

The American Phytopathological Society

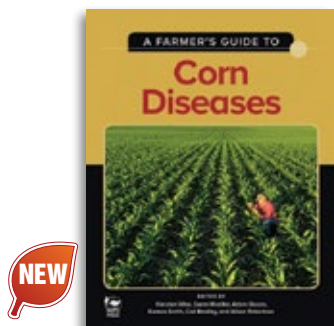
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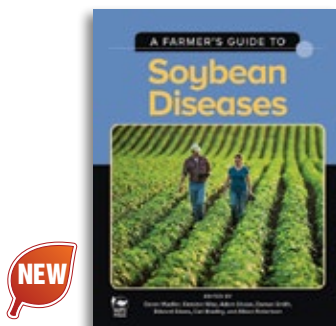
Introducing the first two books in our all-new Farmer's Guide series!



A Farmer's Guide to Corn Diseases

Edited by Kiersten Wise, Daren Mueller, Adam Sisson, Damon Smith, Carl Bradley, and Alison Robertson

2016; 8.5" x 11" softcover; 176 pages (est); 272 images; 2 pounds; ISBN 978-0-89054-454-9; Item No. 44549 • **Print \$29.95**



A Farmer's Guide to Soybean Diseases

Edited by Daren Mueller, Kiersten Wise, Adam Sisson, Damon Smith, Edward Sikora, Carl Bradley, and Alison Robertson

2016; 8.5" x 11" softcover; 168 pages (est); 309 images; 2 pounds; ISBN 978-0-89054-455-6; Item No. 44556 • **Print \$29.95**

Our new Farmer's Guide series provides the images, tools, and non-technical guidance to help ag professionals accurately diagnose diseases and disorders in the field. It features diagnostic keys and other extensive cross-referencing tools to help users quickly find diseases and minimize identification errors...

- An easy-to-follow introduction to diseases and disorders
- A non-technical overview on diagnosing diseases in a field setting
- Disease listings organized by part of the plant affected
- Disease distribution maps to help narrow the search for suspect diseases
- Basic instructions for using diagnostic and scouting tools, like hand lenses
- A glossary defining the various diseases and diagnostic terms used in the book

**SPECIAL
OFFER:**

Buy the two-book set for \$39.95, a \$19.95 savings!
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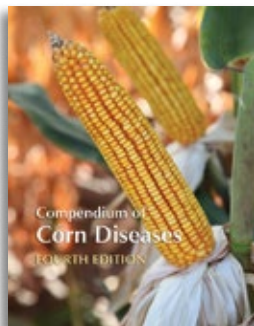
BRAND-NEW EDITION of our best-selling compendium!

Compendium of Corn Diseases, Fourth Edition

NEW

Edited by Gary P. Munkvold and Donald G. White

The new and highly anticipated edition of this all-time best-selling APS PRESS title is the most up-to-date and practical reference available for crop scouts, agribusiness representatives, extension agents, area crop specialists, researchers, educators, students, and growers. It includes more than 300 peer-reviewed color images, valuable management recommendations, and expert diagnostic advice for nearly 90 diseases and disorders of corn. Coverage includes diseases caused by bacteria, mollicutes, fungi, nematodes, and parasitic seed plants. The fourth edition also adds new sections on using fungicides for foliar disease management, combating storage molds, plus an appendix that identifies common names of corn diseases, along with their pathogen names. This book is the preferred reference for the agricultural science community concerned with corn health and disease control. Practitioners will find it pays for itself quickly through improved yields.



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2016; 8.5" × 11" softcover; 165 pages; 312 images; 2 pounds; ISBN 978-0-89054-492-1;
Item No. 44921 • **Print \$119**

ALL-NEW addition to our popular Compendium series!

Compendium of Sunflower Diseases and Pests

NEW

Edited by R. M. Harveson, S. G. Markell,
C. C. Block, and T. J. Gulya

This all-new disease and insect compendium for sunflower crops will serve as a vital field guide at universities, extension offices, diagnostic labs, farms, and even homes where sunflowers are grown. It includes nearly 300 images and research-based management recommendations, allowing users to scout, identify, and manage a range of diseases and insect pests of sunflowers grown for food or ornamental use. This publication is organized into several major parts. An introduction provides brief histories of sunflower production and usage, botany, and breeding. The remainder covers four key areas: biotic diseases, insect pests, abiotic diseases and disorders, and emerging issues for sunflower production. This new publication is truly an international effort, authored by 37 expert scientists at institutions from Africa, Australia, Europe, North America, and South America.



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2016; 8.5" × 11" softcover; 140 pages; 277 images; 2 pounds; ISBN 978-0-89054-507-2;
Item No. 45072 • **Print \$139**

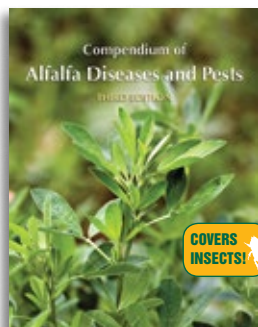
Compendium of Alfalfa Diseases and Pests, Third Edition



Edited by Deborah A. Samac, Landon H. Rhodes, and William O. Lamp

The *Compendium of Alfalfa Diseases and Pests, Third Edition*, is the most comprehensive diagnostic reference guide to date on the many diseases and insect pests of alfalfa, one of our most important forage crops. This easy-to-use book includes comprehensive diagnostic and management information on nearly 50 infectious diseases, non-infectious diseases, insect pests, and abiotic conditions. This third edition, written by more than 55 expert plant pathologists and entomologists working on alfalfa, delivers an almost entirely new collection of 270-plus color images, revised management information, the addition of five recently discovered diseases, and an entirely new section covering alfalfa's arthropod pests. Some pests can significantly decrease yield and this new section describes and illustrates their life cycles, behaviors, and damage symptoms, along with management practices. The *Compendium of Alfalfa Diseases and Pests, Third Edition* is essential for researchers and practitioners worldwide. Extension scientists, consultants, field staff, and growers will find the book helpful for identifying and managing alfalfa pests and disorders. Plant pathologists, entomologists, and their staff in laboratories, diagnostic clinics, regulatory agencies, and the classroom will also find this book to be an invaluable reference.

2015; 8.5" × 11" softcover; 138 pages; 243 images; 2 pounds; ISBN 978-0-89054-446-4; Item No. 44464 • **Print \$119**



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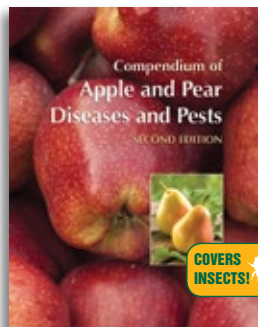
Compendium of Apple and Pear Diseases and Pests, Second Edition



Edited by Turner B. Sutton, Herb S. Aldwinckle, Arthur M. Agnello, and James F. Walgenbach

This colorful guidebook is essential for ensuring early detection of disease and pest symptoms in order to implement control measures for maximum yields and product quality. It is an invaluable resource for anyone involved in healthy apple and pear production, including plant pathologists, entomologists, pomologists, extension agents, master gardeners, horticulturists, IPM practitioners, pesticide applicators, agrochemical professionals, private consultants, and growers. The book is easy to use. It allows users to match the symptoms and pests on their trees with the book's color photographs. Users can then refer to the corresponding text, which describes the related symptoms, causes, cycles, and management practices for the particular disease, insect, or mite. The authors also describe nutritional and postharvest disorders of apples and pears and provide recommendations to minimize or improve these issues.

2014; 8.5" × 11" softcover; 224 pages; 343 color images; 3 black-and-white images; 3 pounds; ISBN 978-0-89054-430-3; Item No. 44303 • **Print \$119; e-book: \$89.10**



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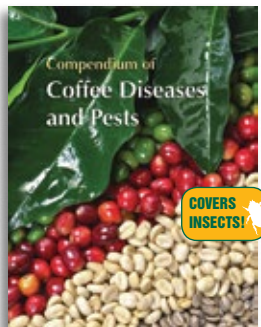
TOLL-FREE 1.800.328.7560

Compendium of Coffee Diseases and Pests

Edited by Alvaro L. Gaitán, Marco A. Cristancho, Bertha L. Castro Caicedo, Carlos A. Rivillas, and Gabriel Cadena Gómez

Coffee Leaf Rust, also known as Roya, has cost growers more than \$1 billion since 2012. This, a host of other diseases, as well as insects, mites, and nematodes are attacking coffee crops worldwide and, in turn, driving up coffee prices. In response, coffee researchers from around the globe have come together to produce the *Compendium of Coffee Diseases and Pests*, a comprehensive new book that includes more than 100 vivid, high-quality color photographs to guide users through the accurate diagnosis and proper management of nearly 50 diseases, pests, and disorders of coffee plants. Whether you are a scientist, grower, extension or regulatory agent, or a professional in the coffee industry, this important new book can help you and colleagues play an important role reducing the impact of the world's most costly coffee pests.

2015; 8.5" x 11" softcover; 79 pages; 108 images; 2 pounds; ISBN 978-0-89054-470-9; Item No. 44709 • **Print \$119; eBook \$98**



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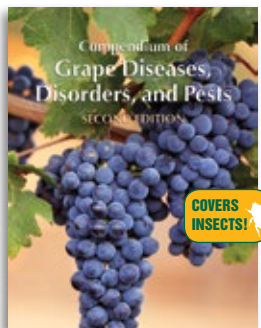
A one-of-a-kind reference for vineyard managers, their advisors, and personnel!

Compendium of Grape Diseases, Disorders, and Pests, Second Edition

Edited by Wayne F. Wilcox, Walter D. Gubler, and Jerry K. Uyemoto

Grapes are the most widely planted fruit crop. They are also one of the most management intensive crops in existence. Couple this with the fact that a comprehensive diagnostic and management guide for grape diseases hasn't been published since 1988, and you have the workings for a book that is in very high demand. This unique book fills an important need by wine grape, table grape, and juice grape vineyards worldwide. It includes a tremendous amount of new research and management recommendations to combat most diseases, insect pests, and abiotic disorders of grape. Two completely new and distinctive sections alone will likely pay for the book itself. The first, Grapevine Fungicides, discusses fungicides and cultural practices in the context of minimizing disease resistance. The second, Spray Technology for Grapevines, which emphasizes cost saving techniques and practices, helps users minimize pesticide use and ensures the chemical hits its target, not elsewhere in the environment. This book's 79 contributing authors spanning five continents ensure that it applies to vineyards worldwide!

2015; 8.5" x 11" softcover; 232 pages; 375 images; 3 pounds; ISBN 978-0-89054-479-2; Item No. 44792 • **Print \$119**



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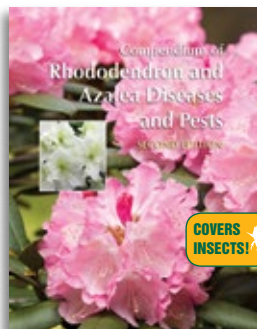
More than double the size of the first edition!

Compendium of Rhododendron and Azalea Diseases and Pests, Second Edition

Edited by Robert G. Linderman and D. Michael Benson

This comprehensive book does more than provide the most current disease and pest information for commercial and noncommercial growers throughout the world. It provides it in a simple, easy-to-use format that helps readers recognize and control pest-related problems of these valuable and beautiful plants. The *Compendium of Rhododendron and Azalea Diseases and Pests, Second Edition* is an essential tool for ornamental gardeners, commercial growers, consultants, and others who cultivate these plants in commercial nurseries, home gardens, park and municipal landscapes, and similar settings. It is a useful and important reference for students, plant scientists, and extension experts working in entomology, plant pathology, horticulture, nematology, and related disciplines. Symptom diagnosis is improved with a new collection of more than 170 color photos throughout the book and an easy-to-use symptoms-based diagnostic guide. Management strategies cover various production systems used throughout the world and are segmented by geography and environment.

2014; 8.5" x 11" softcover; 144 pages; 173 color images; 8 black-and-white images; 2 pounds; ISBN 978-0-89054-436-5; Item No. 44365 • **Print \$109**



Announcing a completely new edition of a top-selling book in the Compendium of Plant Disease series!

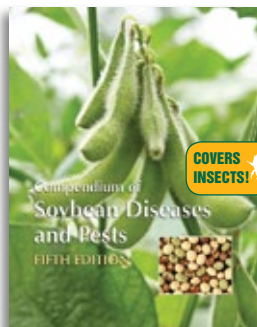
Compendium of Soybean Diseases and Pests, Fifth Edition

Edited by G. L. Hartman, J. C. Rupe, E. J. Sikora, L. L. Domier, J. A. Davis, and K. L. Steffey

This practical new reference is more international in scope and comprehensive than its four previous editions, which sold more than 30,000 copies worldwide. It is the authoritative guide for professionals in agribusiness, consulting, extension, academia, regulatory agencies, as well as on the farm. More than 250 images and illustrations complement all four sections of this comprehensive book:

- Diseases and pests caused by prokaryotes, fungi and oomycetes, nematodes, and viruses
- Insect pests and strategies for their management
- Disorders caused by abiotic factors, including weather-related stresses, mineral deficiencies, toxicities, and injuries from chemicals and pollutants
- Strategies for disease management, including biological enhancements, cultural practices, host-plant resistance, and pesticide use

2015; 8.5" x 11" softcover; 216 pages; 201 color images; 23 black and white; 3 pounds; ISBN 978-0-89054-473-0; Item No. 44730 • **Print \$119**



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A perfect complement to Tomato Health Management (Page 21)

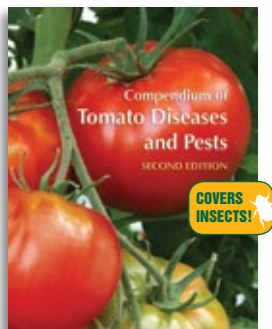
Compendium of Tomato Diseases and Pests, Second Edition

NEW

Edited by Jeffrey B. Jones, Thomas A. Zitter,
Timur M. Momol, and Sally A. Miller

This latest edition of an all-time bestseller allows anyone—from the gardener to the professional—to understand, diagnose, and treat more than 60 diseases of tomato occurring throughout the world. This impressive new book includes nearly 250 new images and nearly 20 new diseases and disorders caused by fungi and oomycetes, bacteria, phytoplasmas, viruses, and viroids. The new edition is completely updated and now includes important coverage of arthropod pests, namely, mites, insects, and “worm” pests, with contributions and management advice from expert entomologists. The book’s easy-to-follow format helps the reader identify symptoms of tomato diseases and pests occurring in the greenhouse, field, garden, and in transit to market.

2014; 8.5" × 11" softcover; 168 pages; 247 color images; 1 line drawing; 2 pounds;
ISBN 978-0-89054-424-2; Item No. 44242 • **Print \$119; e-Book \$89.10**



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*Meet the challenges of disease management
in the growing organics market.*

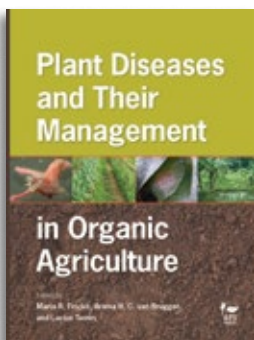
NEW

Plant Diseases and Their Management in Organic Agriculture

Edited by Maria R. Finckh, Ariena H. C. van Bruggen,
and Lucius Tamm

Depending on the crop and climatic region, challenges to organic production can vary greatly. That’s why this important new book is a truly international collaboration with contributors from North America, Europe, and Africa. Part one defines terms of the organic arena, as well as global trends, regulations, and approaches to organic agriculture. Part two offers an overview of organic production methods, principles, and production systems. Part three discusses the role of diseases in organic systems and how they are affected by the system itself. Part four covers the general approaches and methods used for plant disease management in organic agriculture. Part five lays out examples of crop-disease management applications for temperate and tropical crops. This book is a must for anyone involved in organic production or regulation.

2015; 8.5" × 11" hardcover; 414 pages; 249 images; 4 pounds; ISBN 978-0-89054-476-1;
Item No. 44761 • **Print \$199**



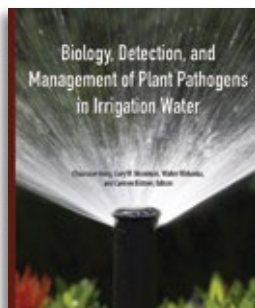
"... an ideal textbook and highly recommended for agricultural department curriculums and academic library reference collections."

—The Midwest Book Review



Biology, Detection, and Management of Plant Pathogens in Irrigation Water

Edited by Chuanxue Hong, Gary W. Moorman, Walter Wohanka, and Carmen Büttner



Those working at nurseries, greenhouses, farms, and research facilities understand that the cost of managing plant pathogens in irrigation systems is high. This *first-of-its-kind book* features the biological AND practical information needed to identify and manage the many pathogens found in irrigation water. This combination of scientific and applied information makes it ideal for both scientists and practitioners. Nearly 130 images help users understand diverse irrigation systems, associated pathogens and their detection, and crop health risk mitigation strategies and technologies. A comprehensive table in the appendix gives users rapid access to information on specific plant pathogens that have been found in water, the crops at risk, and specific citations for those records. When applied, the best management practices featured in this book can have a direct and positive impact on some of the biggest challenges facing global agriculture in the 21st century, such as water use efficiency, reduction of our environmental footprint, climate change, and food security. If your operation uses an irrigation system, this book will quickly pay for itself.

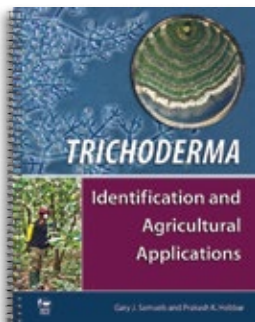
2014; 8.5" × 11" hardcover; 436 pages; 128 images; 37 line drawings; 5 pounds;
ISBN 978-0-89054-426-6; Item No. 44266 • **Print \$289; eBook \$199**

TRICHODERMA Identification and Agricultural Applications



By Gary J. Samuels and Prakash K. Hebbar

This is the 'how to' book for *Trichoderma*, a genus of ecologically important beneficial microorganisms that has been shown to be useful in meeting critical agricultural challenges such as nutrient and mineral uptake and remediation of toxic elements. Expertly written, the authors explain how to isolate cultures of *Trichoderma* and how to select, handle, formulate, identify and register effective strains of *Trichoderma* species. They clearly describe the process of identifying *Trichoderma* cultures to species using molecular and classical techniques. Descriptions and illustrations of forty-five common and less common species are provided along with a key for their identification and illustrations for each.



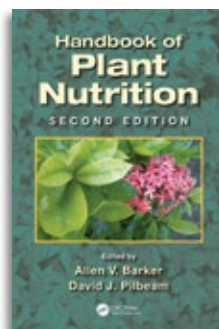
©2015; 8.5" × 11" spiral-bound softcover; 204 pages; 55 images; 2 pounds;
ISBN 978-0-89054-484-6; Item No. 44846 • **Print \$185**

Handbook of Plant Nutrition, Second Edition

Edited by Allen V. Barker and David J. Pilbeam

This best-selling compendium of information on the mineral nutrition of plants reflects the recent advances in knowledge of plant nutrition. Each element is covered in a different manner and extensively explores the relationship between plant genetics and the accumulation and use of nutrients by plants. This book demonstrates how the appearance and composition of plants and soil testing can be used to assess nutritional status.

2015; 7" × 10" hardcover; 743 pages; 4 pounds;
Item No. 81972 • **Print \$159**



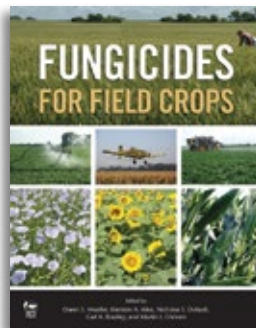
Nearly 15,000 copies now in use!

Fungicides for Field Crops

Edited by Daren Mueller, Kiersten Wise,
Nicholas Dufault, Carl Bradley, and Martin Chilvers

This book is accessible to readers of all backgrounds and levels. The first three sections give the reader a foundation of knowledge about fungicide use, addressing basic terms and concepts, key factors in decision making, fungicide stewardship. The authors then present management information for 16 specific field crops. Each crop is treated in a separate section that covers general issues of importance, like foliar application and seed treatment, and ends with an inclusive table identifying diseases of that crop, their causes, and how fungicides may treat them.

2013; 8.5" × 11" softcover; 120 pages; 131 color photographs, 7 diagrams; 2 pounds;
ISBN 978-0-89054-420-4; Item No. 44204 • **Print \$19; e-Book \$17.10**



Diseases, Pests, and Beneficial Organisms of Strawberry, Raspberry, and Blueberry

By Liette Lambert, Odile Carisse, Ginette H. Laplante,
and Charles Vincent

Originally published in French, this versatile pocket guide has 126 descriptive entries with more than 700 high-resolution color photographs and illustrations to help identify pest problems and better understand the beneficial organisms present in strawberries, raspberries, and highbush blueberries. It is an excellent scouting tool that also provides background information on the main phenological stages of the crops, diseases, insects and other organisms, screening, and diagnosis.

2013; 4.25" × 7.25" spiral bound; 344 pages; 700 color images and illustrations; 2 pounds;
Item No. 02301 • **Print \$59**



Identify and manage pests with these easy-to-use Compendium Series handbooks!

There are more than 40 books in this series, each covering specific agricultural and horticultural crops. They help users diagnose and understand and manage a full range of infectious diseases (fungal, bacterial, and viral), non-infectious disorders, as well as insect, mite and worm pests. Each book is full of vivid color images and easy-to-understand management information. Even users with little plant pathology or entomology knowledge can use these books to identify and manage real-world crop health issues. They are ideal for...

- Farming, nursery, and landscaping operations
- Consultants
- Crop scientists and extension personnel
- Regulatory agents
- Master gardeners
- Diagnosticians
- Students, faculty and staff

"The books in the APS Compendium series seem to get better and better...Excellent quality and value."

—Plant Pathology

Compendium of Barley Diseases, Second Edition

Edited by D. E. Mathre

Barley's importance as a crop has grown with the craft beer boom. More than 26 scientists contributed to this edition used by barley growers, county extension agents, malting and brewing company field personnel, agronomists, and plant pathologists. It includes 180 images, descriptions of pathogen symptoms, and management recommendations.

1997; 8.5" x 11" softcover; 120 pages; 142 color photographs; 40 black and white photographs and illustrations; 2 pounds;

ISBN 978-0-89054-180-7; Item No. 41809 • **Print \$89**



Compendium of Bean Diseases, Second Edition

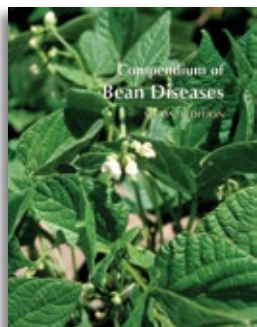
Edited by Howard F. Schwartz, James R. Steadman, Robert Hall, and Robert L. Forster

"...This book will be of great interest to bean growers, plant protection specialists, diagnostic clinicians and all others interested in recognition or management of bean plant diseases."

—The Journal of Plant Protection Research

Includes 183 color images covering more than 85 diseases that affect beans worldwide, including snap, pole or climbing, lima, kidney, pinto, great northern, navy, black, red, pink, and cranberry.

2005; 8.5" x 11" softcover; 120 pages; 201 images; 2 pounds; ISBN 978-0-89054-327-6; Item No. 43275 • **Print \$89**



TOLL-FREE 1.800.328.7560

Compendium of Beet Diseases and Pests, Second Edition

Edited by Robert M. Harveson, Linda E. Hanson, and Gary L. Hein

"The clear color images of plant injury symptoms can readily serve as diagnostic aids for identifying crop problems in the field."

— IPMnet News

This is an essential scouting and management reference for field workers, diagnosticians, plant pathologists, extension specialists, agronomists, entomologists, vegetable horticulturists, and master gardeners. Nearly 300 images make diagnosis easy!

2009; 8.5" × 11" softcover; 140 pages; 289 color images; 10 black and white images; 2 pounds; ISBN 978-0-89054-365-8; Item No. 43658 • **Print \$99**



Compendium of Brassica Diseases

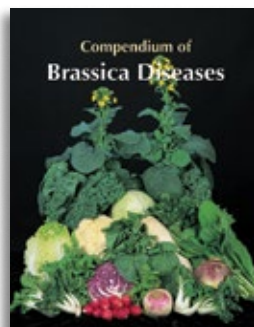
Edited by S. Roger Rimmer, Vernon I. Shattuck, and Lone Buchwaldt

"Another excellent compendium in the series by APS. A must for all plant pathologists, extensionists, farmers and even gardeners."

—Fungal Diversity

Covers more than a dozen brassica crops: cabbage, cauliflower, broccoli, Brussels sprouts, kohlrabi, greens, Asian mustard greens, Chinese broccoli (Chinese kale), Chinese cabbage, horseradish, radish, turnip, rutabaga, oilseed rape (canola, rapeseed), and culinary mustards!

2007; 8.5" × 11" softcover; 117 pages; 191 color illustrations; 26 black and white illustrations; 2 pounds; ISBN 978-0-89054-344-3; Item No. 43443 • **Print \$79**

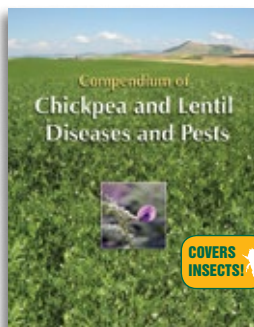


Compendium of Chickpea and Lentil Diseases and Pests

Edited by Weidong Chen, Hari C. Sharma, and Fred J. Muehlbauer

This book is the first comprehensive treatise on diseases and insect pests affecting chickpea and lentil crops. It covers diseases caused by fungi, nematodes, viruses, bacteria, phytoplasmas, parasitic weeds, and insect damage. It also provides diagnostic and treatment information for noninfectious disorders including nutrient deficiencies and toxicities, herbicide injuries, and environmental problems.

2011; 8.5" × 11" softcover; 164 pages; 275 color images; 2 pounds; ISBN 978-0-89054-383-2; Item No. 43832 • **Print \$89**



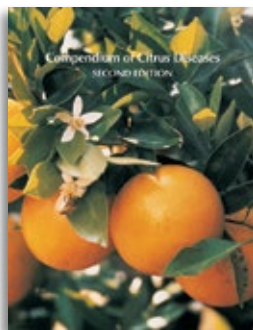
*Also see Citrus Health Management
on Page 22!*

Compendium of Citrus Diseases, Second Edition

Edited by L. W. Timmer, S. M. Garnsey, and
J. H. Graham

This disease identification guide is a must-read for anyone involved with citrus crops, including growers, crop consultants, agronomists, plant scientists, extension workers, teachers, students, and county agents. It includes 207 color photographs and an extensive glossary.

2000; 8.5" × 11" softcover; 128 pages; 207 color illustrations; 31 black and white illustrations; 2 pounds; ISBN 978-0-89054-248-4; Item No. 42481 • **Print \$79**



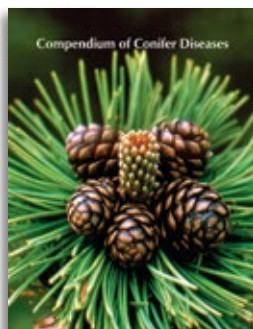
Ideal for landscapers and foresters!

Compendium of Conifer Diseases

Edited by Everett M. Hansen and Katherine J. Lewis

This compendium includes contributions from 36 forest pathology experts throughout the world, ensuring global coverage with a local scope on diseases of forest trees, as well as in special settings, such as nurseries Christmas tree plantations, and landscapes. It is useful to a wide range of landscapers, forestry practitioners, researchers, and all responsible for the conifer health.

1997; 8.5" × 11" softcover; 128 pages; 170 color photographs; 13 black and white illustrations; 2 pounds; ISBN 978-0-89054-183-8; Item No. 41833 • **Print \$79**



Compendium of Cotton Diseases, Second Edition

Edited by T. L. Kirkpatrick and C. S. Rothrock

"...photographs show many of the symptoms likely to be encountered in the field, enabling individuals with only limited experience in cotton production to make reasonably accurate diagnoses."

—New Zealand Journal of Crop and Horticultural Science

This book provides practical information on the diagnosis and control of cotton diseases worldwide. Expanded disease sections include detailed pathogen descriptions, characteristic symptoms, the disease cycle, and control information.

2001; 8.5" × 11" softcover; 100 pages; 115 color photographs; 32 black and white illustrations; 2 pounds; ISBN 978-0-89054-279-8; Item No. 42791 • **Print \$79**

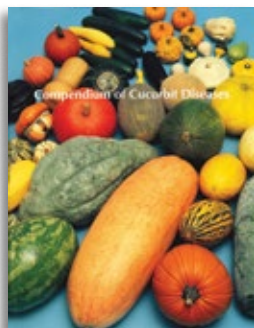


Compendium of Cucurbit Diseases

Edited by Thomas A. Zitter, Donald L. Hopkins, and Claude E. Thomas

This essential tool is international in scope and practical in emphasis, helping users identify, control, and prevent diseases and disorders of melons, watermelons, squash, cucumbers, and other cucurbits. It is equally helpful in the field, the greenhouse, the laboratory, or the diagnostic clinic! A section on postharvest handling is also included.

1996; 8.5" × 11" softcover; 120 pages; 17 black and white figures; 171 color photographs; 2 pounds; ISBN 978-0-89054-207-1; Item No. 42074 • **Print \$79**

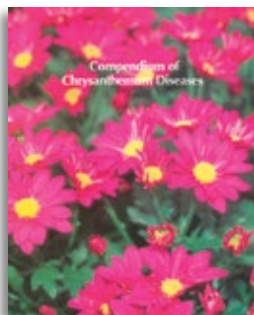


Compendium of Chrysanthemum Diseases

Edited by R. Kenneth Horst and Paul E. Nelson

This essential reference contains the fundamentals for identifying, preventing, diagnosing, and controlling a range of chrysanthemum diseases and pests, including infectious diseases, noninfectious diseases caused by physiological problems, environmental imbalances, air pollution, pesticide toxicity, and nutritional deficiencies and toxicities. A glossary, index, and selected references are also included.

1997; 8.5" × 11" softcover; 88 pages; 58 color photographs; 40 black and white illustrations; 2 pounds; ISBN 978-0-89054-177-7; Item No. 41779 • **Print \$79**



More than 300 images!

Compendium of Flowering Potted Plant Diseases

By Margery L. Daughtrey, Robert L. Wick, and Joseph L. Peterson

This book is an essential reference to preventing, diagnosing, and controlling infectious diseases, noninfectious diseases and arthropod injuries of most flowering potted plants. Complete pathogen descriptions, excellent color photos, and step-by-step advice will make this ideal for the grower and diagnostician alike!

1995; 8.5" × 11" softcover; 90 pages; 60 black and white photographs and illustrations; 248 color photographs; 2 pounds; ISBN 978-0-89054-202-6; Item No. 42023 • **Print \$79**



Compendium of Hop Diseases and Pests

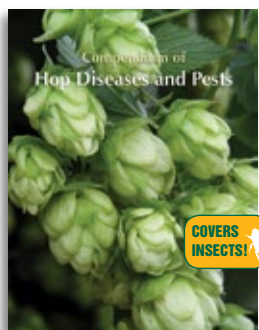
Edited by Walter Mahaffee, Sarah Pethybridge, and David H. Gent

"...useful information not only for everyone interested in growing hop, but for those interested in plant pathology, entomology, horticulture science and teaching..."

—Czech Mycology.

Includes nearly 150 images to help you identify the many hop diseases and insect pests found worldwide. Expert descriptions and vivid color photographs also cover nutrient disorders and plant injury. An important tool for cultivating this highly management-intensive crop!

2009; 8.5" × 11" softcover; 112 pages; 147 color images; 6 black and white images; 2 pounds; ISBN 978-0-89054-376-4; Item No. 43764 • **Print \$89**



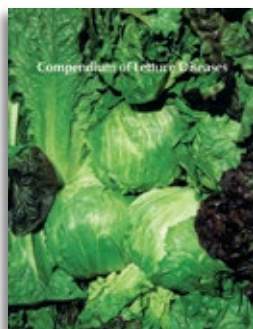
Practical, timeless guidelines for the control of lettuce diseases!

Compendium of Lettuce Diseases

Edited by R. Michael Davis, Krishna V. Subbarao, Richard N. Raid, and Edward A. Kurtz

This compendium is an international account of diseases of crisphead, romaine, butterhead, and leaf lettuce (all types of *Lactuca sativa* L.) and provides practical guidelines for their control. Control measures stress timeless, general principals and cultural practices that apply to most lettuce-growing areas.

1997; 8.5" × 11" softcover; 104 pages; 104 color photographs; 13 black and white illustrations; 2 pounds; ISBN 978-0-89054-186-9; Item No. 41868 • **Print \$89**



Covers 150+ diseases and disorders!

Compendium of Nut Crop Diseases in Temperate Zones

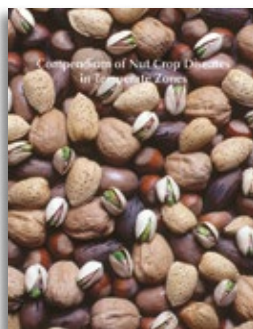
Edited by Beth L. Teviotdale, Themis J. Michailides, and Jay W. Pscheidt

"This is a book useful to anyone working with nut crops."

— Nematoglia Meditterana

This practical and easy-to-use compendium includes 189 color photographs and complete pathogen descriptions of diseases and disorders of almond, hazelnut, pecan, pistachio, and English walnut crops. It also explains environmental and cultural practices that affect disease development.

2002; 8.5" × 11" softcover; 100 pages; 189 color photographs; 22 black and white illustrations; 2 pounds; ISBN 978-0-89054-284-2; Item No. 42848 • **Print \$79**



Compendium of Onion and Garlic Diseases and Pests, Second Edition

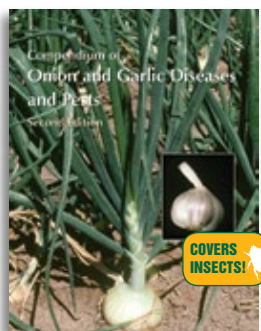
Edited by Howard F. Schwartz and S. Krishna Mohan

"This volume will be invaluable for commercial growers and backyard onion and garlic growers, as well as for pest management specialists, crop consultants, agricultural agents, graduate students, and professors. Highly recommended."

—CHOICE

This authoritative reference covers more than 75 infectious and noninfectious diseases, as well as insect pests. It includes nearly 250 color photographs, coupled with expert descriptions and management advice.

2008; 8.5" × 11" softcover; 127 pages; 250 color illustrations; 17 black and white illustrations; 2 pounds; ISBN 978-0-89054-357-3; Item No. 43573 • **Print \$89**



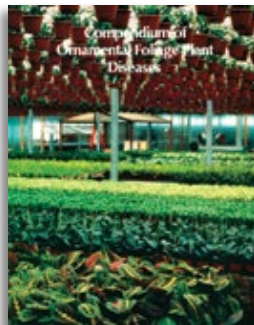
Highly organized with complete coverage of ornamental foliage plants!

Compendium of Ornamental Foliage Plant Diseases

By A. R. Chase

This book covers a wide range of crops and is organized in a way that allows for easy cross-referencing between pathogens and hosts. A glossary and an index are included for even easier reference.

1987; 8.5" × 11" softcover; 114 pages; 133 color photographs; 65 black and white photographs and illustrations; 2 pounds; ISBN 978-0-89054-077-0; Item No. 40772 • **Print \$79**



Compendium of Ornamental Palm Diseases and Disorders

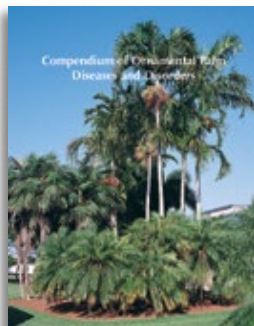
Edited by M. L. Elliott, T. K. Broschat, J. Y. Uchida, and G. W. Simone

"...A useful reference for botanists, horticulturalists, landscapers and nurserymen...one of the best sources of information on the subject."

— Magazine of Palm and Cycad Societies of Australia

This book includes vital information on diseases and disorders affecting palms during nursery production and later in the landscape. Nearly 240 color images, detailed descriptions, and treatment methods, help you visually identify and treat diseases and disorders that affect the health and beauty of these magnificent plants.

2004; 8.5" × 11" softcover; 71 pages; 237 color images; 4 black-and-white images; 2 pounds; ISBN 978-0-89054-314-6; Item No. 43143 • **Print \$79**



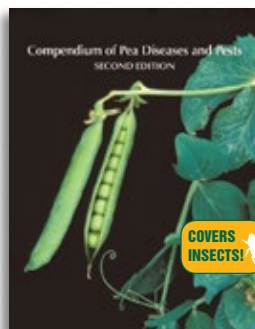
The most comprehensive and authoritative guide to pea diseases available!

Compendium of Pea Diseases and Pests, Second Edition

Edited by John M. Kraft and Frank L. Pfleger

Contributions from worldwide authorities of pea crops make this the most comprehensive, practical guide to pea diseases available. It includes extensive coverage on herbicide and insect feeding injury, fertilizer deficiencies and toxicities, seed vigor, and seed health, as well as information on pea-pathogenic virus and bacterial genomes, and resistance to virus diseases.

2001; 8.5" × 11" softcover; 110 pages; 107 color photographs; 14 black and white illustrations; 2 pounds; ISBN 978-0-89054-269-9; Item No. 42694 • **Print \$79**



A peanut industry standard!

Compendium of Peanut Diseases, Second Edition

Edited by N. Kokalis-Burelle, D. M. Porter, R. Rodríguez-Kábana, D. H. Smith, and P. Subrahmanyam

This popular compendium has become a standard for the peanut industry worldwide. It brings nearly 200 color photographs and authoritative information from 50 experts located on four continents. It covers 55 diseases, recommendations for management, plus sections on beneficial organisms, genetic modifications, listings of disease and insect resistant cultivars.

1997; 8.5" × 11" softcover; 94 pages; 198 color photographs; 81 black and white photographs and illustrations; 2 pounds; ISBN 978-0-89054-218-7; Item No. 4218X • **Print \$79**



A "hot" seller!

Compendium of Pepper Diseases

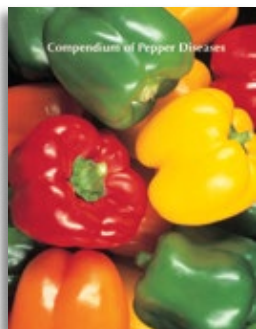
Edited by Kenneth L. Pernezny, Pamela D. Roberts, John F. Murphy, and Natalie P. Goldberg

"...Recommendable for plant pathologists, scientists, crop consultants, commercial growers and amateur horticulturists."

— Acta Physiologiae

A comprehensive guide on the important pepper diseases of the world, this handbook includes 122 color photographs, along with thorough descriptions of pathogens and their management. It also includes sections discussing the botany of pepper, current production practices, and postharvest damage to pepper fruit.

2003; 8.5" × 11" softcover; 88 pages; 122 color illustrations; 6 black and white illustrations; 2 pounds; ISBN 978-0-89054-300-9; Item No. 43003 • **Print \$79**



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Perfect for field staff or advisors!

Compendium of Potato Diseases, Second Edition

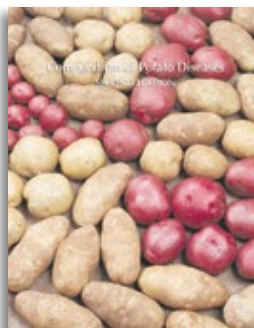
Edited by Walter R. Stevenson, Rosemary Loria, Gary D. Franc, and D. P. Weingartner

"...a valuable source of information for anyone working with potatoes."

—Nematolgia Meditterana

Thorough coverage of diseases and disorders affecting potatoes worldwide has made this resource a global, perennial favorite. Nearly 200 color photographs help users make accurate diagnoses and improve disease control. Also includes diagrams that illustrate symptoms and causal agents of diseases. A must-have tool for anyone studying, diagnosing, and managing potato diseases.

2001; 8.5" × 11" softcover; 144 pages; 193 color photographs; 83 black and white illustrations; 2 pounds; ISBN 978-0-89054-275-0; Item No. 42759 • **Print \$79**



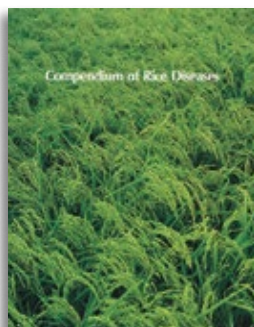
Covers more than 75 rice diseases and disorders!

Compendium of Rice Diseases

Edited by R. K. Webster and P. S. Gunnell

This compendium is a unique resource for those working with rice crops and the diseases that affect it. The technical descriptions and illustrations help users identify and control more than 75 diseases and disorders of rice found throughout the world—both biotic and abiotic.

1992; 8.5" × 11" softcover; 86 pages, 138 color photographs; 2 pounds; ISBN 978-0-89054-126-5; Item No. 41264 • **Print \$79**



Compendium of Rose Diseases and Pests, Second Edition

By R. Kenneth Horst and Raymond Cloyd

"...timeless in its subject matter...this authoritative reference provides up-to-date information for the global community concerned with growing roses."

— Chicago Botanic Gardens

Horticulturists, rose gardeners, and scientists will enjoy the user-friendly format of the second edition. Color photographs of infectious disease symptoms, inset with the text, allows quick understanding of causes, life-cycles, and treatment approaches.

2007; 8.5" × 11" softcover; 96 pages; 151 color photographs; 19 black and white illustrations; 2 pounds; ISBN 978-0-89054-355-9; Item No. 43559 • **Print \$89**



Compendium of Sorghum Diseases, Second Edition

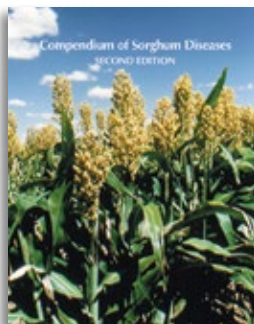
Edited by R. A. Frederiksen and G. N. Odvody

"...anyone who needs to diagnose sorghum disorders or find basic information on diseases, this is the best recent publication available and is recommended in the strongest terms."

— Australian Plant Pathology

Features information and 122 color photographs to prevent, diagnose, and control more than 60 diseases and disorders of sorghum. Special sections cover abiotic disorders due to hot climates and poor soils, beneficial microorganisms, and a reference on insect and mite problems.

2000; 8.5" × 11" softcover; 78 pages; 122 color photographs; 32 black and white illustrations; 2 pounds; ISBN 978-0-89054-240-8; Item No. 42406 • **Print \$89**



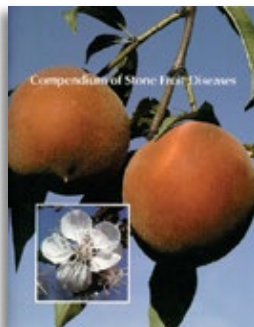
Covers apricots, peaches, nectarines, plums, prunes, and cherries

Compendium of Stone Fruit Diseases

Edited by J. M. Ogawa, E. I. Zehr, G. W. Bird, D. F. Ritchie, K. Uriu, and J. K. Uyemoto

Offers thorough coverage of diseases and disorders that affect the fruits, leaves, wood, and roots of various stone fruit crops, including apricots, peaches, nectarines, plums, prunes, and sweet/sour cherries. Nearly 170 color images allow for easy identification of infectious diseases, as well as physiological, genetic, and nutritional disorders associated with these plants!

1995; 8.5" × 11" softcover; 128 pages; 168 color photographs; 14 black and white illustrations; 2 pounds; ISBN 978-0-89054-174-6; Item No. 41744 • **Print \$79**



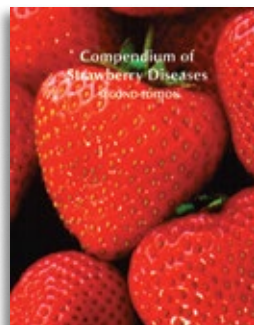
A greater comprehensive treatment of strawberry diseases than any other single reference source!

Compendium of Strawberry Diseases, Second Edition

Edited by J. L. Maas

This comprehensive guidebook has become an industry standard for diagnosing and treating diseases of strawberries. Offers time-tested recommendations covering everything from the diseases affecting the various parts of the plant, to environmental disorders like frost injury, to insect, mollusk, and nematode pests.

1998; 8.5" × 11" softcover; 128 pages; 171 color photographs; 90 black and white illustrations; 2 pounds; ISBN 978-0-89054-194-4; Item No. 41949 • **Print \$79**



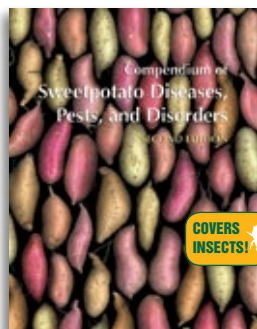
Compendium of Sweetpotato Diseases, Pests, and Disorders, Second Edition

Edited by Christopher A. Clark, Donald M. Ferrin, Tara P. Smith, and Gerald J. Holmes

The second edition contains nearly 325 color photographs (an increase of approximately 250 since the previous addition) depicting the diagnostic symptoms of these diseases and disorders. The insect pest section is completely new. The virus section has been entirely rewritten to reflect the vast progress made in the last 25 years in understanding sweetpotato virus diseases. The nutrient disorder and herbicide injury sections have been completely rewritten and illustrated using photographs of symptoms produced under carefully controlled conditions to ensure complete accuracy. The nematode section has been completely rewritten.

2013; 8.5" × 11" softcover; 160 pages; 317 color images; 2 pounds; ISBN 978-0-89054-410-5; Item No. 44105 • **Print \$119; e-book \$107.10**

**BEST
SELLER**



Compendium of Tobacco Diseases

Edited by H. David Shew and George B. Lucas

Assembles practical knowledge on the nature, identification, and management of tobacco diseases throughout the world. It not only allows growers, students, researchers, and field managers to diagnose the many diseases and disorders of tobacco; it imparts an understanding of how diseases develop within the growing season. An entire section of this book is also devoted to integrated pest management.

1991; 8.5" × 11" softcover; 96 pages; 145 color photographs; 38 figures; 2 pounds; ISBN 978-0-89054-117-3; Item No. 41175
• **Print \$89**



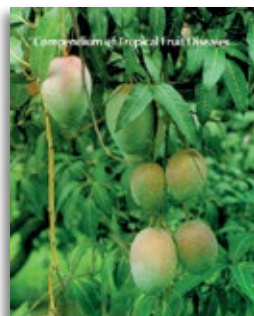
Covers banana, coconut, mango, pineapple, papaya, and avocado

Compendium of Tropical Fruit Diseases

Edited by R. C. Ploetz, G. A. Zentmyer, W. T. Nishijima, K. G. Rohrbach and H. D. Ohr

Fills an important need for quality disease management information on major tropical fruits. More than 45 authors help you identify and control diseases of banana, coconut, mango, pineapple, papaya, and avocado. Each chapter covers a specific fruit's fungal, bacterial, and viral pathogens and their management. An excellent reference for pathologists, agriculturists, and farm managers, and others who work with these important fruits.

1994; 8.5" × 11" softcover; 118 pages; 192 color photographs; 18 black and white figures; 2 pounds; ISBN 978-0-89054-162-3; Item No. 41620 • **Print \$79**



Compendium of Turfgrass Diseases, Third Edition

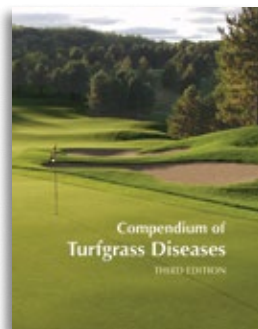
By Richard W. Smiley, Peter H. Dernoeden, and Bruce B. Clarke

"... if you can only afford one plant disease book, this is the one..."

— European Journal of Plant Pathology

Nearly 340 images of diseases and disorders are packed into 167 pages of this completely updated and revised edition, which also includes a new section on fungicide chemistry and application! Nearly 60,000 copies of this popular title have been sold since the release of the first edition!

2005; 8.5" × 11" softcover; 167 pages; 298 color illustrations; 41 black and white illustrations; 2 pounds; ISBN 978-0-89054-330-6; Item No. 43305 • **Print \$89; e-Book \$80.10**

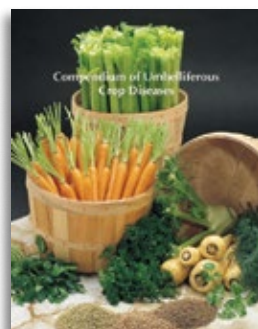


Compendium of Umbelliferous Crop Diseases

Edited by R. Michael Davis and Richard N. Raid

Includes coverage of carrots, celery, parsnips, cumin, coriander, parsley, caraway, and cilantro! In addition to diagnostic and management information, this book provides an overview of the origin and domestication of these crops and breeding for disease resistance. Control measures presented apply to most growing areas of the world.

2002; 8.5" × 11" softcover; 110 pages; 136 color photographs; 16 black and white illustrations and photographs; 2 pounds; ISBN 978-0-89054-287-3; Item No. 42872 • **Print \$89**



Compendium of Wheat Diseases and Pests, Third Edition

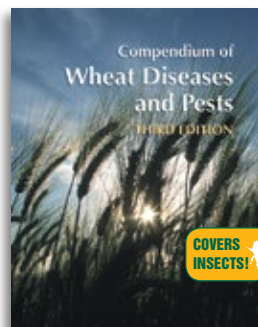
Edited by William W. Bockus, Robert L. Bowden, Robert M. Hunger, Wendell L. Morrill, Timothy D. Murray, and Richard W. Smiley

"...an integral resource for anyone responsible for helping to ensure healthy, productive wheat crop, including growers, crop consultants, and agricultural scientists from every discipline."

—AG Professional

In this latest edition, 70 authors have produced 269 images and 32 new chapters offering thorough coverage of fungal and bacterial diseases; insects, mites, nematodes, and other pests and disorders, such as birds, hail damage, and soil compaction.

2010; 8.5" × 11" softcover; 171 pages; 269 images; 3 pounds; ISBN 978-0-89054-385-6; Item No. 43856 • **Print \$119**



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- Insect, mite, and nematode management
- Weed management
- Management of plant and soil borne pathogens

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Tomato Health Management

Edited by R. Michael Davis, Ken Pernezny, and Janet C. Broome

"This should be available to plant pathologists, crop production specialists, growers, diagnosticians, students, regulatory agents, crop consultants, educators, researchers, extension personnel and others interested in the production of healthy tomato crops."

—Fungal Diversity

2012; 8.5" × 11" softcover; 191 pages; 220 color images; 1 line drawing; 2 pounds; ISBN 978-0-89054-402-0; Item No. 44020 • **Print \$99; e-Book \$80.19**



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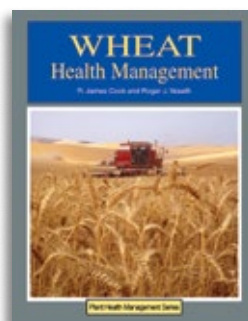
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Wheat Health Management

By R. J. Cook and R. J. Veseth

Covers health management in detail before, during, and after planting, as well as limiting effects of the physical and chemical environment, general principles of pest and disease control, the economics of pest management, limiting effects of pests and diseases, and more!

1991; 8.5" × 11" softcover; 152 pages; 94 color photographs; 83 black and white photographs and illustrations; 1 pound; ISBN 978-0-89054-111-1; Item No. 41116 • **Print \$89**



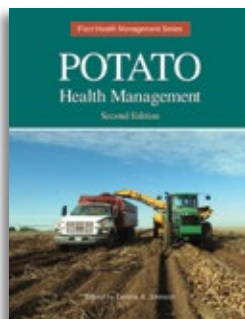
Potato Health Management, Second Edition

Edited by Dennis A. Johnson

"This book is very well illustrated with drawings, schemes and especially with colour photographs. It contains an impressive amount of detailed information and suggestions for the management of potato health throughout all states of potato production for different purposes.... particularly recommended for all those involved in practical aspects of potato production, even outside this area."

—Dr. Nicola Greco, Nematologia Mediterranea

2007; 8.5" × 11" softcover; 272 pages; 149 color illustrations; 47 black and white illustrations; 3 pounds; ISBN 978-0-89054-353-5; Item No. 43535 • **Print \$109**

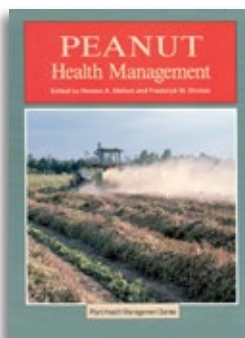


Peanut Health Management

Edited by H. A. Melouk and F. M. Shokes

Virtually every peanut production practice is examined in relation to peanut crop health management. Learn to diagnose, prevent, and control complications caused by weeds, pests, insects, climate, malnutrition, microorganisms and more. This book is ideal for seed and commercial growers, researchers, field consultants, extension specialists, farm advisors, students, and professionals in all aspects of the peanut industry!

1995; 8.5" × 11" softcover; 117 pages; 113 color photographs; 21 black and white photographs and illustrations; 1 pound; ISBN 978-0-89054-203-3; Item No. 42031 • **Print \$89**



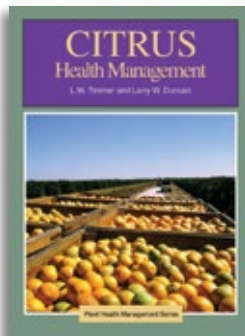
Also see our Compendium of Citrus Diseases on page 12!

Citrus Health Management

Edited by L. W. Timmer and Larry W. Duncan

Integrated Pest Management practices in this book cover orchard establishment, crop production and health, the economics of crop production, and more. Coverage begins at rootstock and scion selection and ends with maintenance of fruit health after harvest. Applying the management methods covered in *Citrus Health Management* will help ensure healthy and profitable citrus crops!

1999; 8.5" × 11" softcover; 197 pages; 90 color photographs; 24 black and white illustrations; 2 pounds; ISBN 978-0-89054-227-9; Item No. 42279 • **Print \$89**



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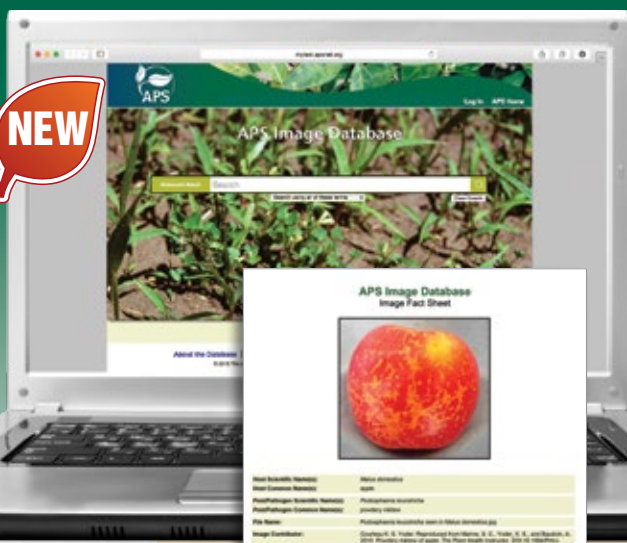
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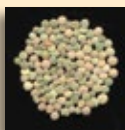
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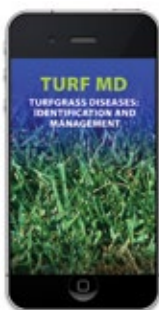
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Tomato MD App

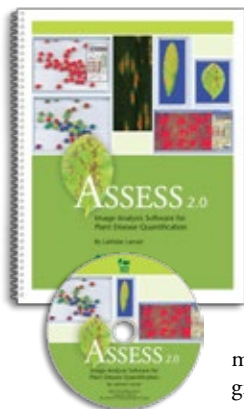
Tomato MD helps gardeners, growers, master gardeners, and extension experts identify and manage nearly 30 key diseases, insects, and physiological disorders afflicting our number one garden crop. The app is rich with images and tips covering everything from cultural to chemical management.

Tomato MD was authored by Margaret McGrath, Gail Ruhl, Michelle Grabowski, Daniel Gilrein, Robert Wick, and Margery Daughtrey. Many others contributed images.

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ASSESS 2.0

By Lakhdar Lamari



This revolutionary Windows-based program helps students, instructors, and researchers quickly quantify disease symptoms on leaves, plant tissue, stems, and literally anything else that can be scanned or imaged—including aerial



These screen shots show instant measurement of plant disease lesions.

field shots. Within seconds, users get a reliable and reproducible measurement of leaf area, disease coverage, root length, lesion count, ground cover, and more. This versatile, easy-to-use software is an excellent complement to practical field and lab exercises involving

disease quantification—and makes learning fun for future plant pathologists, agronomists, plant breeders, and other crop professionals! Assess 2.0 also includes a textbook-quality user manual with nineteen easy-to-follow tutorials.

2008; CD compatible with PC; 2 pounds;
ISBN 978-0-89054-369-6; Item No. 43696

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Search by title or item number, and click the 'preview' tab on the product page.

* Video trim feature works for all DVDs produced after 2009.



Five Major Fungal Diseases of Corn DVD

By Joseph-Alexander Verreet and Holger Klink

Topics included: Common rust (*Puccinia sorghi*), Northern leaf blight (*Exserohilum turcicum*); eyespot disease (*Kabatiella zeae*), gray leaf spot (*Cercospora zeae-maydis*), and fusarium ear rot (*Fusarium spp.*)

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5 Volume Kit: Item No. 42929KIT

Vol 1: 2002; 3 videos; ISBN 978-0-89054-292-7; Item No. 42929

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By Joseph-Alexander Verreet and Holger Klink

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2013; DVD-ROM compatible with PC and Mac; 1 pound;

ISBN 978-08905-4423-5; Item No. 44235 • **\$209**



50 Video Clips of Fungal Diseases of Cereals

Edited by Joseph-Alexander Verreet and Holger Klink

Topics included: Features 50 clips from Volumes 1–4 of *The Biology of Fungal Pathogens* DVD Series

2008; DVD compatible with PC and Mac; 1 pound; ISBN 978-0-89054-362-7; Item No. 43627 • **\$259**



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Diseases and Pests of Sugarbeet Volumes 1–2 DVD Series

Edited by Joseph-Alexander Verreet and Holger Klink



Winner: *Magna Mater Award, International AGROFILM Festival, Scientific and Popular Scientific Films Award, COMENIUS Award*

Topics included: **Volume 1** – *Cercospora beticola*, *Ramularia beticola*, and the beet cyst nematode (*Heterodera schachtii*); **Volume 2** – Rhizomania, root rot, and biologic strategies of root-rotting pathogens

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Volume 1: 2004; 2 DVD Videos; 1 pound; ISBN 978-0-89054-325-2; Item No. 43259

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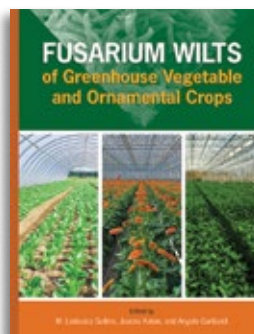


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Fusarium Wilts of Greenhouse Vegetable and Ornamental Crops

Edited by M. Lodovica Gullino, Jaacov Katan, and Angelo Garibaldi

This book focuses on the topic of *Fusarium* wilts in the context of the greenhouse—an agricultural setting that is increasingly prevalent, particularly for high-value crops. *Fusarium* wilts have always presented a challenge to greenhouse growers of vegetable and ornamental crops. The crops in this category are economically important and environmentally significant and their care is vital to our world economy and food supply. The book begins with a current review of the genus *Fusarium*, its biology and epidemiology, genetics, and diagnosis. This includes coverage of improved diagnostic tools that permit better discrimination of the *formae speciales*, a crucial advance that is vital in this century-long battle with *Fusarium*. Management strategies, cultural practices, and genetic approaches for either preventing or containing the disease are covered in depth and provide an integrated arsenal of tactics—from breeding for resistance, to irrigation, to chemical controls. The case studies in the book provide specific discussions of key greenhouse crops, giving the reader applied knowledge for diagnostic and prevention strategies by crop or crop type. Greenhouse growers and those that advise them will gain valuable insight to put into practice right away. The book is a core resource for students, researchers, and extension professionals worldwide.

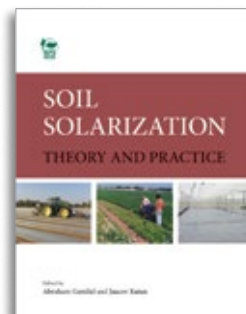


2012; 8.5" × 11" hardcover; 256 pages; 69 images; 4 pounds; ISBN 978-0-89054-401-3;
Item No. 44013 • **Print \$189**

Soil Solarization: Theory and Practice

Edited by Abraham Gamliel and Jaacov Katan

Soil Solarization: Theory and Practice summarizes and updates the vast amount of information on soil solarization made available in the 20 years since the previous book on this topic was published. It provides the reader with an updated and comprehensive view of the solarization concept and its application, including the disinfestation of soils of plant pathogens and pests, innovations in the implementation of integrated pest management practices, and the importance of these technologies in view of changes in the kinds and uses of soil fumigants. It also summarizes new post-plant treatments for controlling plant pests and pathogens and the technology of soil disinfestation in various cropping systems. Soil solarization is a relatively new, nonchemical method of pest and pathogen control by soil disinfestation. It was the environmentally friendly, cost effective answer to the methyl bromide crisis, and through this book, everyone in agriculture can come to understand the benefits of the concept made possible through advances in plastic mulch technology.



2012; 8.5" × 11" hardcover; 280 pages; 42 figures; 3 pounds; ISBN 978-0-89054-418-1;
Item No. 44181 • **Print \$199**

Handbook of Corn Insects

Edited by Kevin L. Steffey, Marlin E. Rice, John All, David A. Andow, Michael E. Gray, and John W. Van Duyen

A perennial aid in reducing corn crop damage and loss, this book covers insect identification, life-history, predators and parasitoids, and pest management procedures. Nearly 270 images and a directory of local information make this resource even more useful!

1999; 8.5" × 11" softcover; 174 pages; 1 pound; ISBN 0-938522-76-0; ©Entomological Society of America and co-published by APS PRESS; Item No. 22760 • **Print \$59**



Handbook of Turfgrass Insects, Second Edition

Edited by Rick L. Brandenburg and Callie P. Freeman

All major insect pests and mites of warm- and cool-season turfgrasses in the United States are addressed. From diagnostics to important chapters on the principles of sampling and monitoring, integrated turfgrass pest management, use of insecticides, insecticide resistance management, classes of pesticides, environmental issues, microbial and biological control, and beneficial and innocuous invertebrates in turf, this book delivers a single-source go-to guide for preventing and solving turfgrass insect problems.

2012; 8.25" × 10.88" softcover; 144 pages; 2 pounds; ISBN 978-0-9776209-4-4; ©Entomological Society of America and co-published by APS PRESS; Item No. 20944 • **\$79.95**



509 pages!

Stored-Product Insect Resource

By David W. Hagstrum and Bhadriraju Subramanyam

"This book is extremely useful for pest management practitioners to improve the quality and reduce the cost of their post management programs."

—Beverage & Food World

This comprehensive pest management tool helps you accurately identify species of bug pests found in grain storage containers worldwide! Includes information on 1,663 insect species, 1,105 commodities and more than 9,200 different insect-commodity associations!

2009; 8.5" × 11" hardcover; 509 pages; 3 pounds; ISBN 978-1-891127-66-3; Item No. 27663 • **Print \$195**



Handbook of Forage and Rangeland Insects

Edited by William O. Lamp, Richard C. Berberet,
Leon G. Higley, and Craig R. Baird

Forage and rangeland crops play host to injurious and beneficial arthropods. This book will help producers, land managers, consultants, extension personnel, researchers, teachers, and students identify these arthropods and to outline methods for managing both beneficial and harmful species.

2007; 8.25" × 10.88" softcover; 188 pages; 254 images; 2 pounds;
ISBN 0-9776209-0-5; ©Entomological Society of America and
co-published by APS PRESS; Item No. 20905 • **Print \$59**



A Practical Guide to Turfgrass Fungicides

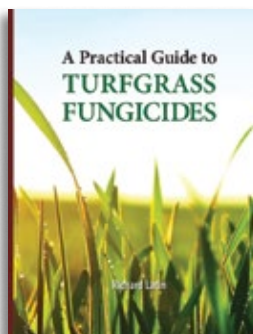
By Richard Latin

"This systematic treatment of fungicides is excellent and will extend the readership in plant pathology and plant protection."

— Journal of Phytopathology

This book describes various approaches to scheduling fungicide applications—based on damage thresholds, days between sprays, and environmental conditions—explaining the advantages and disadvantages of each approach and enabling development of effective strategies and tactics for disease control for more than two dozen damaging turf diseases caused by fungi.

2011; 8" × 10" hardcover; 280 pages; 115 images; 29 chemical structures; 4 pounds;
ISBN 978-0-89054-392-4; Item No. 43924 • **Print \$139.95; e-Book \$125.96**



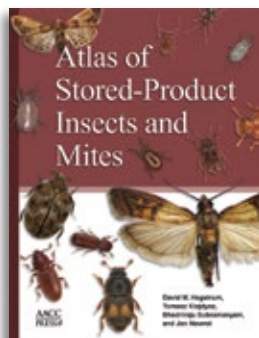
Includes the most comprehensive collection of stored-product insect images ever published.

Atlas of Stored-Product Insects and Mites

By David W. Hagstrum, Tomasz Klejdysz,
Bhadiraju Subramanyam, and Jan Nawrot

No other reference offers such an extensive hands-on guide to the most common stored-product pests. *Atlas of Stored-Product Insects and Mites* includes photographs and summary information for each of the 235 stored-product insect species. Summary information includes common names, synonyms for scientific names, geographic distribution, suitability of commodities as insect food, literature citations for life history studies, and a list of natural enemies. Similar summary information is provided for 280 species of mites (Acari) reported to be associated with stored products.

2013; 8.5" × 11" hardcover; 600 pages; 266 color illustrations; 32 tables; 5 pounds;
ISBN 978-1-891127-75-5; Item No. 27755 • **Print \$199**

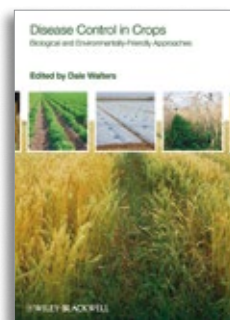


Disease Control in Crops: Biological and Environmentally Friendly Approaches

Edited by Dale Walters

This text examines the various non-chemical approaches to disease control, including biological control methods, host-plant resistance, the exploitation of tolerance, and the use of bacteriophages. This is an essential reference for plant pathologists, microbiologists, plant and agricultural scientists and crop protection specialists, including those working within, and providing consultancy to, the agrochemical industries.

2009; 6.9" × 9.7" hardcover; 266 pages; 3 pounds; Item No. 69479 • **Print \$259**



Diseases of Herbaceous Perennials

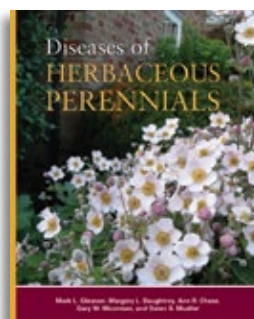
By Mark L. Gleason, Margery L. Daughtrey, Ann R. Chase, Gary W. Moorman, and Daren S. Mueller

"...Professional growers as well as home gardeners will find this book easy to use when diagnosing plant diseases in the green-house or the landscape."

—Journal of Agricultural & Food Information

Common diseases of more than 150 popular perennials are featured in this beautifully illustrated, practical, scientifically accurate reference book! An optional companion image CD contains all 700+ color images from the book for presentations and handouts.

2009; 8.5" × 11" hardcover; 296 pages; 700+ color images; 4 pounds; ISBN 978-0-89054-374-0; Item No. 43740 • **Print \$99**



Fundamentals of Stored-Product Entomology

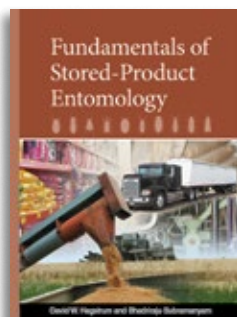
By David W. Hagstrum and Bhadriraju Subramanyam

"...easy to read and understand...will be found very useful."

—Educational Book Review

This essential reference discusses the fundamentals of stored-product entomology that need to be considered when planning, implementing, and evaluating a pest management program.

2006; 7" × 10" hardcover; 300 pages; 22 black and white images; 3 pounds; ISBN 978-1-891127-50-2; Item No. 27500 • **Print \$139**



Mineral Nutrition and Plant Disease

Edited by Lawrence E. Datnoff, Wade H. Elmer,
and Don M. Huber

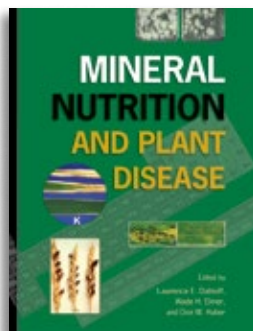
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"Without any doubt this book will serve as an excellent source of useful information for plant physiologists, agronomists, and plant protection specialists as well as for university teachers and students."

—Journal of Plant Protection Research

Successfully combining nutrition and pathology, this book rings the discussion of plant disease diagnosis and management to a new level. A wealth of practical information on disease suppression with fertilizers.

2007; 8.5" × 11" hardcover; 278 pages; 40 color and black and white images; 3 pounds;
ISBN 978-0-89054-346-7; Item No. 43467 • **Print \$99**

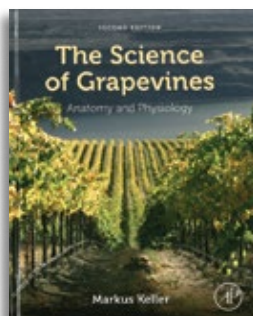


The Science of Grapevines, 2nd Edition

By Markus Keller

This book covers the anatomy and physiology of grapevines and features expert applications in canopy dynamics, yield formation, fruit composition, water stress, nutrient deficiency, extreme temperatures, and more.

2015; 7.75" × 9.5" hardcover; 509 pages; 4 pounds; Item No. 99873
• **Print \$159**



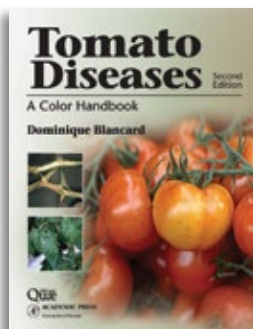
Tomato Diseases: A Color Handbook, Second Edition

By Dominique Blancard

The number of diseases affecting the tomato is enormous: hundreds of bio-aggressors, more than 50 nonparasitic diseases, plus new and alarmingly frequent emerging diseases that are a constant threat to crops, often causing considerable damage.

This book aids in the identification, detection, knowledge, and control of these diseases. With more than 900 color photos, this book is an effective diagnostic tool, allowing the reader to alternate between the observation of the diseased plant, environmental questions, and the prioritization of the differential diagnoses. It includes numerous information sheets detailing the characteristics of most tomato pathogens, geographic distribution, impact on production, types of symptoms, and life history of the plant as well as the range of plant protection and disease resistance measures currently available.

2012; 8.5" × 11" hardcover; 688 pages; 4 pounds; Item No. 77376 • **Print \$209**



New edition of this highly popular title!

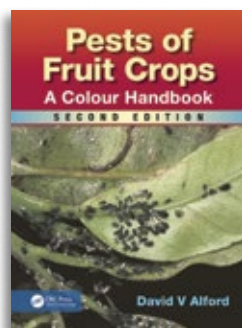
Pests of Fruit Crops: A Colour Handbook, Second Edition

By David V. Alford

This latest edition thoroughly covers insect and mite pests of fruit, hop and nut crops in temperate and subtropical climates. More than 1,150 superb color images are included in this essential reference for consultants, professionals, and scientists specializing in pome fruits, stone fruits, cane fruits, strawberries, bush fruits, hops, grapevines, citrus fruits, nuts, figs, olives, and more.

2014; 8.5" × 11" hardcover; 461 pages; 1,152 color photographs; 4 pounds; Item No. 54204

• **Print \$179**

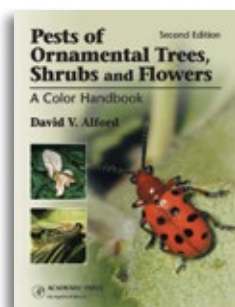


Pests of Ornamental Trees, Shrubs and Flowers: A Color Handbook, Second Edition

By David V. Alford

This beautifully illustrated book is now fully revised and updated to include more than 60 new pests and almost 90 new color photographs, with more than 1,100 in all. The nearly 500-page book opens with a review of the main features of insects, mites, and other major pest groups. The principles of pest control of ornamental plants are discussed, followed by sections on the various pests. Each major order and family is considered in turn, with details of their status, host range, world distribution, diagnostic features, and biology as well as characteristic descriptions of damage.

2012; 7.68" × 10.39" hardcover; 480 pages; 1,150 color photographs, 4 pounds; Item No. 85156 • **Print \$185**



Vegetable Diseases: A Color Handbook

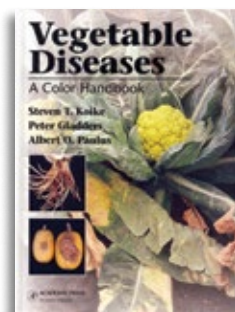
By Steven T. Koike, Peter Gladders, and Albert O. Paulus

"The handbook is for researchers, scientists, technicians and educators in plant pathology and agriculture, as well as practical, field-oriented information of use to farmer, field personnel and the agricultural industry."

—Vegetables West

Each disease entry includes a brief introduction to the disease, detailed description of symptoms, information on the pathogen and disease development, and management suggestions. More than 630 high-quality color photos are also included.

2007; 7.7" × 10.3" hardcover; 448 pages; 633 color images and 5 tables; 4 pounds; Item No. 36758 • **Print \$259**



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