuring acorn production. With new information on carbon sequestration,

biofuel production, impacts of climate change, and sudden oak death – caused by a serious and newly discovered pathogen – the book is essential reading for ecologists, silviculturists, environmentalists, wildlife managers and students.

September 2009 / c.600 pages / HB / 978 1 84593 474 3

£99 / US\$199 / €149



Now in paperback

Forestry and Climate Change

Edited by **P H Freer-Smith**, **M S J Broadmeadow** and **J M Lynch**, all Forest Research, UK

Climate change is one of the greatest challenges we face – both in terms of its potential impact on our societies and the earth, and the scale of international co-operation that is needed to confront it. Emerging as a component of the international dialogue on the environment and climate, the role of forests in influencing earth systems will need to be assessed. Drawing together perspectives from researchers and policy makers, this book explores how forests will interact with the physical and natural world and with human society as the climate changes. Also considered is how the world's forests can be managed to contribute to the mitigation of climate change and to maximize the full range

of economic and non-market benefits. Providing an examination of the science, a detailed consideration of the science-policy interface and international frameworks and conventions, this book is valuable reading for all those interested in sustainable forest management, climate change and the associated environmental sciences.

October 2009 / 272 pages / PB / 978 1 84593 596 2

£35 / US\$70 / €50

October 2007 / 272 pages / HB / 978 1 84593 294 7

£70 / US\$140 / €110



Planted Forests: Uses, Impacts and Sustainability

Edited by **J Evans**, formerly Imperial College London, UK

Planted forests – although only seven per cent of the world's forest resources – have superseded naturally regenerating forests as the principal source of industrial wood products. Lessening the pressure on natural forests for wood production, tree planting has released natural forests to be managed for other purposes: carbon sinks, soil and water protection, conservation of biological diversity, recreation and amenity. Representing

a complement but not an alternative to natural forests, planted forests have become increasingly important for reducing worldwide deforestation, loss of forest ecosystems and forest degradation. Examining the significance of this rapidly emerging world resource, chapters consider the strengths and weaknesses of planted forests, management objectives for their use, and aspects of ownership and policy. Data from key production countries are used to evaluate the implications and sustainability of planted forests as a source of forest products, as well as social and ecological issues.

September 2009 / c.224 pages / **HB / 978 1 84593 564 1**

£75 / US\$150 / €115

This book is co-published with the FAO

Related titles

Ecohydrology: Processes, Models and Case Studies

Edited by **D Harper**, University of Leicester, UK, **M Zalewski**, University of Łódź, Poland and **N Pacini**, University of Calabria, Italy

November 2008 / c.400 pages / **HB / 978 1 84593 002 8**

£75 / US\$150 / €120

The Ecological World View

C Krebs, University British Columbia, Canada

January 2008 / 558 pages / **PB / 978 1 84593 376 0**

£35 / US\$70 / €56

To buy this book in Australia or New Zealand, please contact CSIRO Publishing.

To buy this book in North America, please contact Cornell University Press.

Introductory Probability and Statistics: Applications for Forestry and Natural Sciences

A Kozak and **R Kozak**, The University of British Columbia, Canada, **C Staudhammer**, The University of Florida, USA and **S Watts**, The University of British Columbia, Canada

June 2008 / 448 pages / **HB / 978 1 84593 275 6**

£49.95 / US\$100 / €80

Forest Genetics

T L White, University of Florida, USA, **W T Adams**, Oregon State University, USA and

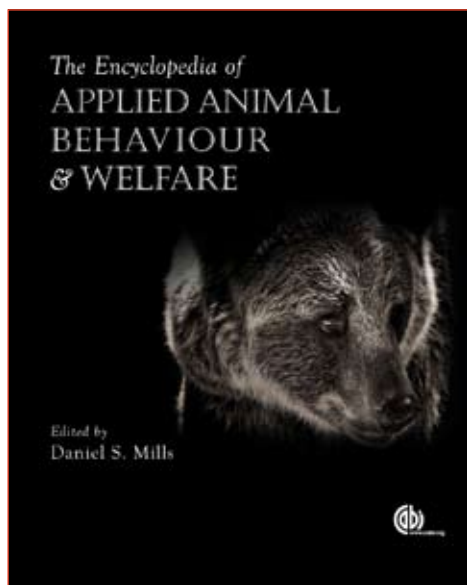
D B Neale, University of California, USA

July 2007 / 704 pages / **HB / 978 1 84593 285 5**

£100 / US\$200 / €160

July 2007 / 704 pages / **PB / 978 0 85199 348 5**

£50 / US\$100 / €80



The Encyclopedia of Applied Animal Behaviour and Welfare

Edited by **D S Mills**, University of Lincoln, UK

Pre-publication price: **£155 / US\$310 / €235**

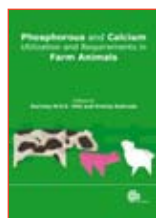
The practical focus of this authoritative, comprehensive encyclopedia aims to promote the understanding and improvement of animals' behaviour without compromising welfare. Under the editorial direction of Professor Daniel Mills, the UK's first specialist in veterinary behavioural medicine, over 100 international experts have contributed a wealth of fully cross-referenced entries, from concise definitions to detailed short essays on biological, practical, clinical and ethical aspects of behaviour and welfare in domestic, exotic, companion and zoo animals.

Key features

- Over 900 cross-referenced entries, arranged alphabetically
- Covers practical behaviour and welfare in domestic, exotic, companion, laboratory, zoo and wild animals
- Many references and lists for further reading
- Illustrated with photographs and diagrams throughout
- Editorial team of seven expert subject editors and over 150 contributing authors from all areas of veterinary science

December 2009 / c.750 pages / **HB / 978 0 85199 724 7**

Price on publication will be: **£195 / US\$390 / €275**



Phosphorous and Calcium Utilization and Requirements in Farm Animals

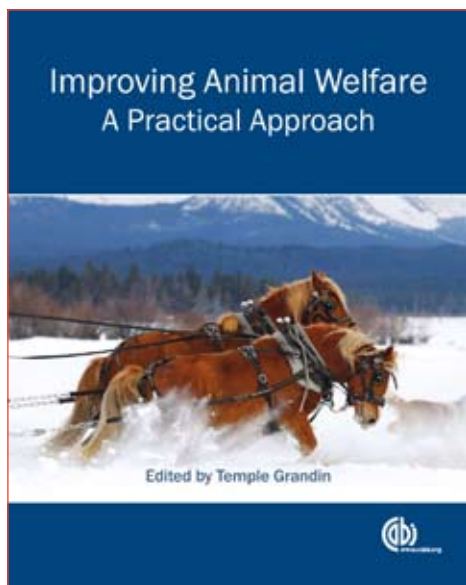
Edited by **D M S S Vitti**, Centro de Energia Nuclear na Agricultura, Brazil and **E Kebreab**, University of California, Davis, USA

Mineral nutrition of livestock is an area of significant importance due to its contribution to farm animal economics and health. With a focus on macromineral utilization in farm animals, this book brings together quantitative aspects of phosphorus and calcium metabolism in farm animals

in chapters written by leading researchers worldwide. It covers the isotope dilution technique, phosphorus and calcium utilization in ruminants (sheep, goats and cattle) and non-ruminants (swine, horses), and recommended values of phosphorus and calcium in feed.

March 2010 / c.208 pages / **HB / 978 1 84593 626 6**

£75 / US\$150 / €105



Improving Animal Welfare: A Practical Approach

Edited by **T Grandin**, Colorado State University, USA

New legislation on animal welfare standards has created the need for welfare programmes to be implemented on farms, during transportation, and in slaughter plants. While there is a wealth of information on animal behaviour, ethics and factors affecting welfare, there is little to guide veterinarians and managers in evaluating animal welfare and improving it. This textbook aims to help those working with animals to apply practical methods for improving welfare, bridging the gap between scientific research and practical application. Drawing on the editor's extensive experience in teaching and auditing, and contributions from international experts, this book provides a

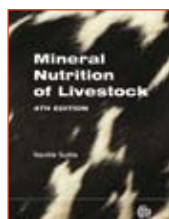
guide to practical evaluation and auditing of welfare problems, emphasizing the importance of measuring conditions that compromise welfare.

Key features

- Edited by a leading authority on the subject, with contributions from industry experts
- Provides a strongly practical review of the topic and how to apply research where it makes a difference
- Ideal guide for veterinarians and veterinary students, welfare auditing, officer training, and for students in animal sciences

December 2009 / c.336 pages / **PB** / 978 1 84593 541 2

£39.95 / US\$79.95 / €55.95



Mineral Nutrition of Livestock, 4th Edition

N Suttle, Honorary Research Fellow, Moredun Foundation, UK

The fourth edition of this important book covers the advances in livestock mineral nutrition, updated with more illustrations and additional material on the interrelationships between livestock and man. Recent developments are discussed, such as the real value of increasing the nutritive value of feed by the use of additives, enhancing the mineral availability of organic supplements in trace elements and the concept of the 'mineral footprint'

of livestock. Potential problems caused by methods of mineral feeding aiming to lower environmental pollution, such as health implications for humans, are also explained.

December 2009 / c.554 pages / **HB** / 978 1 84593 472 9

£95 / US\$190 / €135



Fish Diseases and Disorders, Vol 2, 2nd edition: Non-infectious disorders

Edited by **J F Leatherland** and **P T K Woo**,
University of Guelph, Canada

Written by leading authorities in the field, this new edition of Volume 2 in the successful *Fish Diseases and Disorders* trilogy has been thoroughly updated with new research and contributions. Focusing largely on finfish, it covers non-infectious disorders of development, growth and physiology of wild and captive species, including genetic conditions, respiratory disorders, stress physiology, environmental factors and a new contribution on the relationship between welfare issues and disorders associated with intensive fish culture. The book is indispensable for zoologists, fish health specialists and veterinarians, researchers and students, and those involved with fisheries and aquaculture.

March 2010 / c.400 pages / **HB** / **978 1 84593 553 5**

£85 / US\$170 / €130

Coming soon...

Fish Diseases and Disorders, Vol 3, 2nd edition: Viral, Bacterial and Fungal Infections

Edited by **P T K Woo**, University of Guelph, Canada and **D W Bruno**, Fisheries Research Services, UK

April 2010 / c.1000 pages / **HB** / **978 1 84593 554 2**

£165 / US\$330 / €250

Also available

Fish Diseases and Disorders, Vol 1, 2nd edition: Protozoan and Metazoan Infections

Edited by **P T K Woo**, University of Guelph, Canada

June 2006 / 800 pages / **HB** / **978 0 85199 015 6**

£135 / US\$270 / €215

Buy all three volumes of *Fish Diseases and Disorders, 2nd edition*, for the special combined price of **£310 / US\$620 / €465**. ISBN for complete series is: 978 1 84593 580 1



The Quest for Sustainable International Fisheries

E Meltzer, Department of Fisheries and Oceans, Canada

The United Nations Fish Stocks Agreement (UNFSA) represents a major international effort to improve fisheries' governance, resource recovery and sustainable development of international fisheries. This book explains the international legal framework, summarizes the state of the fisheries, and outlines the efforts of regional fishery management organizations (RFMOs) to adopt and implement key elements of UNFSA: the precautionary

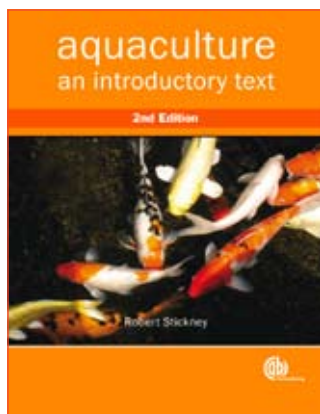
approach, the ecosystem approach, decision making, and enforcement.

September 2009 / c.500 pages / **HB** / **978 1 84593 583 2**

£95 / US\$160 / €145

To buy this book in Canada, contact the NRC Research Press.

To buy this book in Australia and New Zealand, contact CSIRO Publishing.



Aquaculture, 2nd edition: an Introductory Text

R R Stickney, Texas A&M University, USA

Providing a broad and readable overview of the subject, this updated second edition of *Aquaculture: an Introductory Text* covers issues associated with sustainable aquaculture development, culture systems, hatchery methods, nutrition and feeding of aquaculture species, reproductive strategies, harvesting, and many other topics. While its main focus is on the culture of fish, molluscs and crustaceans for food, the book also covers other forms of aquaculture such as the production of seaweeds, recreational fish and ornamental species, and live foods such as algae and rotifers that are used to feed larval shrimp and marine fish. Printed in a new, larger format and illustrated with many photographs and diagrams, this is an essential resource for undergraduate

students of aquaculture and related topics. The scope is global, and much of the information is based on the first-hand experiences of the author.

July 2009 / 320 pages / **PB** / **978 1 84593 543 6**

£39.95 / US\$79.95 / €59.95

July 2009 / 320 pages / **HB** / **978 1 84593 589 4**

£65 / US\$130 / €100



Finfish Aquaculture Diversification

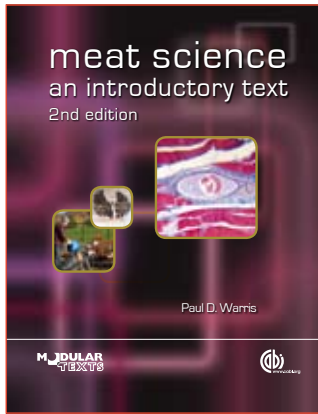
Edited by **N R Le François**, Biodôme de Montréal, Canada, **M Jobling**, Norwegian College of Fishery Science, Norway, **C Carter**, University of Tasmania, Australia and **P Blier**, Université du Québec à Rimouski, Canada


There is considerable global interest in the culture of finfish species both for cold and warm water aquaculture development and growth. Essential information on the biology, domestication and aquacultural characteristics of a wide selection of novel and established species is provided in the form of technical sheets,

species descriptions and information on current rearing practices, making this a must-have reference in the field of aquacultural science. The book also offers a basic framework in order to support investment strategies for research and development efforts aimed at the emergence of a profitable finfish aquaculture industry, and presents a rationale for species diversification, different approaches to species selection, and basic economical and market considerations governing the launch of strategic development and commercialization efforts.

December 2009 / c.640 pages / **HB** / **978 1 84593 494 1**

£135 / US\$270 / €205



Meat Science, 2nd edition: 
an Introductory Text
Modular Texts Series

P D Warriss, formerly University of Bristol, UK

Outlining the core principles of the subject, this introductory-level textbook covers the production of meat, its structure and chemical composition, meat quality and hygiene, and animal welfare, handling and slaughter.

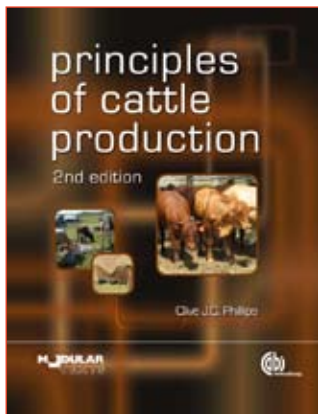
The new edition has been updated to cover significant advances such as the process of conditioning, leading to the tenderization of meat, and new coverage of the use of molecular genetic techniques that aim to select animals for improved meat quality.

Praise for the first edition

'*Meat Science: an Introductory Text* is a much-needed work. I am sure it will become the standard text for meat science, appealing to not only the students, but also the qualified professional.' – Peter McNally, Harper Adams University, *International Journal of Food Science and Technology*

October 2009 / c.272 pages / **PB / 978 1 84593 593 1**

£35 / US\$70 / €55



Principles of Cattle Production, 2nd edition 
Modular Texts Series

C J C Phillips, University of Queensland, Australia

This introductory-level textbook covers the welfare and environmental implications of producing cattle, as well as traditional subjects such as nutrition, reproduction and housing. Its broad international coverage includes feedlot systems, transport, subsistence farming systems and the contribution of cattle production systems to land, air and water pollution.

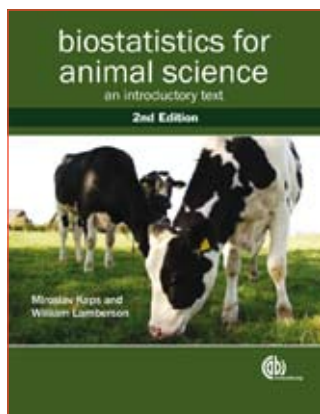
It is an invaluable resource for undergraduate students of animal science, veterinary medicine and agriculture, as well as diploma and certificate courses and industry personnel.

Praise for the first edition

'It emphasizes relevant aspects of disease, environment, animal welfare and veterinary medicine that deserve full consideration in today's climate of opinion.' – *Journal of Animal Breeding and Genetics*

November 2009 / c.256 pages / **PB / 978 1 84593 397 5**

£35 / US\$70 / €50



Biostatistics for Animal Science

M Kaps, University of Zagreb, Croatia and
W R Lamberson, University of Missouri, USA

Designed to cover techniques for analysis of data in the animal sciences, this textbook provides a complete source of information for students and researchers.

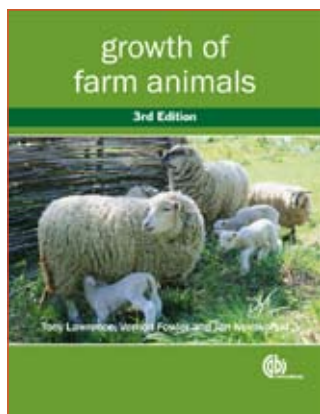
The first part of the book provides an overview of the basic principles of statistics so the reader will be able to follow subsequent applications with familiarity and understanding, and without having to switch to another book of introductory statistics.

The second half covers more complex applications and detailed procedures for analysing designs commonly used in research in animal sciences.

Each chapter begins by introducing a problem with practical questions, followed by a brief theoretical background, and is supplemented with an abundance of examples in SAS from animal sciences and related fields.

August 2009 / 528 pages / **PB** / **978 1 84593 540 5**

£39.95 / US\$79.95 / €59.95



Growth of Farm Animals, 3rd edition

T L J Lawrence, formerly University of Liverpool, UK,
V R Fowler, formerly Scottish Agricultural College and
Rowett Research Institute, UK and **J E Novakofski**,
University of Illinois, USA

An understanding of the processes that change the shape and composition of farm animals is fundamental to all aspects of production. Updated to include new chapters on avian growth and global warming, and citing new research throughout, this comprehensive textbook provides key information on how animals grow and change in shape and composition, and the factors that affect these processes.

Presented in a larger format with new photographs and focus boxes, this third edition continues to explain how the basics of growth must be thoroughly understood if farm

animals are to be used efficiently and humanely in producing food for mankind.

March 2010 / c.384 pages / **PB** / **978 1 84593 558 0**

£37.50 / US\$75 / €60



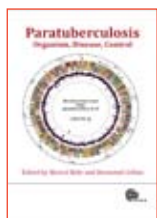
Mastitis Control in Dairy Herds, 2nd edition

R Blowey, Wood Veterinary Group, UK and
P Edmondson, Shepton Veterinary Group, UK

Mastitis in dairy herds is a worldwide problem with significant implications for milk yields and quality, economic losses and animal health and welfare – effective control makes a considerable difference to the farmer and the animal. This new edition includes updated information throughout as well as new chapters covering organic dairy herds, dry period infections, robotic milking, residue avoidance, and best practice procedures. The authors, both fellows of the Royal College of Veterinary Surgeons and recognised experts in the field, provide basic principles relevant to farmers, veterinarians and veterinary students in a clear and practical way, covering anatomy, epidemiology, milking machines, disinfection, somatic cell counts, and diseases of the udders and teats in order to provide a thorough understanding of the causes of mastitis and measures of control and prevention. It is an indispensable resource for large-animal veterinarians, dairy industry personnel, farm managers, dairy herdsmen, and researchers and students in animal sciences and related disciplines.

January 2010 / c.256 pages / HB / 978 1 84593 550 4

£39.95 / US\$79.95 / €55.95



Paratuberculosis: Organism, Disease, Control

Edited by **M A Behr**, McGill University, Canada and **D M Collins**,
AgResearch, New Zealand

Paratuberculosis, also referred to as Johne's disease, affects cattle, goats, sheep, buffalo, deer and other ruminants. It is common worldwide and responsible for significant economic losses in the dairy industry. Recent advances in detection, vaccination and microbial genetics make this a timely book that examines the epidemiology of paratuberculosis, the organism that causes the disease, and practical aspects of its diagnosis and control. It also addresses the link between paratuberculosis in the food chain and human health implications, including Crohn's disease. This authoritative text is an essential resource for large-animal veterinarians, livestock industry personnel and those involved in the dairy and meat industries, as well as microbiologists, researchers and students in these fields.

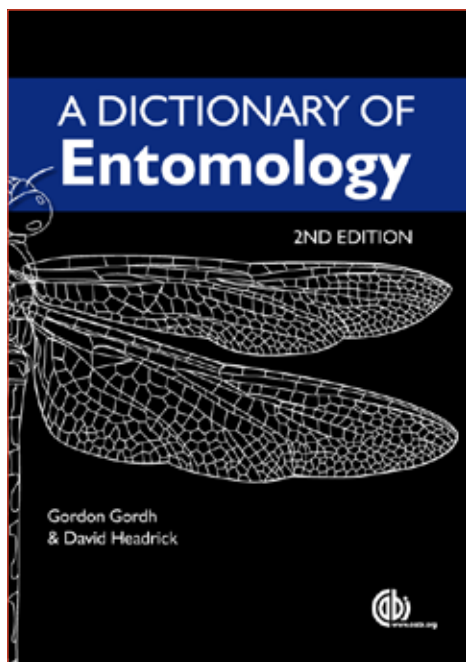
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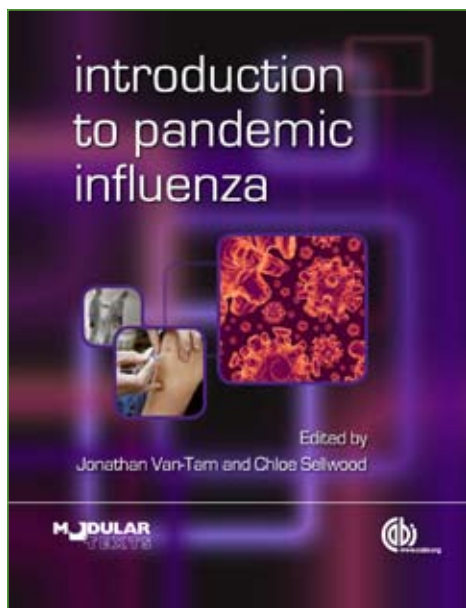
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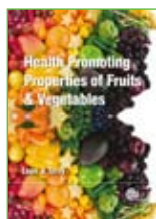
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Edited by **B Sylvander**, INRA-SAD-Unite, SICOMORE, France and **E Barham**, University of Missouri, USA

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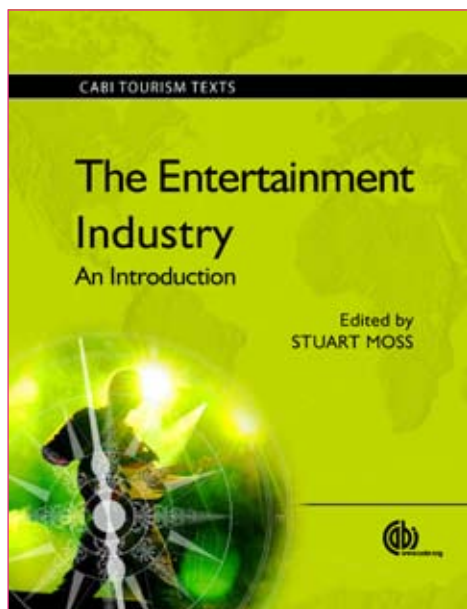
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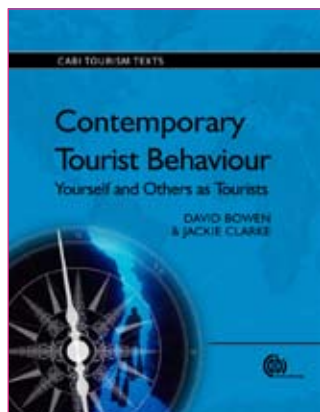
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Edited by **S Moss**, Leeds Metropolitan University, UK

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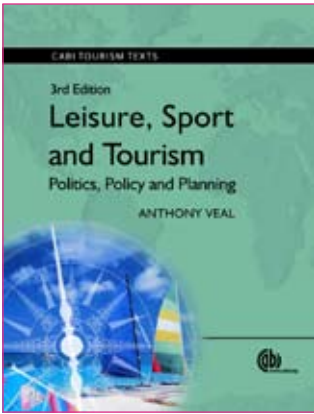
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D Bowen and **J Clarke**, Oxford Brookes University, UK

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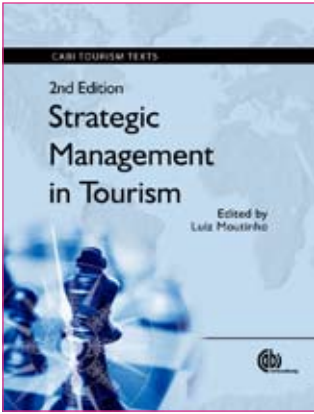
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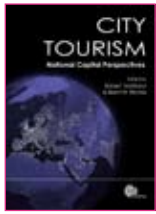
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City Tourism: National Capital Perspectives

Edited by **R Maitland**, University of Westminster, UK and **B W Ritchie**, University of Queensland, Australia

City tourism has grown rapidly and has spread well beyond tourist-historic cities and resorts. Most cities now aspire to be tourism destinations, and tourism has become a priority for developers and policy makers. National capitals are particularly important since as well as being destinations in their own right, they also act as gateways to their countries, present the nations to the rest of the world and play a vital role in establishing national image and identity. Despite this, national capital tourism, like city tourism more generally, has suffered from a lack of research and analysis, limiting our understanding of how the qualities of these cities interact with changing tourism demands. With a focus on city tourism themes, this book draws on original research to investigate tourism in national capitals in detail, considering image and branding, the visitor experience, visitor markets and tourism development. The book takes a broad international approach and provides detailed case studies of many different types of national capital – ranging from global capitals like London and re-emerging capitals such as Budapest to planned capitals like Canberra or Ottawa. This new research gives innovative perspectives on city tourism which will prove valuable for researchers, students of tourism and urban studies, and policy makers.

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Tourism and Generation Y

Edited by **P J Benckendorff** and **G Moscardo**, James Cook University, Australia and **D Pendergast**, Griffith University, Australia

Generation Y is a phenomenon identified by social scientists and social commentators, and is frequently discussed in the media. Referring to the current generation of young people, the label attributes to this generation modes of behaviour, values and attitudes distinct from those of previous generations. This book looks at Generation Y in a tourism context, in broad conceptual terms such as trends and behaviour, and in applied terms, for example looking at particular types of travel that Generation Y take part in and tourism marketing aimed specifically at them. This volume aims to define and examine the current and future generation of tourism workers and consumers, and is an essential read for researchers and students in tourism studies and related industries.

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Edited by **P Burns**, **C Palmer** and **J Lester**, all University of Brighton, UK

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Title index

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Agro-industries for Development	4	Keys to the Nematode Parasites of Vertebrates: Archival Volume	1, 11
Animal Nutrition Science	27	Keys to the Nematode Parasites of Vertebrates: Supplementary Vol	1, 11
Applied Mycology	12	Keys to the Trematoda, Vol 3	13
Aquaculture, 2nd edition	22	Labels of Origin for Food	29
Architecture and Biology of Soils, The	15	Leisure, Sport and Tourism, 3rd edition	32
Behavioural Biology of Dogs, The	27	Lentil, The	2
Biofuels	14	Long Distance Transport and Welfare of Animals	27
Biorational Tree-Fruit Pest Management	2	Management of Fungal Plant Pathogens	7, 12
Biosolids Recycling	15	Mango, The, 2nd edition	5
Biostatistics for Animal Science	24	Manual of Leaf Architecture	10
Botanical Medicine in Clinical Practice	30	Mastitis Control in Dairy Herds, 2nd edition	25
Building Community Capacity for Tourism Development	34	Meat Science, 2nd edition	23
Citrus Mites	2	Mineral Nutrition of Livestock, 4th edition	20
City Tourism	33	Molecular Plant Breeding	1, 6
Communicable Disease Epidemiology and Control, 3rd edition	28	Molecular Plant-Microbe Interactions	6
Contemporary Tourist Behaviour	31	Nematodes as Environmental Indicators	13
Dictionary of Entomology, A, 2nd edition	26	Next Rural Economies, The	4
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Disappearing Destinations	34	Nutrition Promotion	30
Domestic Animal Behaviour and Welfare, 4th edition	27	Paratuberculosis	25
Ecohydrology	18	Phosphorus and Calcium Utilization and Requirements in Farm Animals	19
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Ecology and Silviculture of Oaks, The, 2nd edition,	17	Phytoplasmas	8
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Entertainment Industry, The	1, 31	Principles of Cattle Production, 2nd edition	23
Environmental Impact of Genetically Modified Crops	10	Prioritizing Agricultural Research	3
Ethology of Domestic Animals, The, 2nd edition	27	Quest for Sustainable International Fisheries, The	21
Event Management and Sustainability	34	Radar Entomology	27
Farm Business Management	4	Rangeland Degradation and Recovery in China's Pastoral Lands	3
Finfish Aquaculture Diversification	22	River Basin Trajectories	16
Fish Diseases and Disorders, Vol 1, 2nd edition	21	RNA Interference	10
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Fish Diseases and Disorders, Vol 3, 2nd edition	21	Soil Ecology and Management	14
Forest Genetics	18	Strategic Management in Tourism, 2nd edition	32
Forestry and Climate Change	17	Tourism and Generation Y	33
Giardia and Cryptosporidium	30	Tourism and Visual Culture, Vol 1	33
Global Theme Park Industry, The	34	Tropical Deltas and Coastal Zones Community	16
Grapes	5	Vegetable Seed Production, 3rd edition	9
Growth of Farm Animals, 3rd edition	24		
Guide to Cultivated Plants	5		
Health Promoting Properties of Fruits and Vegetables	9, 29		
Helicobacter pylori in the 21st Century	13, 29		
Improving Animal Welfare	1, 20		
Industrial Crops and Uses	5		
Insect-resistant Maize	3		
Introduction to Pandemic Influenza	1, 28		
Introductory Probability and Statistics	18		
Invasive Plant Ecology in Natural and Agricultural Systems, 2nd edition	9		

Author / Editor Index

Adams, W T	18	Harper, D	18	Pheng, K S	16
Aluja, M	2	Headrick, D	26	Phillips, C	23
Anderson, R C	1, 11	Helliwell, C	10	Phillips, M	34
Appleby, M	27	Henry, R J	10	Piché, Y	12
Arya, A	7, 12	Hickey, L J	10	Preedy, V	30
Baker, D	4	Hoanh, C	16	Rai, M	12
Barham, E	29	Ismail, A	16	Railzer, D A	3
Baum	34	Janse, J D	7	Raj, R	34
Behr, M	25	Jenane, C	4	Reynolds, D	27
Benckendorff, P	33	Jensen, P	27	Ritchie, B W	33
Blier, P	22	Jobling, M	22	Ritz, K	15
Blowey, R	25	Johnson, K R	10	Rogers, R	17
Booth, B	9	Johnson, P S	17	Sampedro, L	14
Bouarab, K	6	Jones, A	13	Sarker, A	2
Bowen, D	31	Jones, A L	34	Scragg, A	14
Bray, R A	13	Jones, P	8	Sellwood, C	1,28
Bridge, P D	12	Jongneel, R	5	Sharma, B	2
Brisson, N	6	Kaps, M	24	Shepherd, A W	4
Broadmeadow, M S J	17	Kebreab, E	19	Shifely, S R	17
Broom, D	27	Khakouli-Duarte, T	13	Singh, B	5
Brouwer, F	5	Khasa, D P	12	Slyvander, B	29
Bruce, D	4	Kirk, P M	13	Smith, H	30
Bruno, D W	21	Kozak, A	18	Smith, S	15
Buckley, R	34	Kozak, R	18	Squires, V R	3
Bürgi, J	3	Krebs, C	18	Starr, J L	13
Burns, P	33	Lamberson, W	24	Stalpers, J A	13
Burton, M	16	Lambert, L	27	Staudhammer, C	18
Cacciò, S	30	Lawrence, T	24	Stickney, R R	22
Cannon, P F	13	Le François, N	22	Suttle, N	20
Carter, C	22	Leatherland, J	21	Sutton, P	13, 29
Chabaud, A G	1, 11	Leskey, T C	2	Swanton, C J	9
Clarke, J	31	Lester, J	33	Szuster, B	16
Clavé, S A	34	Litz, R E	5	Tanino, K	8
Collins, D	25	Lu, Q	3	Tepper, B	30
Coughlin, A P	12	Lu, X	3	Terry, L	9, 29
Creasy, G L	5	Lynch, J M	17	Thompson, R	30
Creasy, L L	5	Maitland, R	33	Turner, J	27
Cussen, V	27	Mank, T	30	Vacante, V	2
da Silva	4	Markey, S	4	Van-Tam, J	1,28
Daayf, F	6	Meltzer, E	21	Veal, A J	32
Daly, D C	10	Mills, D	19	Vincent, C	2
Doran, T	10	Minter, D W	13	Vitti, D M S S	19
Drake, A	27	Miranda-da-Cruz, S	4	Wang, T	3
Dryden, G	27	Mitchell, H	13, 29	Warriss, P	23
Edmondson, P	25	Mitchell, J D	10	Watson, R	30
Ellis, B	10	Moens, M	13	Watts, S	18
Elzebroek, A T G	5	Molle, F	16	Webber, R	28
Erskine, W	2	Moscardo, G	33, 34	Weintraub, P G	8
Evans, J	18	Moss, S	1, 31	Wester, P	16
Fayer, R	30	Moutinho, L	32	Whalen, J	14
Ferry, N	10	Muehlbauer, F S	2	White, T L	18
Fowler, V	24	Murphy, S D	9	Wiif, P	10
Fox, G	5	Musgrave, J	34	Willmott, S	1, 11
Fraser, A F	27	Neale, D B	18	Wilson, M	13
Freer-Smith, P	17	Noble, A	16	Wind, K	5
Garcés, L	27	Norton, G	3	Wing, S L	10
Gatehouse, A	10	Novakofski, J	24	Wisniewski, M E	8
George, R A	9	Nuthall, P	4	Woo, P T K	21
Gibbons, L	1, 11	Ortega-Pierres, M	30	Woroby, J	30
Gibson, D I	13	Pacini, N	18	Worsely, T	30
Gordh, G	26	Palmer, C	33	Xu, Y	1, 6
Grandin, T	1, 20	Pendergast, D	33	Yang, Y	3
Gusta, L	8	Perelló, A E	7, 12	Young, R M	15
Halseth, G	4	Perry, R	13	Zalewski, M	18

new look bookshop!

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