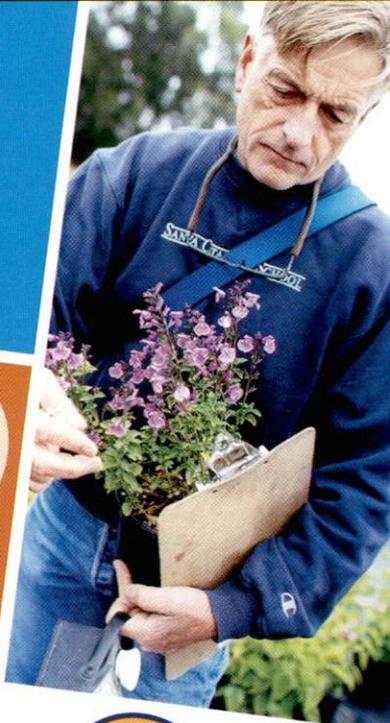


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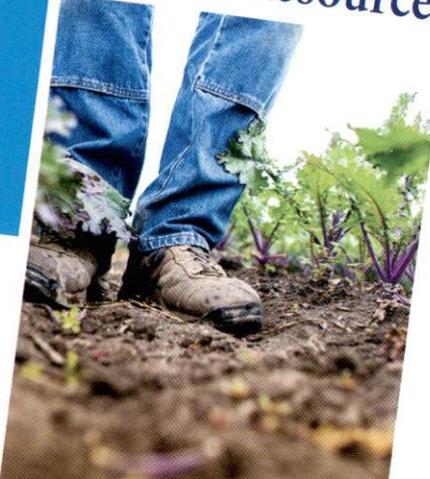
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## California Master Gardener Handbook —Second Edition

Since first published in 2002, the *California Master Gardener Handbook* has been the definitive guide to best practices and advice for gardeners throughout the West. Now the much-anticipated Second Edition to the Handbook is here—completely redesigned, with updated tables, graphics, color photos throughout, and reorganization of information for better ease of use.

Whether you're a beginner double digging your first bed or a University of California Master Gardener, this handbook will be your go-to source for the practical, science-based information you need to sustainably maintain your landscape and garden and become an effective problem solver.

Included is new information on invasive plants and principles of designing and maintaining landscapes for fire protection. Chapters cover soil, fertilizer, and water management, plant propagation, plant physiology; weeds and pests; home vegetable gardening; specific garden crops including grapes, berries temperate fruits and nuts, citrus, and avocados; woody landscape plants, and landscape design. 2015. 756 pp.

3382 ISBN 978-1-60107-857-5 \$37.00 (Paperback)

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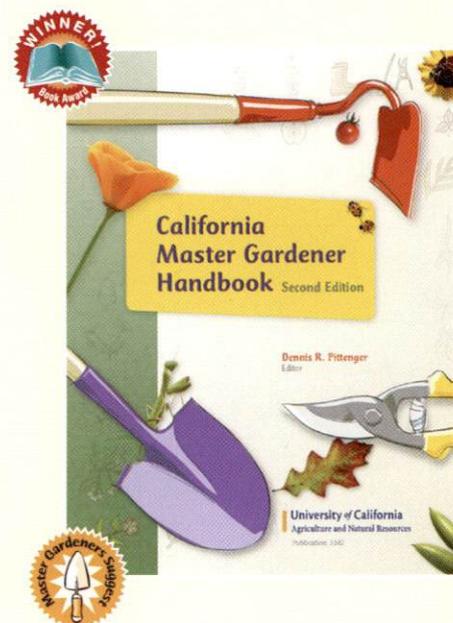
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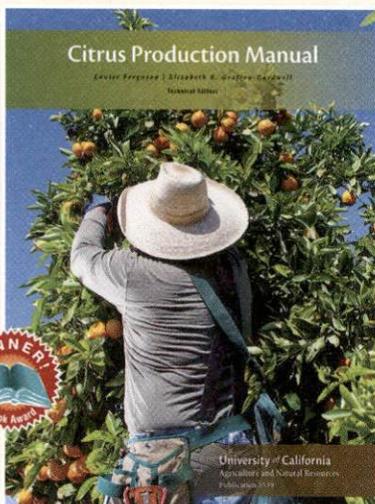
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**NEW!**



**Citrus Production Manual** Page 6

**Fresh Market Caneberry Production** Page 7

**Grape Pest Management, Third Edition** Page 4

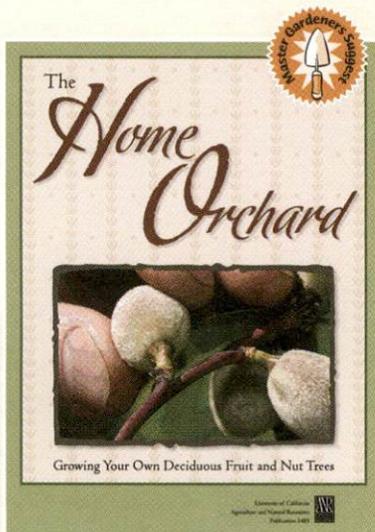
**Healthy, Happy Families** Page 32

**California Bees & Blooms** Page 19

**Beekeepers Handbook** Page 19

**Container Nursery Production and Business Management Manual** Page 20

**Home Orchard: Growing Your Own Deciduous Fruit and Nut Trees** Page 15



Developed especially for backyard orchardists, rare fruit growers, and small-scale growers. See full description on page 3.

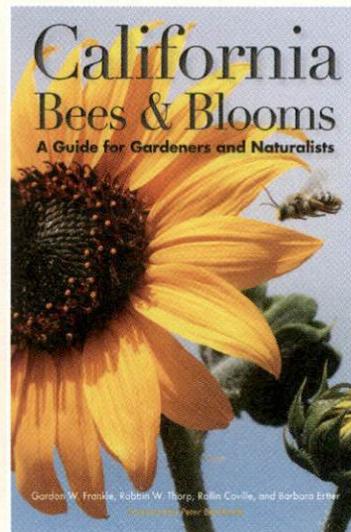
2007. 202 pp.

3485 ISBN 978-1-87990-672-3 \$25.00 (Paperback)

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9025 ISBN 978-1-60107-889-6 \$20.00 (EPUB)

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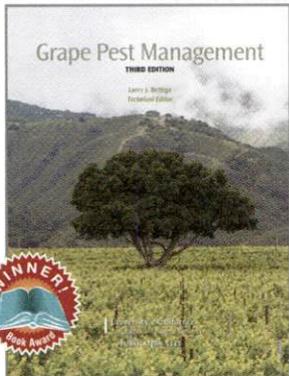


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# Grapes

**NEW!**

## Grape Pest Management —Third Edition



Over 70 research scientists, cooperative extension advisors and specialists, growers, and pest control advisers have combined the latest scientific studies

and research into this handy updated reference. Includes several new invasive species that are now major pests. With nine expansive chapters, helpful, colorful photos throughout, here's more of what you'll find:

- Diagnostic techniques for identifying vineyard problems
- Detailed descriptions and illustrations of more than a dozen diseases and pests
- Regional calendars of events for viticultural management
- Up-to-date strategies for vegetation management
- Nine expansive chapters with helpful, colorful photos throughout

This comprehensive guide is a *must have* for everyone in the grape industry. 2013. 609 pp.

3343 ISBN 978-1-60107-800-1 \$100.00

**Also of interest:**

## Wine Grape Varieties in California

3419 ISBN 978-1-879906-63-1 \$30.00

## Making Table Wine At Home

21434 ISBN 978-1-879906-66-2 \$15.00

## Vineyard Pest Identification and Monitoring Cards

Keep your vineyard healthy with these 50 sturdy, pocket-sized laminated cards, covering 27 common insects and mites, 8 diseases, 6 beneficial insects, and a variety of other disorders, weeds, and invertebrate pests. Includes descriptions and close-up color photographs—244 photos in all. 2001/2012.

3532 ISBN 978-1-60107-736-3 \$25.00 (Cards)

**In Spanish**

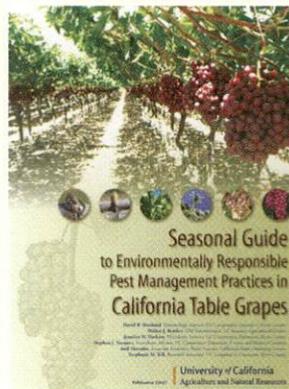
3538 ISBN 978-1-60107-819-3 \$25.00 (Cards)

Save when you buy combination packages of English and Spanish cards! See [anrcatalog.ucanr.edu](http://anrcatalog.ucanr.edu) for details on 3538SET1 and 3538SET2.

**Now available in e-book formats!**

9012 ISBN 978-1-60107-802-5 \$18.00 (EPUB)

9016 ISBN 978-1-60107-802-5 \$18.00 (MOBI/Kindle)



**NEW!**

## Seasonal Guide to Environmentally Responsible Pest Management Practices in California Table Grapes

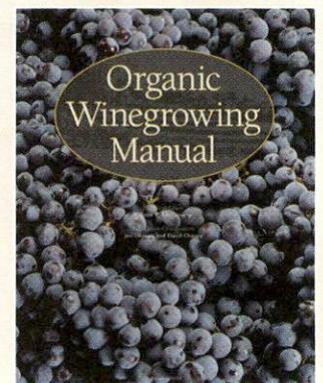
This full color guide is packed with information to help table grape growers make environmentally responsible decisions year-round—without decreasing yield or fruit quality. Printed on sturdy coated paper for durability. 2013. 8 pp.

21647 ISBN 978-1-60107-826-1 \$10.00

## Organic Winegrowing Manual

This full-color guide provides information on practices and considerations for organic and conventional growers alike. Includes information on organic soil management, the roles of compost and cover crops, and a calendar of recommended practices for year-round soil fertility management. Illustrated with 18 tables and 89 figures and photos, including close-up color photographs of important natural enemies and disease symptoms. 2011. 192 pp.

3511 ISBN 978-1-60107-563-5 \$35.00



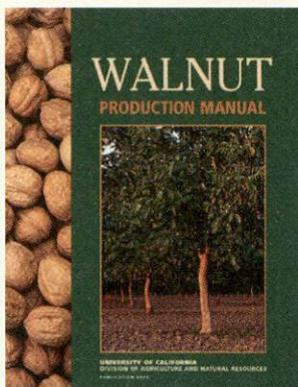
# Nut Crops

## BACK IN STOCK!

### Walnut Production Manual

This is the only comprehensive guide available covering all aspects of English walnut culture. Applicable worldwide, the book provides growers and researchers with a basic understanding of the growth, development, and function of the walnut tree and its fruit. Includes comprehensive information on each crop pest, identification tips, monitoring methods, treatment thresholds, biological controls, and other management techniques. 1997. 329 pp.

3373 ISBN 978-1-879906-27-3 \$65.00



### IPM for Walnuts—Third Edition

Includes comprehensive information on over 90 pest problems, including identification tips, monitoring methods, treatment thresholds, biological controls, and other management techniques. Contains over 200 color photos. 2003. 136 pp.

3270 ISBN 978-1-879906-62-4 \$30.00

### Almond Production Manual

This classic manual's information is practical and suited to every field application. Inside you'll find information on all stages of almond production, from planting and developing new orchards to managing bearing orchards and harvesting and handling the crop. More than 80 color photos. 1996. 294 pp.

3364 ISBN 978-1-879906-22-8 \$49.00

### IPM for Almonds—Second Edition

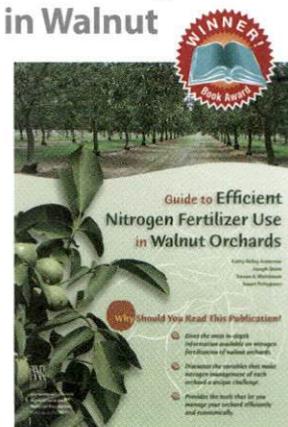
Our best-selling guide for pest management in almonds covers 120 different pest problems including diseases, insects and mites, nematodes, vertebrate pests, and weeds; including 10 new insect pests and diseases including anthracnose, Alternaria leaf blight, rust, tenlined June beetle, and leafhoppers. 2002. 199 pp.

3308 ISBN 978-1-879906-52-5 \$32.00

### Guide to Efficient Nitrogen Fertilizer Use in Walnut Orchards

Discusses the variables that make nitrogen management of each orchard a unique challenge; and provides the tools that let you manage your orchard efficiently and economically. 2006. 19pp.

21623 ISBN 978-1-879906-80-8 \$10.00



## BESTSELLER!

### Tree Fruit Pest Identification and Monitoring Cards

Carry these 32 cards in the field as a handy reference for identifying and monitoring major insect and mite pests, important diseases and natural enemies in California deciduous tree fruits and nuts. Rev. 2005. 32 cards

3426 ISBN 978-1-60107-634-2 \$15.00

**Now available in e-book formats!**

9018 ISBN 978-1-60107-906-0 \$10.00 (EPUB)

9014 ISBN 978-1-60107-906-0 \$10.00 (MOBI/Kindle)



### Coming in 2016 Pistachio Production Manual

Sign up for our e-mail list to be the first to know when it is available at [anrcatalog.ucanr.edu](http://anrcatalog.ucanr.edu)

# Fruit Crops

## IPM for Avocados

Using this guide you'll learn how to prevent and diagnose causes of damage, identify pests and key natural enemies, establish an IPM program for your grove, use biological control and other non-chemical methods, and determine when direct control actions are warranted.

You'll also learn effective ways to manage problems related to irrigation, nutrition, and the growing environment. Illustrated with 386 color photographs and 64 line drawings and charts to

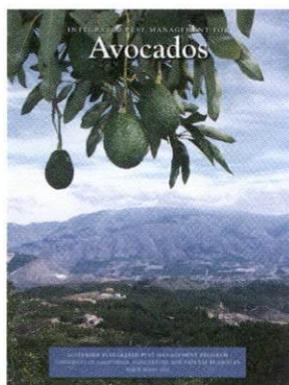
help you identify and manage over 100 important pests and disorders the IPM way. 2008. 222 pp.

3503 ISBN 978-1-60107-420-1 \$35.00

## Imported and American Varieties of Dates in the United States

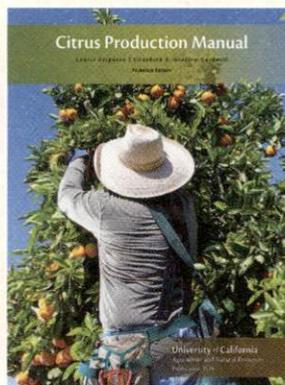
Based on the pioneering work of Roy W. Nixon, the leading American date scientist of the 20th century, and enhanced by up-to-date research of UC and industry experts, this is the first comprehensive account of all of the varieties of dates and the date palm industry in the United States. While written with the California and Arizona commercial grower in mind, growers and palm enthusiasts worldwide will find this an invaluable reference. 2007. 112 pp.

3498 ISBN 978-1-879906-78-5 \$25.00



**NEW!**

## Citrus Production Manual



Over 400 pages of the latest research from 40 UC and industry experts covering botany and physiology, orchard establishment, orchard management, pest management, and postharvest handling. This easy-to-use book also details the latest horticultural and disease issues affecting citrus production in a clear and accessible way. From deciding scion variety and rootstock, to establishing an orchard, to managing production, to postharvest handling, you'll find it all here. Illustrated with the clear, high-quality color photographs, illustrations and charts that you've come to expect from UC ANR publications. 2014. 433 pp.

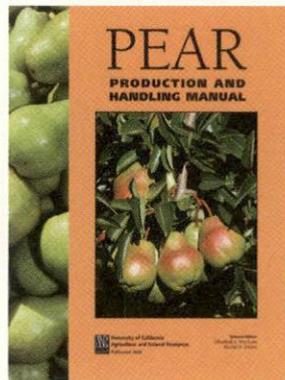
3539 ISBN 978-1-60107-840-7 \$75.00

## IPM for Citrus—Third Edition

Complete with over 550 colored photographs and 80 figures and tables, this guide provides substantial information on more than 150 pest insects, mites, diseases, weeds, nematodes, and vertebrates. Look for brand new sections on Asian Citrus Psyllid, Citrus Leafminer, Glassy-Winged Sharpshooter, and more. Inside are more detailed figures to help distinguish between pests, 21 new pests and 11 new diseases and disorders, a new section on exotic diseases, and an index for quick and easy searching. Information on physical disorders, production problems and harvest related problems are also covered. 2012. 270 pp.

3303 ISBN 978-1-60107-696-0 \$40.00

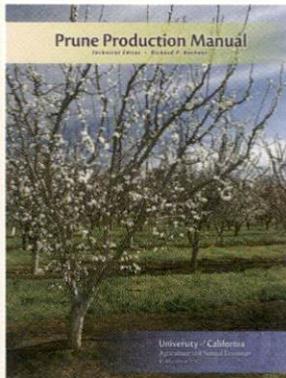
## Pear Production and Handling Manual



Covers orchard management, pear varieties, propagation, rootstock selection, irrigation and fertilization, training, pruning and orchard floor management for pears. Includes extensive sections on pest management, fruit harvesting, storage and handling. 2007. 215 pp.

3483 ISBN 978-1-879906-65-5 \$25.00 (Paperback)

9020 ISBN 978-1-60107-884-1 \$18.00 (PDF)



## Prune Production Manual

This easy-to-read manual contains information on understanding soils, varieties, irrigation and fertilization, prune biology, pest management techniques, and a lesson on harvest and postharvest management. Contains more than 300 photos and 56 color illustrations. 2012. 320 pp.

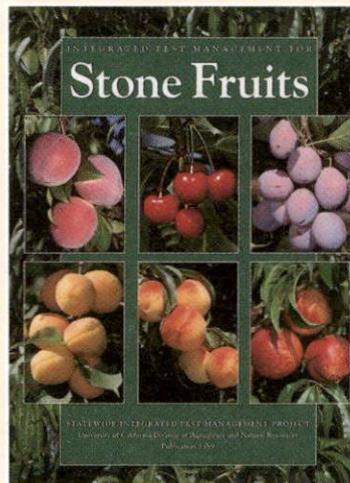
3507 ISBN 978-1-60107-702-8 \$45.00

## BESTSELLER!

### IPM for Stone Fruits

This is the most complete guide available for managing pest problems in apricots, cherries, nectarines, peaches, plums, and prunes. You'll learn how to establish a pest management program, diagnose pest problems, and how to identify and use beneficial insects. 1999. 264 pp.

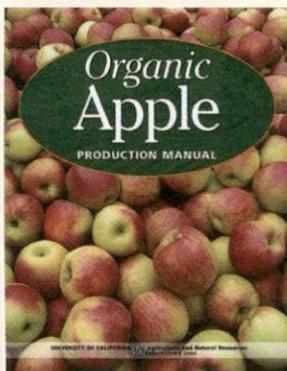
3389 ISBN 978-1-879906-36-5 \$35.00



### IPM for Apples and Pears— Second Edition

1999. 231 pp.

3340 978-1-879906-42-6 \$30.00



### Organic Apple Production Manual

2000. 72 pp.

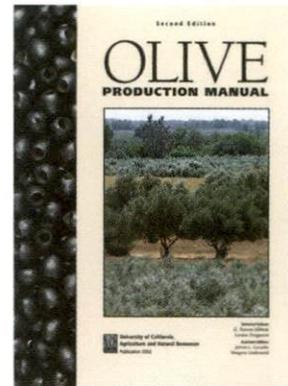
3403 ISBN 978-1-879906-48-8 \$18.00

### Olive Production Manual — Second Edition

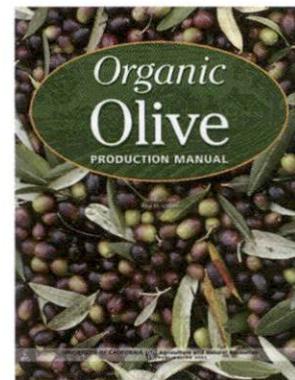
A definitive guide to olive production in California.

Fully illustrated with 40 tables, 19 line drawings, 36 charts, and 100 color and black and white photos. Includes a chapter on deficit irrigation, an expanded chapter on olive oil production, and coverage of olive fly, oleander scale, olive mite, and black vine weevil. 2005. 180 pp.

3353 ISBN 978-1-879906-14-7 \$35.00



### Organic Olive Production Manual



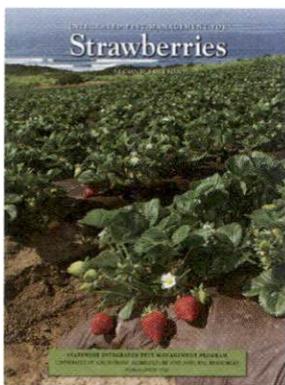
This manual provides information on production issues, plant nutrition, economics, pest and weed control, olive waste management, and will help the transition

from conventional to organic. You'll learn about orchard site selection considerations, irrigation needs, terrain, temperature, soil, damage from the olive fruit fly, and how these may vary for table fruit versus fruit for oil production. 2007. 112 pp.

3505 ISBN 978-1-60107-440-9 \$18.00

# Berries

## IPM for Strawberries, —Second Edition



Using this manual you'll learn how to prevent and diagnose causes of damage; identify pests and key natural enemies; establish an IPM program for your field; manage problems

related to irrigation, nutrition, and the growing environment; and determine when direct control actions are necessary. This revised manual also includes chapters on strawberry transplant production and managing pests in home garden strawberries.

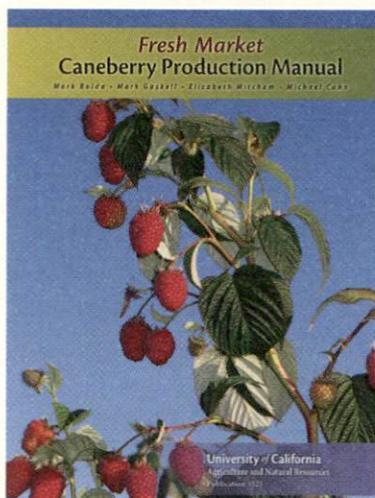
New in the Second Edition:

- 70 additional color photographs
- Colorful line drawings
- A chapter devoted to strawberry nursery propagation and production of bare-root transplants
- Season-by-season list of important management activities
- 8 additional pests and disorders
- An easy to use, comprehensive index

Contains over 100 pages of color photographs and 56 line drawings and charts that will help you identify over 90 important pests and disorders. 2008. 176 pp.

3351 ISBN 978-1-60107-489-8 \$30.00

## Fresh Market Caneberry Production Manual



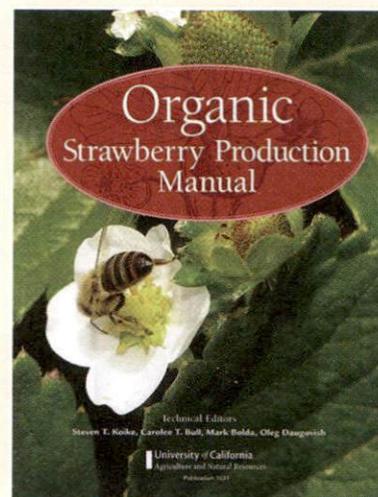
This is the first caneberry production manual designed for western fresh market growers; chock-full of accurate, detailed information on raspberry and blackberry production. Chapters cover plant description and varieties, flowering and fruit production, macro-tunnel and field management, pest management, irrigation, water quality and fertility, training and pollination, harvest methods and post-harvest handling. Includes over 90 color photos, tables and illustrations. With caneberry production on the rise, no Western grower should be without this guide. 2012. 74 pp.

3525 ISBN 978-1-60107-697-7 \$25.00

## Organic Strawberry Production Manual

Strawberries are among the most important fruit crops in California—with organic production on the rise. This useful manual, complete with detailed information on production, disease and pest management, post-harvest handling, marketing, and the organic certification process, will help you feel ready to take on the challenges of organic growing. With more than 100 vibrant photos, 35 informative illustrations and tables, and input from more than 20 University of California researchers and industry experts, this guide is a must-have for all individuals interested or involved in the organic strawberry industry. 2012. 160 pp.

3531 ISBN 978-1-60107-750-9 \$30.00

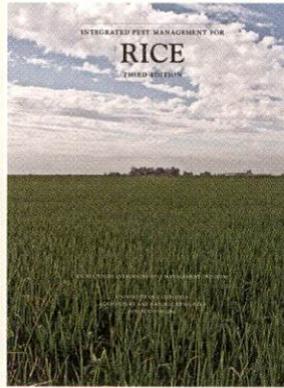


# Small Grains

## IPM for Rice—Third Edition

Written by a collaboration of experts in the field, this detailed manual is designed to help growers apply IPM principles in managing their rice crops using new research and technologies. Includes information on new exotic pests; updated sections on detecting, confirming, and managing herbicide resistance; color illustrations and new photos; updated life cycle illustrations for each disease; and 3 new diseases and 4 new weeds, including Bakanae, Rice Blast, and Red Rice. 2013. 98 pp.

3280 ISBN 978-1-60107-753-0 \$27.00



## Rice Nutrient Management in California

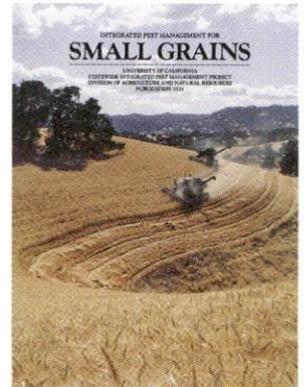
With increasing fertilizer prices, the need to focus on careful nutrient management is greater than ever. This guide walks you through the steps needed to analyze your situation so you can make more informed decisions about nutrient management for your crop. Chapters cover the basics from soil types and how flooding affects soil fertility, to a complete analysis of 7 nutrients along with salinity, pH and other toxicities. Also included is a chapter on nutrient management for organic rice. 2010. 136 pp.

3516 ISBN-13: 978-1-60107-643-4 \$25.00

## IPM for Small Grains

Strategies and techniques for managing weeds, diseases, insects, mites, nematodes, and vertebrate pests. Includes charts, tables, line drawings, and more than 150 color photos. Discusses crop rotations to combat pest problems in other crops. 1990. 126 pp.

3333 ISBN 978-0-931876-91-2 \$22.00



## Irrigated Alfalfa Management for Mediterranean and Desert Zones

2008. 372 pp.

3512 ISBN 978-1-60107-608-3 \$65.00

## Intermountain Alfalfa Management

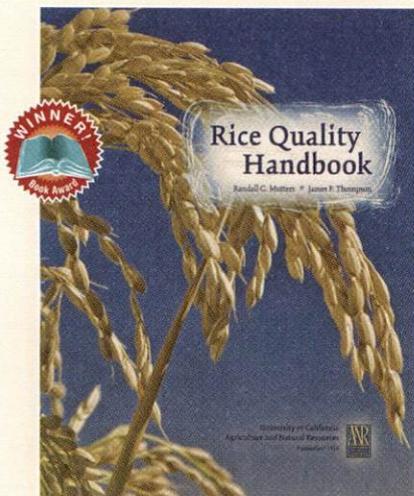
Rev. 1997. 144 pp.

3366 ISBN 978-1-879906-24-2 \$18.00

## Rice Quality Handbook

This manual provides a step-by-step guide to producing high-quality rice from planting to postharvest and contains 39 color photographs, 58 graphs, and 35 line drawings. While written with the Sacramento Valley in California in mind, growers, buyers, and operators of dryers, warehouses, and processing operations worldwide will benefit from this handbook. 2009. 141 pp.

3514 ISBN 978-1-60107-622-9 \$40.00



# Vegetable Production

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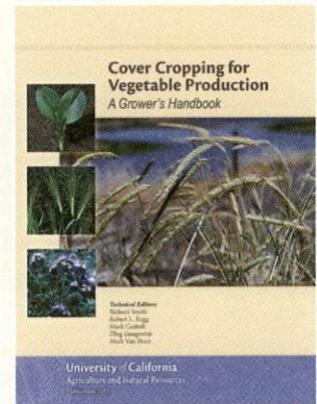
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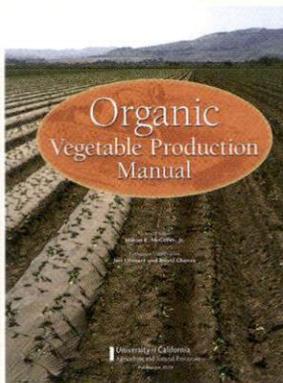
## Cover Cropping for Vegetable Production: A Grower's Handbook

Cover crops are an important tool for vegetable growers to reduce soil erosion, filter water, enhance soil fertility and break the life cycles of plant pathogens and pests. Any grower who relies on cover crops will quickly learn to rely on this handbook's information. Rich with 17 detailed tables and 68 color photos, this is perhaps the most comprehensive, science-based book on cover cropping available. 2011. 90 pp.

3517 ISBN 978-1-60107-679-3 \$25.00



## Organic Vegetable Production Manual



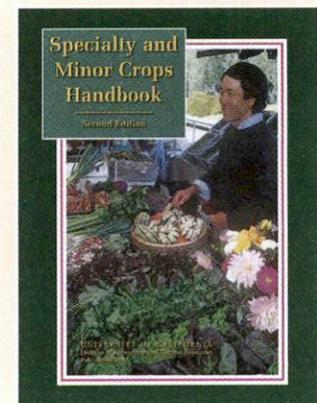
This manual provides detailed information for growers on how to farm vegetables organically, addressing the essential topics for success in this highly competitive marketplace. Chapters cover a range of topics for the organic vegetable farmer: business and marketing plans, economic performance, soil fertility management, managing diseases, weed management, postharvest handling, as well as organic certification and registration in California. Illustrated with 35 color photographs and 21 tables, and has a comprehensive index. 2011. 86 pp.

3509 ISBN 978-1-60107-557-4 \$25.00

## Specialty and Minor Crops Handbook—Second Edition

Handy for commercial producers as well as backyard gardeners, this classic guide for growers and sellers of niche market produce provides detailed information about growing specialty crops that are growing in popularity among consumers. Includes 63 crop sheets – from arugula to radicchio, basil to thyme, prickly pear to tomatillos, variety and heirloom tomatoes. Includes market information, resources, and a glossary of Asian vegetable names. 1998. 184 pp.

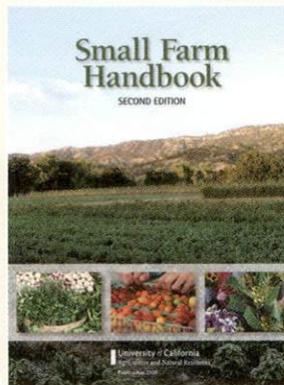
3346 ISBN 978-1-87990-638-9 \$35.00



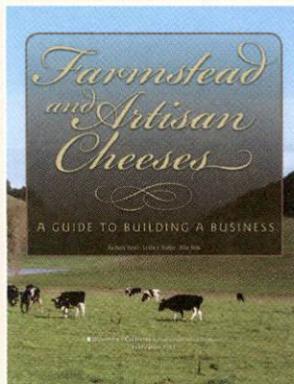
# Small Farms

## Small Farm Handbook —Second Edition

Drawing upon the knowledge of 32 experts from the University of California, no other publication covers topics, issues, and facets of California's small-scale agriculture with this depth or level of expertise. Throughout you'll get a look at emerging trends and issues for California agriculture, marketing and product sales, and innovative methods for better production and management. Also included are profiles of six small farm operators representing a sample of California's diverse agriculture. From the basics to risk management, specialty crops to marketing and product sales, this guide covers it all. 2011. 188 pp.



3526 ISBN 978-1-60107-698-4 \$25.00



## Farmstead and Artisan Cheeses: A Guide to Building a Business

Navigating the start-up of any business is hard work, but cheese making has its own special challenges. While many other publications address cheesemaking itself, this new manual will walk the beginning cheesemaker through the steps necessary to decide if cheesemaking as a business is for them. Chapters cover: evaluating your resources, building a business plan, plant layout and design, designing your marketing strategy, risk management and regulations. 2011. 148 pp.

3522 ISBN 978-1-60107-692-2 \$28.00

*"This is the absolute go-to source for everything related to starting a small-scale creamery. This is the necessary guide for creating a solid business plan and strategy that will endure, evolve and win."*

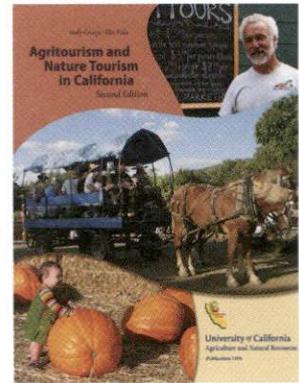
~ David Gremmel, Rogue Creamery, Chairman,  
American Cheese Society, and Ambassador,  
Guilde Internationale des Fromagers

*"This new publication is required reading for any aspiring small-scale cheesemaker. The style of the book is approachable and pragmatic, citing case studies and the experience of individual businesses cheesemakers."*

~ Kate Arding, Co-founder Culture Magazine, Cheesemonger,  
and Cheese Consultant

## Agritourism and Nature Tourism in California, —Second Edition

From bed and breakfasts to U-pick orchards, cooking classes to wine and olive oil tastings, the ever-popular corn maze to school trips, the agritourism arena has



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3484 ISBN 978-1-60107-742-4 \$25.00

## Fundamentals of Beef Management

2006. 140 pp.

3495 ISBN 978-1-879906-73-0 \$18.00

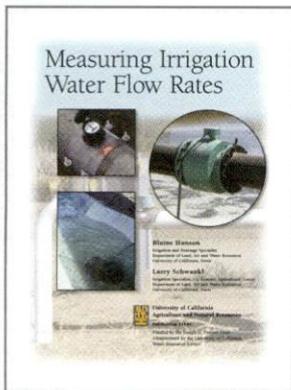
## Handbook for Raising Small Numbers of Sheep

Rev. 2002. 73 pp.

21389 ISBN 978-1-60107-337-2 \$8.00

# Irrigation and Water

## Measuring Irrigation Water Flow Rates



This easy-to-use illustrated manual provides growers and irrigation professionals with information about devices typically used to measure flow rates on farms.

Includes descriptions of the various flow meters, their installation and operation, and the calculations for determining flow rates and amounts of applied water.

Includes formulas for calculating flow rates, and flow rate charts for trajectory, propeller, pipe, and siphon situations and handy tables for calculating flow rates for pipes and weirs. 2009. 54 pp.

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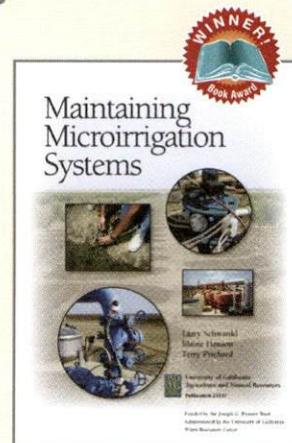
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## Maintaining Microirrigation Systems

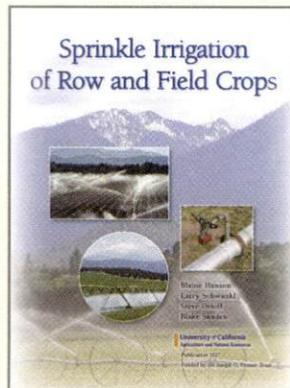
This handy publication discusses the maintenance issues of microirrigation systems that can be used on tree crops, row crops, and trees and vines. Chapters include an overview of maintenance needs, monitoring and water assessment, causes and prevention of clogging, flushing and safety concerns. Also includes methods of preventing root intrusion, soil ingestion, bacterial growth, and backflow contamination. 2008. 53 pp.

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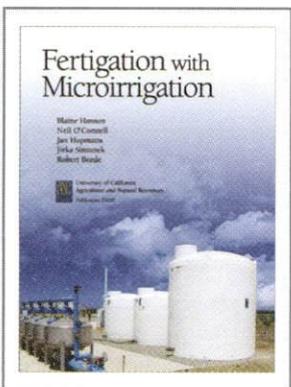


## Sprinkle Irrigation of Row and Field Crops



This manual provides practical information on the design, management, and maintenance of the sprinkle irrigation methods used for irrigating field and row crops, with a focus on hand-move, wheel line, and portable solid-set systems. You'll find discussions of when to irrigate, how much water to apply, how to monitor soil moisture, an overview of uniformity and efficiency, sprinkle lateral design considerations, calculating pressure losses, factors affecting uniformity, and the effect of pressure spacing, as well as evaluating and improving sprinkle irrigation and pump systems.

3527 ISBN 978-1-60107-699-1 \$25.00



## Fertigation with Microirrigation

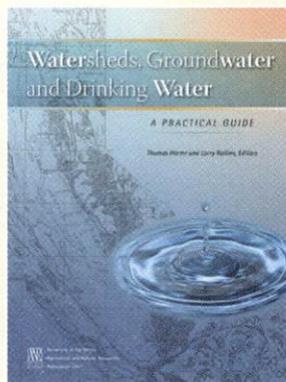
You'll learn about the characteristics of selected fertilizers commonly used for fertigation, long- and short-duration strategies, how to calculate injection rates, frequency considerations, how to apply fertilizers uniformly, mixing considerations, injection devices, and how to prevent backflow. You'll also learn about nitrogen, phosphorus and potassium distribution around drip lines, how and why to inject gypsum, as well as the environmental effects of chemical applications, and how to manage nitrogen to reduce groundwater pollution. 2006. 49 pp.

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## Watersheds, Groundwater and Drinking Water

This handy guide is a “must-have” for environmental scientists, water technicians, educators, and students—to understand and assess water supplies and to define and manage protection areas for water sources. Part 1 covers fundamentals including watershed hydrology, groundwater hydrology, water quality, and water contamination. See full description on page 22. 2008. 274 pp.

3497 ISBN 978-1-87990-681-5 \$40.00



## Agricultural Salinity and Drainage

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3375 \$25.00

## Drip Irrigation of Processing Tomatoes

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## Monitoring Soil Moisture for Irrigation Water Management

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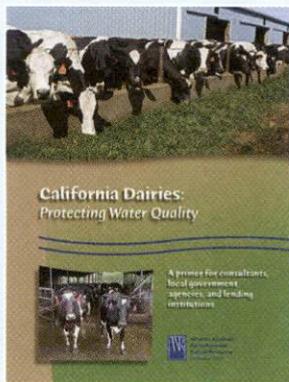
## Surge Irrigation

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3380 \$20.00

## Scheduling Irrigations: When and How Much

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## California Dairies: Protecting Water Quality

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## Drip Irrigation Management

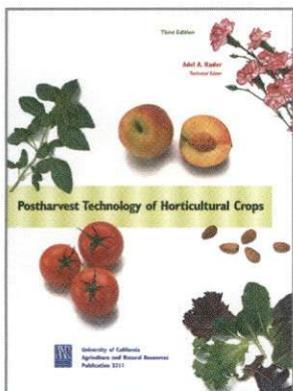
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## Costs of Pressurized Irrigation Systems for Tree Crops

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# Postharvest Technology

## Postharvest Technology of Horticultural Crops, —Third Edition



Applicable worldwide, this is an invaluable resource for anyone involved in the handling and storing fresh fruits, vegetables and ornamentals. Learn about

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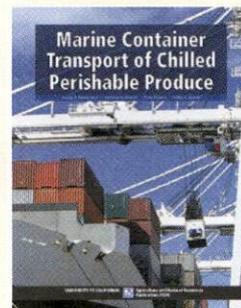
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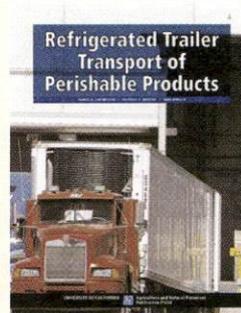
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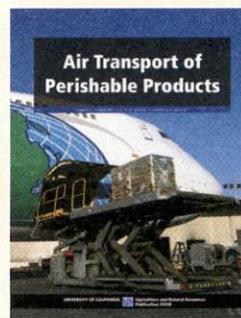
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### Air Transport of Perishable Products

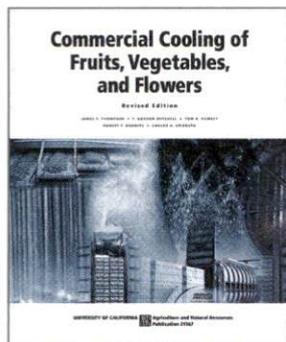
Learn about the services provided by freight forwarders, the advantages and disadvantages of using air transport, and how to effectively use air freight to transport your products. 2004. 22 pp.

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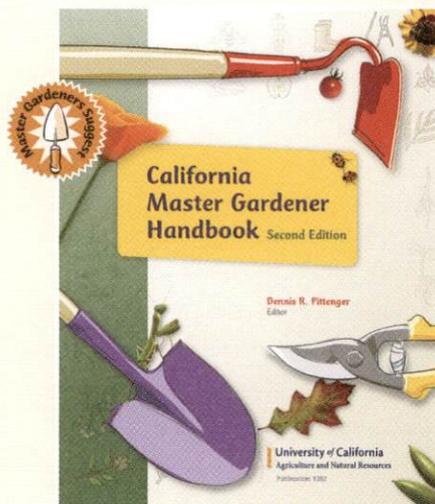
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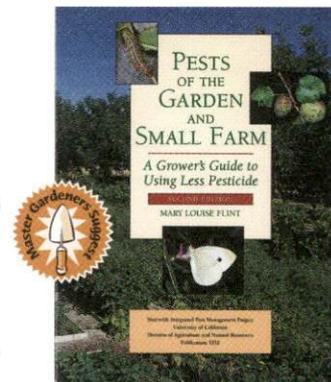
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fruit and nut trees and vegetables using the IPM approach of making minimal use of broad-spectrum pesticides; the methods recommended here rely primarily on organically acceptable alternatives. Crop-by-crop symptom identification tables guide you quickly to the information you need. More than 250 color photos and 118 drawings help you diagnose problems and find solutions. 1998. 276 pp.

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## BESTSELLER!

### The Home Orchard: Growing Your Own Deciduous Fruit and Nut Trees

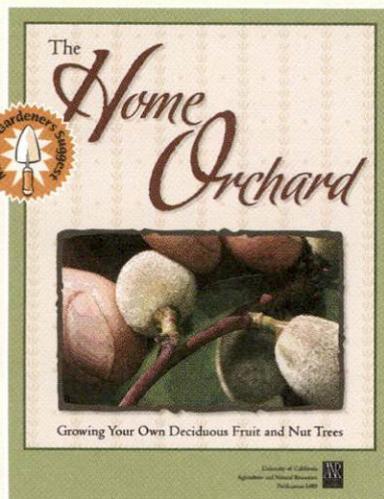
Developed especially for backyard orchardists, rare fruit growers, and small-scale growers, *The Home Orchard* offers an insiders look at both standard growing methods and unique innovative practices. 2007. 202 pp.

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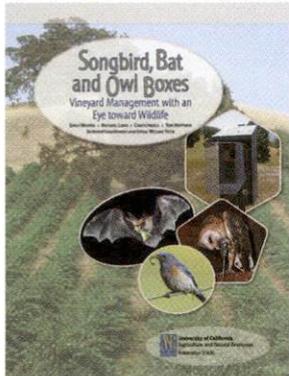
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# Garden and Landscape

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Explore the benefits of the biodiversity and the beauty of songbirds, bats, and owls with this handy guide. You'll learn about

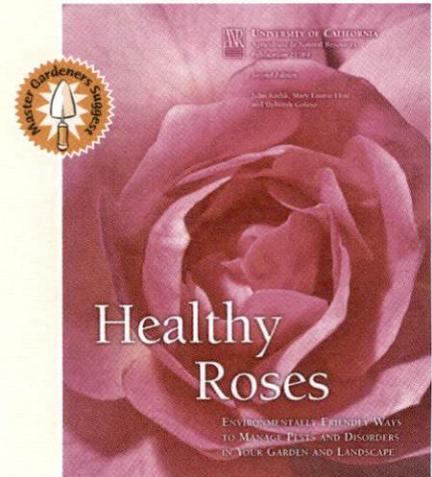
“win-win” ideas and methods for integrating nest boxes with vineyard management, biology and habitat requirements, details on construction and maintenance, literature sources, and online resources where you can get more information. While written with grape growers and vineyard managers in mind, anyone interested in learning about nest boxes will find this guide useful. Illustrated with 30 color photographs, 14 figures, and tables. Includes patterns for building your own boxes and advice on where to place your boxes for best results. 2008. 51 pp.

21636 ISBN 978-1-60107-485-0 \$15.00

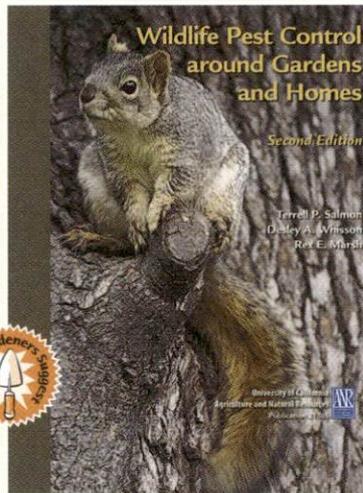
## Healthy Roses: Environmentally Friendly Ways to Manage Pests and Disorders in Your Garden and Landscape —Second Edition

In this best-selling guide, you'll learn about cultural practices, establishment, irrigation, soil and nutritional requirements, pruning, how to identify problems, take action when appropriate, recognize beneficial insects. Illustrated with 50 color photographs and includes handy tables on soil pH and nutrient levels. 2009. 35 pp.

21589 ISBN 978-1-60107-672-4 \$10.00



## Wildlife Pest Control around Gardens and Homes —Second Edition

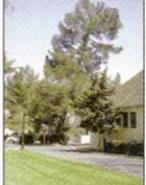


Operating under the premise that it is the activity, not the species, that defines the pest, this handy guide will help you determine whether a control method is necessary—and then offers management and control options. The information presented is in keeping with the principles of integrated pest management and offers the widest range possible of both preventive and population reduction methods for common bird, mammal and reptile pests. From cliff swallows to rattlesnakes, bats to voles, deer to woodpeckers, this volume will help you identify, appraise, and monitor your wildlife pest situation. 2006. 122 pp.

21385 ISBN 978-1-879906-67-9 \$25.00

### RECOGNIZING TREE HAZARDS

A Photographic Guide for Homeowners



## Recognizing Tree Hazards: A Photographic Guide for Homeowners

Protect your landscape investment by learning how to recognize tree hazards. This photographic color guide illustrates seven of the most common structural tree defects that often lead to tree failure, including lean, multiple trunks, weakly attached branches, decay, and cracks. With this guide in hand, you should be able to conduct a basic inspection to determine whether any of your trees is a hazard. Includes 27 color photographs. 1999. 10 pp.

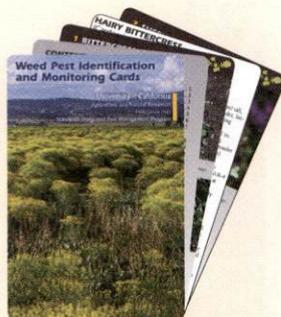
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Based on the bestselling *Weeds of California and Other Western States*, this is the perfect pocket-sized companion for anyone working in the field. Each weed is identified by a description and excellent close-up color photographs of various growth stages—187 photos in all. On the reverse of each card is a description of the various growth stages, habitat, distribution and management tips. These 48 cards cover the most common weeds, grouped into 8 categories of the various broadleaf, grass and sedge weeds for easy identification. From pigweed to chickweed, dandelion to bermudagrass, goosegrass to ryegrass, these cards have you covered. 2013. 48 cards.



3541 ISBN 978-1-601078-47-6 \$25.00 (Cards)

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9013 ISBN 978-1-60107-881-0 \$18.00 (EPUB)

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## BESTSELLER!

### Tree Fruit Pest Identification and Monitoring Cards

Carry these handy, pocket-size laminated cards in the field as handy references for identifying and monitoring major insect and mite pests and several important diseases in California deciduous tree fruits and nuts. A description and close-up photographs of important life stages identify each pest. Cards identifying important natural enemies are also included. The information on these 32 cards will help pest control advisers and growers know how and when to look for these pests—both in growing and dormant seasons. Rev. 2005. 32 cards.



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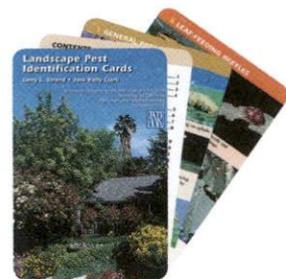
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### Landscape Pest Identification Cards

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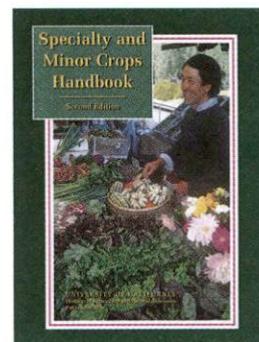
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### Specialty and Minor Crops Handbook—Second Edition

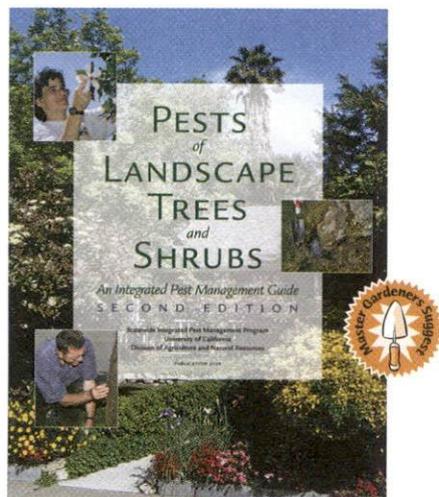
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1998. 184 pp.

3346 ISBN 978-1-87990-638-9 \$35.00



# Landscape Professionals



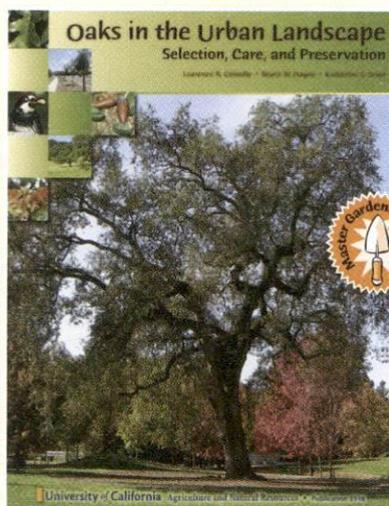
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This is the ultimate guide to managing landscape pests! With this manual in hand you will be able to diagnose and manage hundreds of insect, mite, weed, plant disease, and nematode pests. You'll find information on using environmentally safe IPM methods, landscape designs that prevent pests, selecting resistant varieties, choosing and using less-toxic pesticides, planting, irrigating, and other plant-care activities that help in avoiding problems. Contains over 100 pages of easy-to-use tree and shrub pest tables that will help you identify common problems on over 200 types of trees and shrubs. Includes 432 color photos and 117 drawings and tables. 2004. 501 pp.

3359 ISBN 978-1-879906-61-7 **\$35.00**

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### Oaks in the Urban Landscape

Learn how to effectively select, plant, manage, and protect oaks in urban areas with this full-color reference. See full description on page 22. 2011. 265 pp.

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### Abiotic Disorders of Landscape Plants: *A Diagnostic Guide*

This manual contains a wealth of information to help you diagnose abiotic disorders in landscape plants—disorders caused by environmental, physiological or other nonbiological factors. You'll learn how to diagnose injury symptoms from over 20 abiotic agents including water deficit, nutrient deficiencies, salinity, pH, sunburn, air pollution, herbicide and other chemical phytotoxicities, mechanical injuries, lightning, wind, and hail. You'll also learn how to develop a step-by-step diagnostic strategy. Illustrated with 319 color photographs and 38 tables, this book is a "must-have" for the library of every landscape professional. 2003. 242 pp.

3420 ISBN 978-1-879906-58-7 \$35.00 (Paperback)

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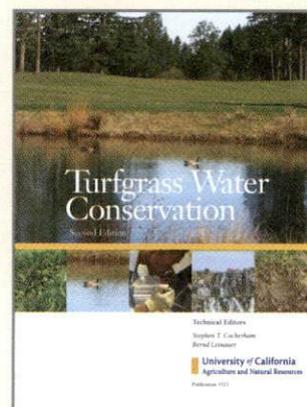
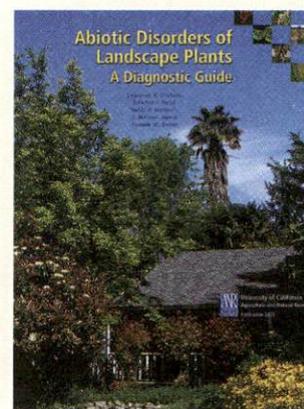
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# Bees and Beekeeping

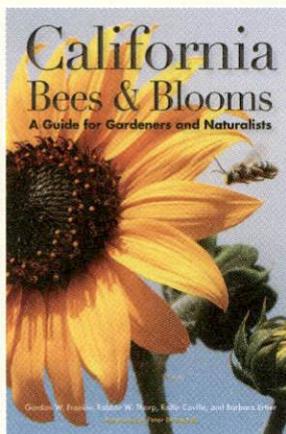
**NEW!**

## California Bees and Blooms: *A Guide for Gardeners and Naturalists*

California is home to over sixteen hundred species of undomesticated bees—most of them native—that populate and pollinate our gardens, fields, and urban green spaces. In this absorbing guidebook from our colleagues at Heyday Press, bee and botany experts from UC Berkeley's Urban Bee Lab introduce us to this diverse population. This guide holds a magnifying glass up to the twenty-two most common genera (and six species of cuckoo bees), describing each one's distinctive behaviors, social structures, flight season, preferred flowers, and enemies. Enhancing these descriptions are dazzling color photographs of bees so finely detailed they capture pollen scattered across gauzy wings and iridescent exoskeletons.

Drawing from years of research, *California Bees and Blooms* presents an authoritative look at these creatures, emphasizing their vital relationship with flowers. In addition to opening our eyes to the beautiful array of wild bees in our midst, this book provides information on 53 bee-friendly plants and how to grow them. 2014. 320 pp.

3546 ISBN 978-1-59714-294-6 \$28.00



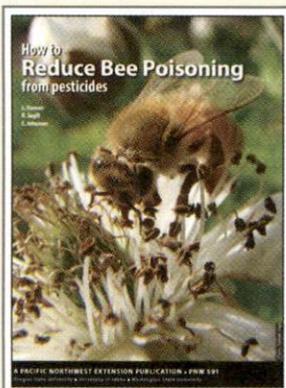
## How to Reduce Bee Poisoning from Pesticides

In California, commercially managed honey bees are used to pollinate over 50 varieties of orchard and field crops. The state's \$1.189 billion almond crop is entirely dependent on honeybee pollination. Some other crops dependent on honeybee pollination include apples, avocados, cherries, cucumbers, melons and sunflowers.

From our colleagues at Oregon State University Extension comes this overview of how a variety of wild and managed bees and their pollination activities are affected by pesticide application. Provides guidelines for how beekeepers, growers, and pesticide applicators can work together to prevent bee poisoning. 2013. 35 pp.

PNW 591

*Free publication that you can download!*



**NEW!**

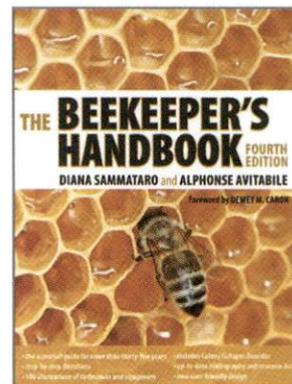
## Beekeeper's Handbook —Fourth Edition

This handbook from Cornell University Press provides step-by-step directions accompanied by more than 100 illustrations for setting up an apiary, handling bees, and working throughout the season to maintain a healthy colony of bees and a generous supply of honey. This book explains the various colony care options and techniques, noting advantages and disadvantages, so that beekeepers can make the best choices for their own hives. You'll find the latest information on Colony

Collapse Disorder, IPM methods, regional overwintering protocols, and procedures for handling bees and managing diseases and pests such as African

honeybees and bee mites. The book explains not only how but also why each step is part of the transformative process that results in the magnificent creation of honey. This essential guide is a beekeeper's most valuable resource. 2011. 308 pp.

3543 ISBN 978-0-80147-694-5 \$30.00

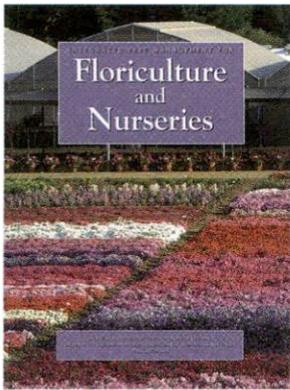


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# Floriculture and Turfgrass

## IPM for Floriculture and Nurseries

Learn about establishing an IPM program for your nursery, techniques for managing pests in 120 major flower



and nursery crops, how good cultural practices can nip problems in the bud, disease control techniques for root and crown decays, vascular wilt diseases, and pathogens infecting flowers

and foliage, as well as how to identify and manage aphids, leafminers, thrips, whiteflies, mites, nematodes and weeds. 2001. 422 pp.

3402 ISBN 978-1-879906-46-4 \$45.00

## Turfgrass Water Conservation—*Second Edition*

Water is often perceived as being wasted on turfgrass. Here you'll learn how to conserve by integrating turfgrass with other landscape uses of water, and how various water qualities, including reclaimed water, can be part of a management plan. Chapters also cover the role of water in modified root zone media and native soils, water management technologies, water depletion, pesticide and nutrient runoff, considerations for construction and management of urban green spaces including parks and golf courses, as well as advances in drought, heat, and salinity stress tolerance. 2011. 164 pp.

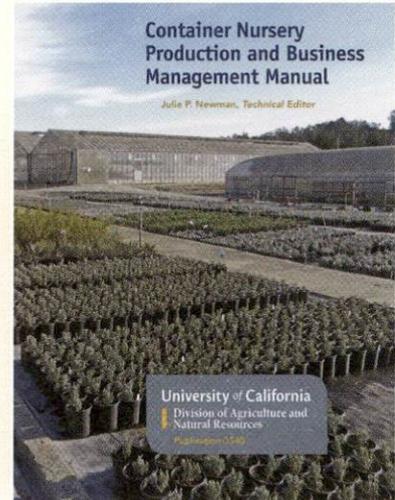
3523 ISBN 978-1-601076-63-2 \$24.00

**NEW!**

## Container Nursery Production and Business Management Manual

This colorful new manual includes research-based information on all aspects of production of landscape plants in commercial nurseries. Twenty chapters in five broad sections cover topics from nursery site selection to crop production, water management to plant propagation, marketing considerations to business and labor management, along with pest, weed, and disease management. The easy-to-use format, plus the photos, tables and clearly written text make this one of the go-to references industry professionals rely upon. 2014. 345 pp.

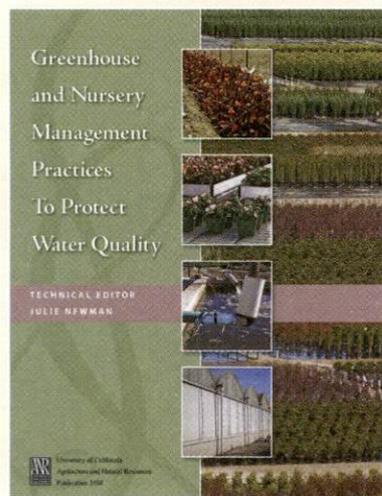
3540 ISBN 978-1-60107-842-1 \$40.00



## Greenhouse and Nursery Management Practices to Protect Water Quality

Specifically developed for managers interested in preventing runoff contamination and groundwater leaching, these suggested management practices will help guide you through your own successful plan of action. Also included is an environmental audit checklist to guide you through management practices that impact the environment, increase your awareness of practices that lessen runoff and leaching, and help you identify areas that may require improvements. 2009. 160 pp.

3508 ISBN 978-1-60107-571-0 \$20.00



# Weeds

**NEW!**

## Weed Pest Identification and Monitoring Cards



These sturdy pocket-sized cards cover the most common weeds, grouped into 8 categories of the various broadleaf, grass and sedge weeds for easy identification. Each weed is identified by a description and excellent close-up color photographs of various growth stages—187 photos in all. 2013. 48 cards.

3541 ISBN 978-1-601078-47-6 \$25.00 (Cards)

*Available in e-book formats!*

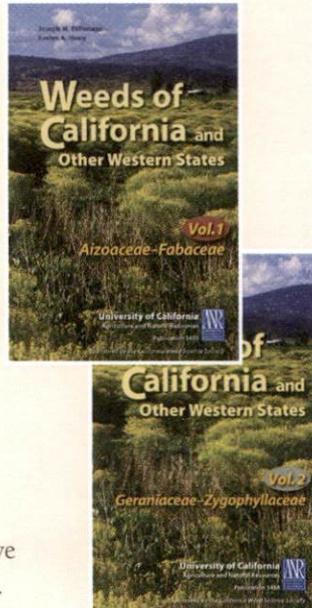
9013 ISBN 978-1-60107-881-0 \$18.00 (EPUB)

9017 ISBN 978-1-60107-881-0 \$18.00 (MOBI/Kindle)

**BESTSELLER!**

## Weeds of California and Other Western States

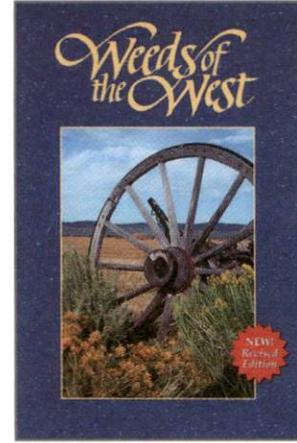
Absolutely everything you'll need to know about weeds is covered in this easy-to-use three-piece set. Covering 262 individual entries, including a full description of 451 species and another 361 plants compared as similar species, representing 63 plant families. Each entry gives the plant's scientific and common names along with a summary of the important aspects of the plant's life cycle, toxicity, methods of reproduction, seed dispersal, germination requirements, seed longevity, early establishment characteristics and requirements, as well as practices and management options that have proven effective/ineffective in controlling infestations. Each entry also contains an in-depth description of the plant throughout its life stages. 2007. V1 848 pp. V2 912 pp.



Includes a PowerPoint CD of all photos from both volumes (over 3,000 images!) ready for presentations.

3488 ISBN 978-1-879906-69-3 \$80.00

## Weeds of the West

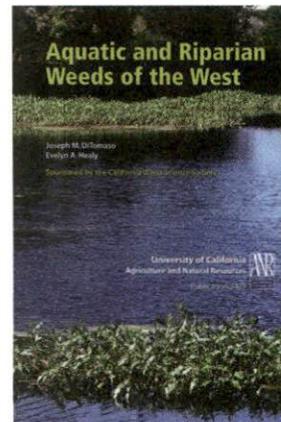


This encyclopedic guide includes 900 color photographs that illustrate and describe more than 350 weed species found in the West. Ninth Edition. 2000. 628 pp.

3350 ISBN 978-0-941570-13-8 \$35.00

## Aquatic and Riparian Weeds of the West

This is a *must-have* field manual for weed control specialists, land managers, water system managers, rice growers, golf course superintendents, and landscape professionals. You'll find over 560 photographs, descriptions of 171 aquatic plant species, comparison and identification tables and keys, as well as an appendix of federally listed noxious weeds in aquatic habitats. 2003. 442 pp.

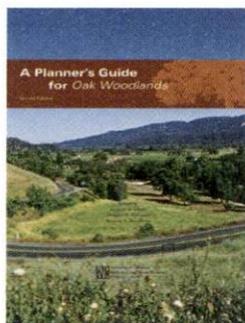


3421 ISBN 978-1-879906-59-4 \$40.00

# Natural Resources

## BACK IN STOCK!

### Planner's Guide for Oak Woodlands



Designed for professional planners, consultants, and landscape architects, this new edition provides science-based information that can guide decision-making.

As more development occurs in the oak woodlands this guide can provide a framework for preserving this icon of the California landscape.

Chapters cover a range of planning and conservation topics including:

- Biology of oak resources
- Wildlife habitat
- Watershed management
- Regional planning
- Mapping resources and modeling risk for improved land use planning
- Ordinances

3491 ISBN 978-1-879906-75-4 \$15.00

### Illustrated Field Guide to Selected Rare Plants of Northern California

This lavishly illustrated field guide contains information on 149 rare plants found in ten Northern California counties; now in a portable format for use on your electronic device in the field. Available only as PDF file by download. 2001. 370 pp.

3395 ISBN 978-1-879906-45-7 \$20.00

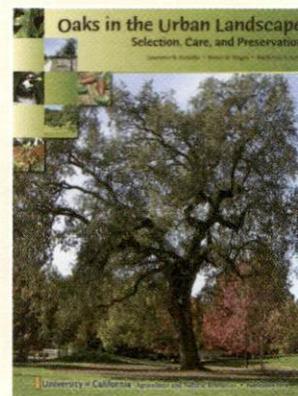
### Oaks in the Urban Landscape

Oaks are highly valued in urban areas for their aesthetic, environmental, economic and cultural benefits. However, significant impacts to the health and structural stability of oaks have resulted from urban encroachment. Changes in environment, incompatible cultural practices, and pest problems can all lead to the early demise of our stately oaks.

Using this book you'll learn how to effectively manage and protect oaks in urban areas—existing oaks as well as the planting of new oaks. Three key areas are addressed: selection, care, and preservation. You'll learn how cultural practices, pest management, risk management, preservation during development, and genetic diversity can all play a role in preserving urban oaks. Arborists, urban foresters, landscape architects, planners and designers, golf course superintendents, academics, and Master Gardeners alike will find this to be an invaluable reference guide.

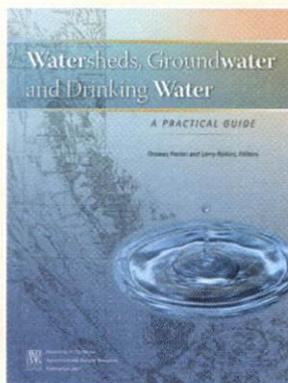
Working together we can help assure that oaks will be a robust and integral component of the urban landscape for years to come.

3518 ISBN 978-1-60107-680-9 \$55.00



### Watersheds, Groundwater and Drinking Water

This is an invaluable aid to help you understand and assess water supplies and to define and manage protection areas for water sources. It can easily be used as text material for educational short courses as well. The chapters in Part 1 cover such fundamentals as watershed hydrology, groundwater hydrology, water quality, and water contamination. Chapters in Part 2 describe tools and background information that are helpful when assessing and protecting individual water sources. While written with the water source needs of Californians in mind, much of the basic information in the guide is applicable to other states as well. Includes 104 figures and 36 tables.



3497 ISBN 978-1-87990-681-5 \$40.00

### Generalized Plant Climate Map of California

3328 \$10.00 Poster 25" x 29"

### Generalized Soil Map of California

3327 \$10.00 Poster 25" x 29"

# Pest Management Guidelines

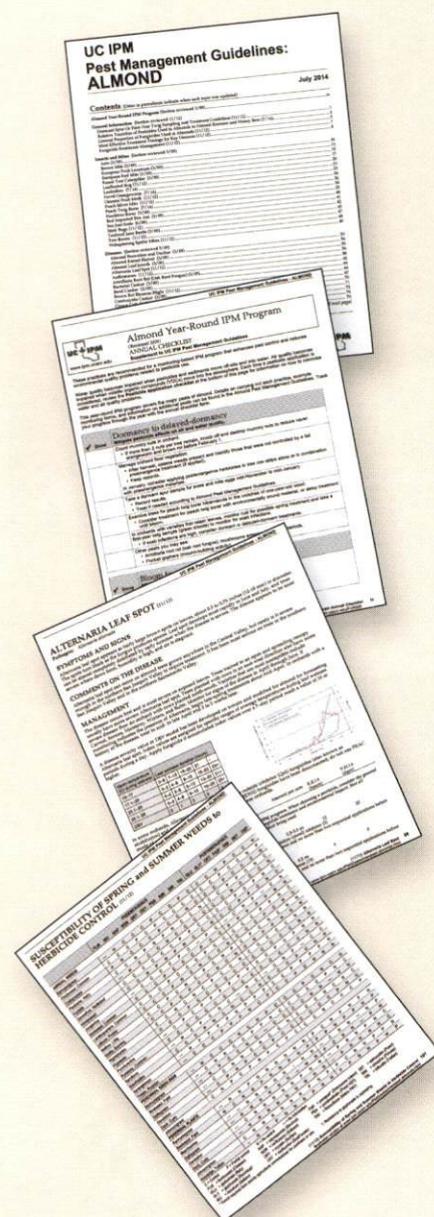
Pest Management Guidelines are available on our Web site, <http://ucanr.org/pmg>, as free downloadable publications. You may access a free online copy of a guideline or purchase a printed copy. Printed guidelines are also available for sale through your local UC Cooperative Extension office. Web-based versions of the guidelines—which include color photos—can also be accessed on the UC IPM Web site at <http://www.ipm.ucdavis.edu>.

Each guideline covers insect, mite, and disease pests for one crop or group of crops. Most also cover nematode and weed pests.

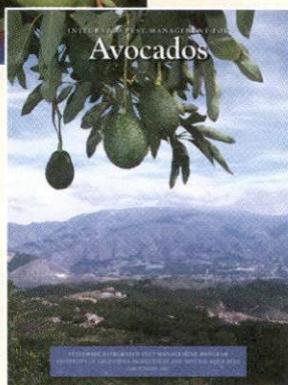
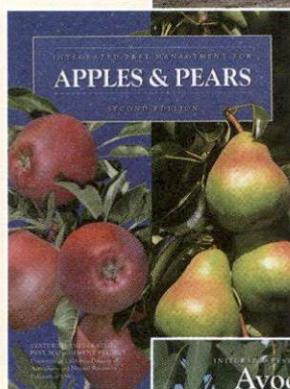
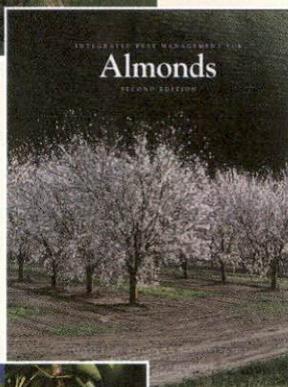
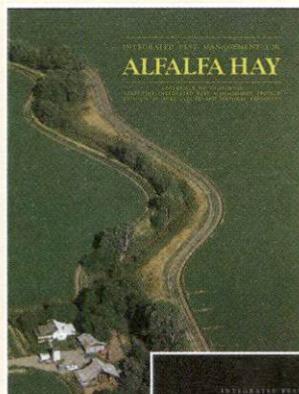
These are the official UC-approved guidelines for pest monitoring techniques, pesticide use, and nonpesticide alternatives for agricultural crops. They are regularly revised and updated—make sure that you have the most current version of the guidelines. On the Web, changes made within the past year to the guidelines are listed on the UC IPM Web site at <http://www.ipm.ucdavis.edu/PMG>

## Guidelines are available for:

Alfalfa	Corn	Pecan
Almond	Cotton	Peppermint
Apple	Cucurbits (Melon, Pumpkin, Squash)	Peppers
Apricot	Dry Beans	Pistachio
Artichoke	Eggplant	Plum
Asparagus	Fig	Pomegranate
Avocado	Floriculture	Potato
Bermudagrass Seed Production	Garlic (NEW)	Prune
Blueberry (NEW)	Grape	Rice
Caneberries (Blackberry, Raspberry)	Kiwifruit	Small Grains (Barley, Oats, Rye, Wheat)
Carrot	Lettuce	Spinach
Celery	Nectarine	Strawberry (English and Spanish)
Cherry	Olive	Sugarbeet
Citrus (Grapefruit, Lemon, Orange)	Onion	Tomato
Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Cauliflower)	Ornamental Nurseries	Turfgrass
	Peach	Walnut
	Pear	



# Integrated Pest Management Manuals



Integrated Pest Management (IPM) Manuals are indispensable tools for growers, consultants, and pest management instructors. Each book presents an ecologically sound IPM approach to solving pest problems.

Inside each volume you'll find comprehensive chapters on insects and mites, pathogens, weeds, nematodes, and vertebrates. We cover each significant pest's identification, biology, and management, along with monitoring methods, treatment thresholds, biological controls, cultural practices, and the selective use of pesticides. You'll also find important information on crop growth and development. The concepts presented are thoroughly explained and illustrated with detailed line drawings and charts and hundreds of the brilliant, high quality, color photographs that users of these manuals have come to expect.

## IPM for Alfalfa Hay

1981. 96 pp.

3312 ISBN 978-0-931876-48-6 \$22.00

## IPM for Citrus

—Third Edition

2012. 270 pp.

3303 ISBN 978-1-60107-696-0 \$40.00

## IPM for Almonds

—Second Edition

2002. 199 pp.

3308 ISBN 978-1-879906-52-5 \$32.00

*"...the highly acclaimed IPM series from the Univ. of California statewide IPM program . . . practical, profusely illustrated, 'must-have' reference."*

~IPMnet News

## IPM for Apples & Pears

—Second Edition

1999. 232 pp.

3340 ISBN 978-1-879906-42-6 \$30.00

## IPM for Cotton in the Western Region of the United States

—Second Edition

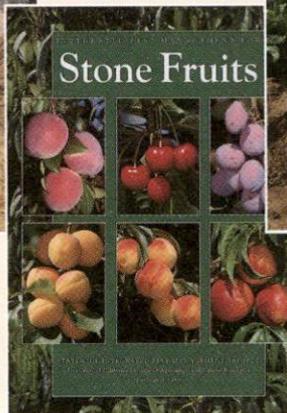
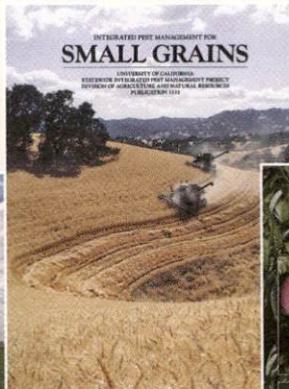
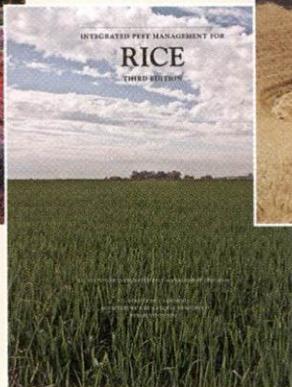
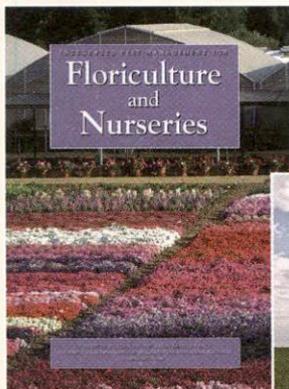
1996. 164 pp.

3305 ISBN 978-1-879906-30-3 \$30.00

## IPM for Avocados

2008. 222 pp.

3503 ISBN 978-1-60107-420-1 \$35.00



**IPM for Floriculture and Nurseries**

2001. 422 pp.

3402 ISBN 978-1-879906-46-4 \$45.00

**IPM for Potatoes**  
—*Second Edition*

2006. 167 pp.

3316 ISBN 978-1-879906-77-8 \$32.00

**IPM for Rice**  
—*Third Edition*

2013. 98 pp.

3280 ISBN 978-1-60107-753-0 \$27.00

*“Beautifully illustrated . . . the color plates alone are worth the price!”*

~CAPCA Newsletter

**IPM for Small Grains**

1990. 126 pp.

3333 ISBN 978-0-931876-91-2 \$22.00

**IPM for Stone Fruits**

1999. 264 pp.

3389 ISBN 978-1-879906-36-5 \$35.00

**IPM for Strawberries**  
—*Second Edition*

2008. 176 pp.

3351 ISBN 978-1-60107-489-8 \$30.00

**IPM for Tomatoes**  
—*Fourth Edition*

1998. 118 pp.

3274 ISBN 978-1-879906-32-7 \$30.00

**IPM for Walnuts**  
—*Third Edition*

2003. 136 pp.

3270 ISBN 978-1-879906-62-4 \$30.00

*“Written in clear, succinct language with a minimum of technical terms . . .”*

~Bulletin of the Entomological Society of America

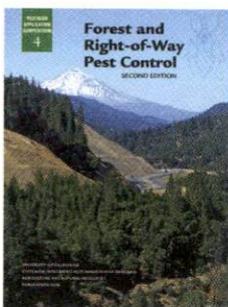
# Pesticide Use, & Safety Training

## REVISED!

### Forest and Right-of-Way Pest Control

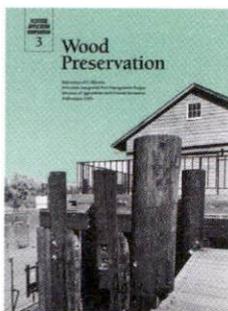
—*Second Edition*

**Volume 4** is a comprehensive guide to using pesticides and other pest control methods in forest and right-of-way situations. This is for anyone who is responsible for pest control in forests, tree nurseries, Christmas tree farms, or along roads, railways, utility rights-of-way, bike paths, and hiking trails. 2013. 340 pp.



3336 ISBN 978-1-60107-830-8 \$35.00

### Wood Preservation



**Volume 3** focuses on safe techniques for using the minimum amount of wood preservation chemicals necessary to protect wood

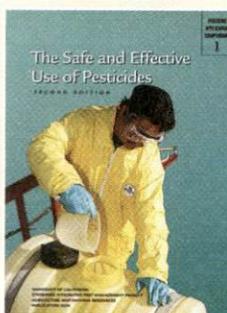
from rot and insect damage, whether in the mill, at local construction sites, or on boats. 1992. 92 pp.

3335 ISBN 978-1-879906-05-1 \$15.00

**UC Pesticide Application Compendium (Volumes 1-9):** These study and reference manuals belong on the bookshelf of anyone who routinely uses pesticides, supervises their use, or instructs others in the proper use of pesticides. Originally written for professionals studying for licensing and certification exams, everyone using pesticides will find them to be invaluable reference tools.

### The Safe and Effective Use of Pesticides

—*Second Edition*



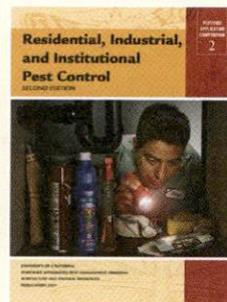
In **Volume 1** of the Compendium, you'll find detailed information on training employees to select, use, handle, store, and dispose of pesticides safely and properly. Emphasizes worker protection, prevention of groundwater contamination, protection of endangered species and wildlife, and reduction of environmental problems. The principles described in this volume apply to all areas of pest control. 2000. 342 pp.

3324 ISBN 978-1-879906-43-3 \$35.00

### Residential, Industrial, and Institutional Pest Control—*Second Edition*

**Volume 2** focuses on managing household, institutional, structural, food, and fabric pests, and on rodents, birds, and weeds. This essential book is for pest control operators, building managers or homeowners. You'll also find information on school IPM programs, including how to select safe and appropriate pesticides for school buildings. 2006. 242 pp.

3334 ISBN 978-1-879906-70-9 \$30.00



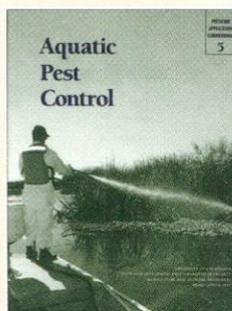
### Plant Growth Regulators

#### *A Study Guide for Agricultural Pest Control Advisers*

Inside you'll find an overview of plant growth regulators and their uses along with specific crops, the specific PGRs used in those crops, and how they are best applied. Included is information on PGRs used with fruit and nut crops, vegetable crops, field crops, citrus, ornamental plants and turfgrass, and grape production. You'll also find a glossary and a series of helpful tables on common chemicals currently used in California as plant growth regulators. This is the recommended study guide for people studying for the California Pest Control Adviser License in the area of plant growth regulators (PGRs). Rev 2003. 45 pp.

4047 ISBN 978-1-60107-418-8 \$10.00

## Aquatic Pest Control



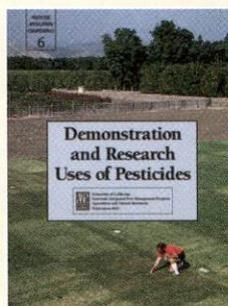
If you oversee a lake, pond, or other aquatic environment—natural or man-made—this guide is for you! **Volume 5** is an easy-to-use reference manual covering diverse aquatic environments. Contains over 150 photos and illustrations, 8 tables and 31 sidebars that expand on important points and provide calculation formulas. At the end of each chapter you'll find review questions similar to those found on the DPR examinations. 2001. 168 pp.

3337 ISBN 978-1-879906-53-2 \$30.00

## Demonstration and Research Uses of Pesticides

**Volume 6** is a thorough guide to using pesticides and pesticide application equipment in a demonstration or research setting, where chemicals generally are applied in much smaller quantities than in commercial use. This is for anyone who works in pest control research, whether in education, government, or the private sector. Available as a PDF file by download only. 152 pp.

9001 ISBN 978-1-879906-64-8 \$5.00



## Landscape Maintenance Pest Control

**Volume 7** is a complete guide to the management of weed, insect, pathogen, and vertebrate pests in turf, landscape, and interiorscape situations ranging from parks and golf courses to indoor malls. Designed for professionals working in the public or private sector, it focuses especially on pesticide handling and important application procedures. Over 200 photos, line drawings, graphs, and sidebars illustrate key concepts and procedures. Study questions are included at the end of each chapter. 2006. 257 pp.

3493 ISBN 978-1-879906-71-6 \$30.00

### See pages 28 and 29

for a complete list of DPR and SPCB exam preparation materials available through ANR.

## Lawn and Residential Landscape Pest Control: A Guide for Maintenance Gardeners

**Volume 8** is for all gardeners who maintain a yard or lawn. Practice questions and answers similar to the questions that will be on the Department of Pesticide Regulation (DPR) test are included. Contains 250 photographs, 104 drawings, and 22 tables. 2009. 219 pp.

3510 ISBN 978-1-60107-560-4 \$20.00

### In Spanish

3510-5 ISBN 978-1-60107-678-6 \$20.00



*Now includes a workbook to help you prepare for the exams!*

## Field Fumigation

**Volume 9** is the official study guide for the field fumigation Qualified Applicator License (QAL) and Qualified Applicator Certificate (QAC) exams conducted by the California Department of Pesticide Regulation. Available as a PDF file by download only. 2009. 121 pp.

9005 ISBN 978-1-60107-632-8 \$5.00

# Pesticide Applicator & PCA Exam Preparation

Study materials for the California Department of Pesticide Regulation's Pest Control Adviser, Qualified Pesticide Applicator License (QAL), and Qualified Pesticide Applicator Certificate (QAC) examinations.

For a complete list of DPR's recommended study materials go to [www.cdpr.ca.gov/docs/license/lictypes.htm](http://www.cdpr.ca.gov/docs/license/lictypes.htm)

## PCA

Laws, Regulations, and Basic Principles, Integrated Pest Management Principles; and All Categories

IPM in Practice, 2nd Ed.

3418 \$35.00

Also see the PCA Helper at [www.ipm.ucdavis.edu/PCA](http://www.ipm.ucdavis.edu/PCA)

## D. VERTEBRATE PESTS

Wildlife Pest Control around Gardens and Homes, 2nd Ed.

21385 \$25.00

## E. WEED CONTROL

Weeds of California and Other Western States

3488 \$80.00

## F. DEFOLIATION

Harvest Aid Materials and Practices for California Cotton

4043e FREE

Available online at [anrcatalog.ucanr.edu](http://anrcatalog.ucanr.edu)

## G. PLANT GROWTH REGULATORS

Plant Growth Regulators

4047 \$10.00

## QAL & QAC

Laws, Regulations, and Basic Principles, and All Categories

The Safe and Effective Use of Pesticides, 2nd Ed.

3324 \$35.00 (QAL, QAC)

## A. RESIDENTIAL, INDUSTRIAL, AND INSTITUTIONAL

Residential, Industrial, and Institutional Pest Control, 2nd Ed.

3334 \$30.00 (QAL, QAC)

## B. LANDSCAPE MAINTENANCE

Landscape Maintenance Pest Control

3493 \$30.00 (QAL, QAC)

## C. RIGHT-OF-WAY

Forest and Right-of-Way Pest Control, 2nd Ed.

3336 \$35.00 (QAL, QAC)

## E. FOREST

Forest and Right-of-Way Pest Control, 2nd Ed.

3336 \$35.00 (QAL, QAC)

## F. AQUATIC

Aquatic Pest Control

3337 \$30.00 (QAL, QAC)

## H. SEED TREATMENT

Seed Treatment

2966 \$1.00 (QAL, QAC)

## J. DEMONSTRATION AND RESEARCH

Demonstration and Research Uses of Pesticides

9001 \$5.00 (QAL, QAC)

Available online at [anrcatalog.ucanr.edu](http://anrcatalog.ucanr.edu)

## K. HEALTH RELATED

Residential, Industrial, and Institutional Pest Control, 2nd Ed.

3334 \$30.00 (QAL, QAC)

## L. WOOD PRESERVATION

Wood Preservation

3335 \$15.00 (QAL, QAC)

## Q. MAINTENANCE GARDENER

Lawn and Residential Landscape Pest Control: A Guide for Maintenance Gardeners

3510 \$20.00 (QAC)

For more information on the DPR exams, including a complete list of suggested study materials (some available elsewhere), or for information on how to apply for the exams, contact your county agricultural commissioner ([www.cdpr.ca.gov/docs/county/comenu.htm](http://www.cdpr.ca.gov/docs/county/comenu.htm)) or DPR's Licensing and Certification Program: Web: [www.cdpr.ca.gov/](http://www.cdpr.ca.gov/) • Department of Pesticide Regulations Licensing and Certification Program: 1001 "I" Street, Third Floor, Sacramento, CA 95814 • Phone: (916) 445-4038

# Structural Pest Control Board Exam Preparation

Study materials for the California Structural Pest Control Board's examinations available from ANR.

## BRANCH 2

### STRUCTURAL PEST CONTROL OPERATOR AND/OR FIELD REPRESENTATIVE

The Safe and Effective Use of Pesticides, 2nd Ed.

3324 \$35.00

## BRANCHES 1 OR 3

### STRUCTURAL PEST CONTROL OPERATOR AND/OR FIELD REPRESENTATIVE

Residential, Industrial, and Institutional Pest Control, 2nd Ed.

3334 \$30.00

## BRANCHES 2 OR 3

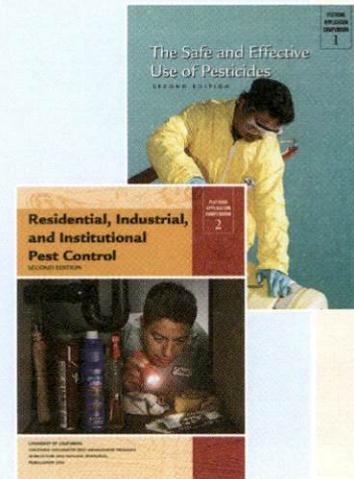
### APPLICATOR LICENSE

Residential, Industrial, and Institutional Pest Control, 2nd Ed.

3334 \$30.00

The Safe and Effective Use of Pesticides, 2nd Ed.

3324 \$35.00



## Supplemental Reading

These ANR books are important references for any pest management professional.

Harvest Aid Materials and Practices for California Cotton

4043e FREE

Available online at [anrcatalog.ucanr.edu](http://anrcatalog.ucanr.edu)

IPM in Practice: Principles and Methods of Integrated Pest Management, 2nd Ed.

3418 \$35.00

Natural Enemies Handbook: The Illustrated Guide to Biological Pest Control

3386 \$45.00

Available online at [anrcatalog.ucanr.edu](http://anrcatalog.ucanr.edu)

Pests of Landscape Trees and Shrubs, 2nd Ed.

3359 \$35.00

Landscape Pest Identification Cards

3513 \$15.00

Plant Growth Regulators

4047 \$10.00

UC IPM Pest Management Guidelines for Agricultural Crops, Floriculture, and Turf

FREE! See complete list on page 23.

Available online at [ipm.ucdavis.edu](http://ipm.ucdavis.edu)

Weeds of the West

3350 \$35.00

Wildlife Pest Control around Gardens and Homes, 2nd Ed.

21385 \$25.00

Weeds of California and Other Western States

3488 \$80.00

Weed Pest ID Cards

3541 \$18.75

UC IPM Manuals

See pages 24 & 25

The Structural Pest Control Board Licenses Structural Pest Control Professionals:

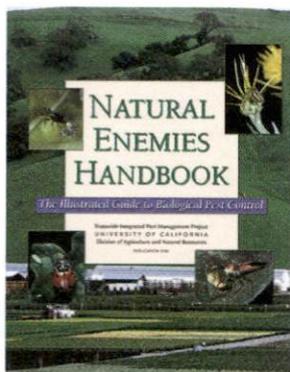
Structural Pest Control Board Licensing

1418 Howe Avenue,  
Suite 18  
Sacramento, CA

[www.pestboard.ca.gov](http://www.pestboard.ca.gov)  
(916) 561-8704

# Additional Study Material

## Natural Enemies Handbook: *The Illustrated Guide to Biological Pest Control*



The Natural Enemies Handbook has endured as the most comprehensive guide to biological control agents ever made available to practitioners. Helps you

identify and understand the biologies of predators, parasites, pathogens, competitors, and antagonists that help control specific insect, pathogen, nematode, or weed pests.

This practical guide helps you identify and understand the biology of predators, parasites, pathogens, competitors, and antagonists that help control specific insect, pathogen, nematode, or weed pests. Illustrated with more than 180 color photographs and 140 line drawings and black and white photographs. DPR test material (QAL and QAC) 1998. 54 pp.

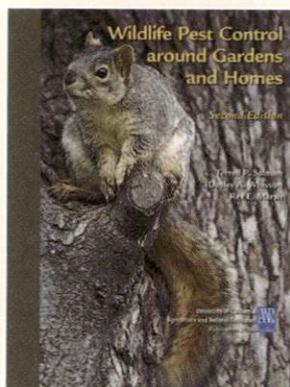
3386 ISBN 978-1-879906-41-9 \$45.00 (Paperback)

**Now available in e-book formats!**

9038 ISBN 978-1-60107-910-7 \$25.00 (EPUB)

9037 ISBN 978-1-60107-910-7 \$25.00 (MOBI/Kindle)

## Wildlife Pest Control Around Gardens and Homes— Second Edition



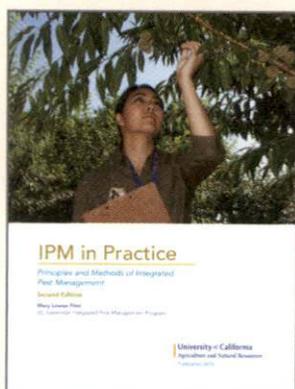
Our indispensable guide to wildlife pests has been completely revised! Operating under the premise that it is the activity, not the species, that defines the pest, this handy guide will help you determine whether a control method is necessary—and then offers management and control options. The information presented is in keeping with the principles of integrated pest management and offers the widest range possible of preventive and population reduction methods for common bird, mammal and reptile pests. From cliff swallows to rattlesnakes, bats to voles, deer to woodpeckers, this volume will help you identify, appraise, and monitor your wildlife pest situation. 2006. 122 pp.

DPR test material (QAL and QAC)

21385 ISBN 978-1-879906-67-9 \$25.00

## IPM in Practice—Second Edition *Principles and Methods of Integrated Pest Management*

This manual from the UC Statewide IPM Program is the most comprehensive, practical field guide ever developed for setting up and carrying out an IPM program in any type of crop or landscape. The second edition features monitoring and management technology updates, new methods for protecting the environment, new information on invasive pests and pesticide resistance, and over 160 color photos and hand-drawn 100 illustrations.



3418 ISBN 978-1-60107-785-1 \$35.00

*“... perhaps the most practical offering to date provides a highly comprehensive, eminently cogent, down-to-earth guide to field monitoring and pest management decision making.”*

~IPMnet News

# Pesticide Safety

## Pesticide Safety:

*A Reference Manual for Private Applicators*  
—*Second Edition*

This manual covers information essential for anyone using pesticides on California farms, including growers, managers, and employees. The book uses a farm profile format to review environmental and human safety topics. Covers pesticide labels, worker safety (handlers and fieldworkers), how to mix and apply pesticides, calibration, the hazards of pesticide use including heat-related illness, and pesticide emergencies.

Appendix includes sample training forms for pesticide handlers and fieldworkers. A great resource for private applicator certification, with review questions in each chapter. Illustrated, easy-to-use format, now available in print format or as a downloadable PDF. 2006. 120 pp.

3383 ISBN 978-1-879906-83-9 \$7.00 (Paperback)

9009 ISBN-978-1-60107-867-4 \$5.00 (PDF)

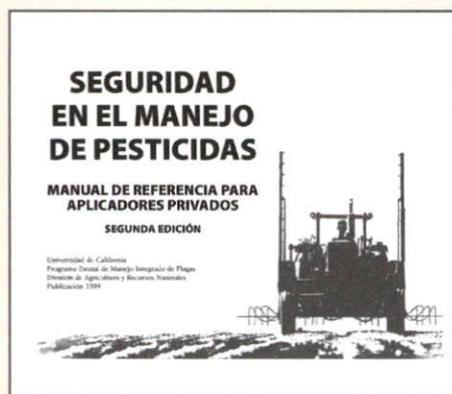
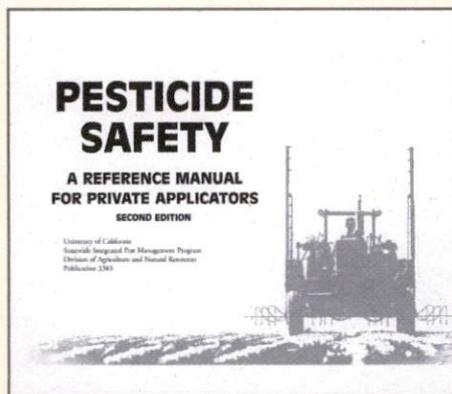
*Also available in Spanish*

**Seguridad en el manejo de pesticidas**—*Second Edition*

2007. 133 pp.

3394 ISBN 978-1-879906-84-6 \$7.00 (Paperback)

9010 ISBN 978-1-60107-868-1 \$5.00 (PDF)

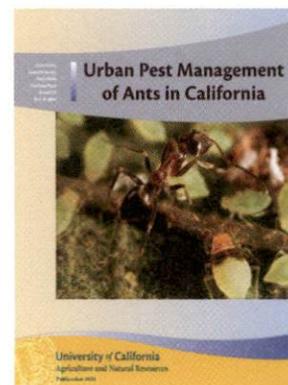


## Urban Pest Management of Ants in California

Ants are among the most prevalent pests in urban areas. They invade households, restaurants, hospitals, offices, warehouses—anywhere they can find food and water. Once established, colonies are difficult to control and present a formidable challenge to the pest management professional.

This new guide will aid pest control professionals in developing more effective, targeted, and greener solutions to urban ant problems. Illustrated with 77 color photographs, the guide covers status, identification and biology, and management strategies for the 4 major urban ant species as well as 16 frequently encountered species. 2010. 72 pp.

3524 ISBN 978-1-60107-664-9 \$20.00



# Nutrition and Healthy Lifestyles

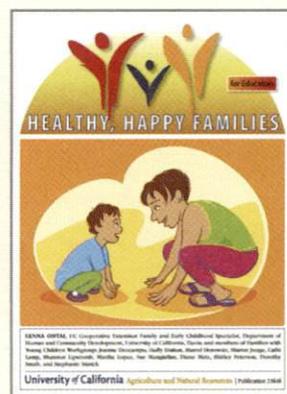
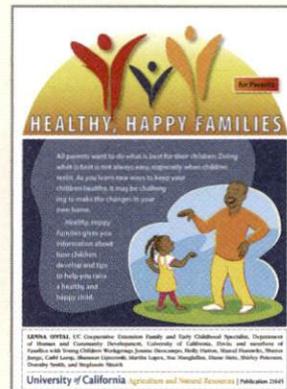
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## NEW!

### Healthy, Happy Families

All parents want to do what's best for their children, but it's not always easy. The Healthy, Happy Families curriculum provides useful information about how children develop, and tips for raising a healthy and happy child. Designed to supplement a nutrition education program for parents, the curriculum is composed of eight mini-lessons to help parents promote healthy eating habits in preschool-aged children including: begin healthy habits early, healthy routines, watching children grow, encouraging positive behavior, child's play, cooking with kids, enjoying family meals, and trying new foods. Each lesson is designed to be 15-20 minutes long and includes fun and easy tips and suggestions so parents can implement their newly-acquired nutrition knowledge at home. When used properly, this program has been shown to significantly improve attitudes towards parenting and feeding children. 2012.



### Healthy, Happy Families—Parent's Edition

Package of ten 20-page parent workbooks.

21645 ISBN 978-1-60107-735-6 \$15.00

### Healthy, Happy Families—Educator's Edition

21646 ISBN 978-1-60107-734-9 \$15.00

### Healthy, Happy Families Set

Includes one educator curriculum and 10 parent workbooks. 21646 SET \$20.00

## NEW!

### Familia sana, familia feliz (Spanish Version)

2014. 20 pp.

Parent workbooks in Spanish, sold in sets of 10.

21649 ISBN 978-1-60107-861-2 \$15.00



## If My Child is Overweight, What Should I Do about It?

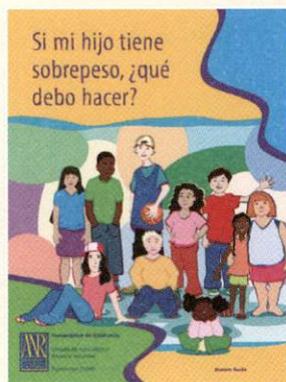
This colorful how-to guide for parents provides helpful, caring advice. Topics covered include how to tell whether your child is overweight, how to help a child avoid overeating, choosing healthy meals and snacks, increasing physical activity, and dealing with self-esteem and stigmatization issues; also includes a guide to healthy food options. Rev. 2004. 28 pp.

21455 ISBN 978-1-60107-338-9 \$5.00

*Also available in Spanish*

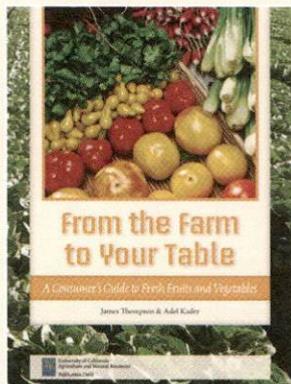
## Si mi hijo tiene sobrepeso, ¿qué debo hacer?

21640 ISBN 978-1-60107492-8 \$5.00



## From the Farm to Your Table:

### *A Consumer's Guide to Fresh Fruits and Vegetables*



Have you ever wondered how to select the best fruits and vegetables at the grocery store, but you weren't sure what you were looking for? This colorful handbook will help you select good-quality, healthy fruits and vegetables that are a vital part of your daily diet. You'll learn why there is more to fruit and vegetable quality than meets the eye and how to handle your fresh produce at home to maintain quality and safety.

You'll also learn how growing and harvesting factors can effect quality and the effect of growing locations and produce handling methods. Handy tables show

you the steps between the field and your table, which fruits and vegetables should be stored in the refrigerator and which should be stored on the counter, and what to look for when selecting produce at the market. After reading this guide you will feel confident picking out your favorite produce items at your local store or farmers' market. 2009. 16 pp.

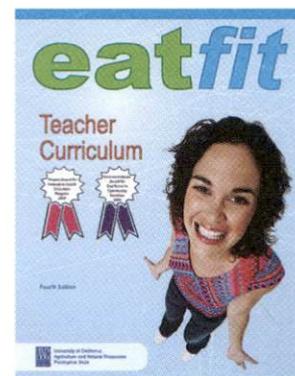
21643 ISBN 978-1-60107-610-6 \$7.00

## BESTSELLER!

## EatFit Teacher's Curriculum —Fourth Edition

Designed to improve the eating and fitness choices of middle school students, it includes 9 lesson plans and enhancements, recipes, educational standards, references, and answer sheets for the EatFit Student Workbook. The curriculum also includes nutrition basics, Web-based diet analysis, and information about energy and calories, label reading, exercise, fast food, the importance of breakfast, and a look at how media can influence food choices and body image. Designed to be used in conjunction with the fun, magazine-formatted EatFit Student Workbook. 2009. 144 sheets.

3424 ISBN 978-1-60107-373-0 \$18.00



## EatFit Student Workbook

This fun, colorful, goal-oriented magazine challenges teens to improve their eating and fitness choices. Designed to be used as a handout when presenting the EatFit Curriculum. Sold in sets of 10. Rev. 2009. 19 pp.

3423 ISBN 78-1-60107-372-3 \$12.00

# Healthy Families

## Parent Express: A Month-By-Month Newsletter for You and Your Baby

This set of fifteen 8-page newsletters has been a perennial favorite. The first three issues offer new parents-to-be ideas on how to prepare your home and yourself for a new baby in the family. Later issues look at the baby's development month-by-month, with tips on nutrition, care, play, and child development to help you understand your baby, plus useful hints on taking good care of yourself along the way.

Rev. 2007. 120 pp.

21634 ISBN 978-1-879906-91-4 \$10.00

Also available in Spanish

## Noticias para los padres: un boletín mensual sobre usted y su bebé

Rev 2008. 120 pp.

21639 \$10.00



## NEW!

## Toddler Express: Newsletters for You and Your Toddler

Children grow in the blink of an eye—but they can't do it alone! Designed for parents of children ages 18 months to 3 years, the Toddler Express newsletter series will help you better understand your toddler and their various stages of development. Learn about and enjoy the wonders of toddlerhood just as your child is experiencing these exciting developmental changes! This is the perfect extension of the Parent Express newsletters, which focus on newborns and infants. Suitable for parenting, child development, and in home-visitor programs at community and health organizations; they can also be used as mailings to clients. Call us for volume discounts.

### Age-paced, printed version

This version consists of 5 printed newsletters organized chronologically by age. Each issue focuses on a different age range of toddlerhood, providing you with valuable information about specific areas of toddler development (thinking, social skills, physical growth, eating, and nutrition). This version is perfect for parents wanting to follow along as their children grow. 2012. 5 newsletters, 8 pages each.

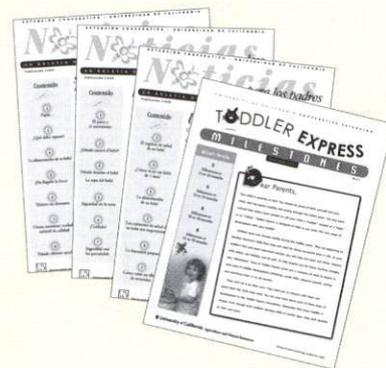
21541T ISBN 978-1-60107-700-4 \$15.00

### Development based, electronic version

The electronic version contains 11 downloadable newsletters, each one focused on a special developmental topic: language, communication, independence, individuality, relationships, development, change, culture and family, child care, play, and school readiness. These newsletters deliver more targeted information on each developmental topic and are perfect for parents looking to learn more about their child's development. 2012. 77 pp.

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9006 ISBN 978-1-60107-823-0 \$10.00 (PDF)



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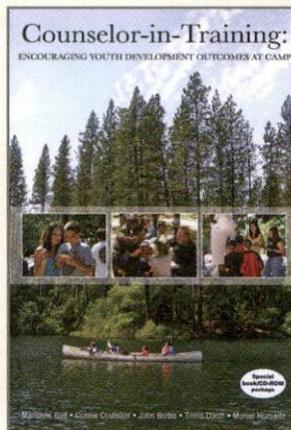


# Youth Development

## Counselor-in-Training: Encouraging Youth Development Outcomes at Camp

This camp manual offers a hands-on, “how-to-do-it” approach in preparing teen Counselors-in-Training (CITs) and adult staff to work with elementary school-age campers. While written with the 4-H program in mind, the material can be used successfully by other agencies in training their CITs. Contains 9 educational sessions, each takes approximately one hour to complete. Each session contains trainer information, an introduction, an icebreaker, an interactive activity that explores the session topic, questions and discussion topics, handouts and training aids, and a fieldwork activity. Published jointly with Healthy Learning. The companion CD contains all of the handouts and training aids so duplication is a snap. 2010. 138 pp.

3521 ISBN 978-1-60679-105-9 \$24.95

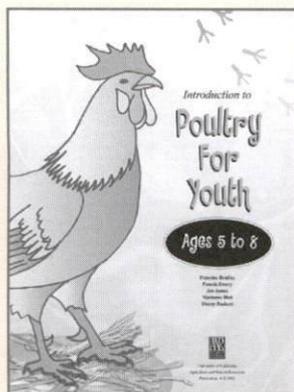


## Creek Watchers: Exploring the Worlds of Creeks & Streams

This book explores the impact that land use near a creek has on the health of plants and animals through learning about street runoff, pollutants, erosion, water quality, water flow, and debris. Readers will also learn how to identify trees found near creeks and how creek organisms adapt to survive in a changing environment. 2001. 89 pp.

21606 ISBN 978-1-60107-357-0 \$8.50

## Introduction to Poultry For Youth-Ages 5 to 8



This fun publication from the California 4-H program provides an outline so that youth can learn about birds by doing. Provides outlines for learning opportunities for youth who do not own birds, as well as materials that can be used with youth who do. Concepts covered in the five sessions include learning how to identify wild and domestic birds, exploring eggs, and understanding numerous human-poultry connections. 2007. 54 pp.

4H-2061 ISBN 978-1-60107-448-5 \$12.00

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### From the Animal's Point of View Series

#### Rabbits: From the Animal's Point of View, Complete (Parts 1 through 5)

*Rabbits: From the Animal's Point of View Series* is a 4H Youth Development curriculum that introduces youth to many aspects of rabbit care. 2009. 127 pp. 8389

#### Swine: From the Animal's Point of View, Complete (Parts 1 through 5)

This curriculum will introduce the many aspects of pig behavior, needs and care to youth ages 9–11 who have an interest in learning about swine but who may have limited or no experience raising livestock. (This is not a guide to raising swine for market or exhibition.)

2014. 118 pp. 8506

#### Sheep: From the Animal's Point of View, Complete (Parts 1 through 5)

This curriculum will introduce the many aspects of sheep behavior, needs and care to youth ages 9–11 who have an interest in learning about sheep but who may have limited or no experience raising livestock. (This is not a guide to raising swine for market or exhibition.)

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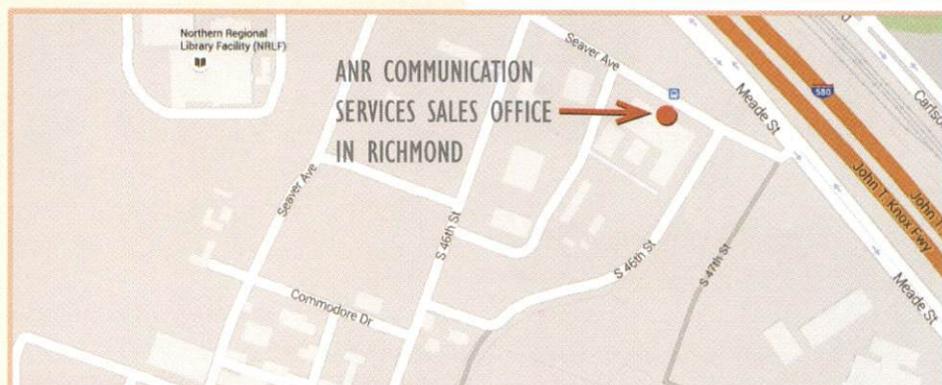
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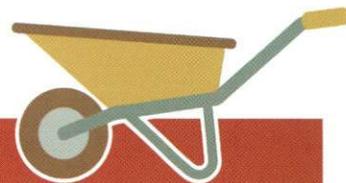
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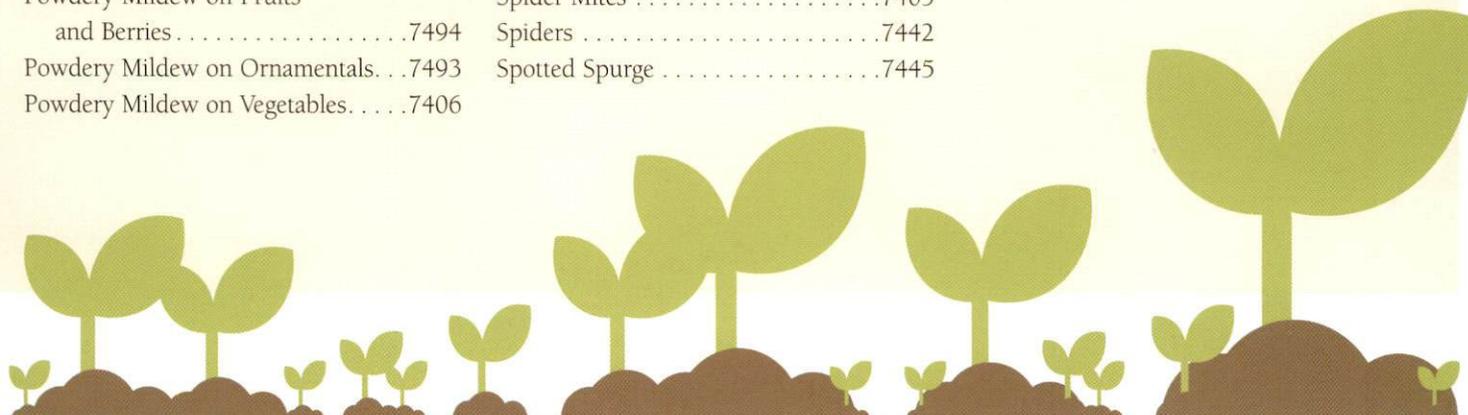


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