

# Helpful Books & Websites

## Table of Contents

(Each section lists books first, then websites)

Section Title	Page
General Information	1
Identify the Plant	2
Identify the Weed	3
Identify the Plant Disease	3
Identify the Insect	4
Identify the Spider	7
Identify the Household Arthropod	7
Invasive Plants	9
Miscellaneous	9

## General Information

### ***Sustainable Gardening*** (OSU publication EM8742)

- This, your trusty MG handbook, is a one-stop source for basic information, and will be better yet if you enrich it with notes from MG training classes
- Chapters 15 and 16 feature problem-solving information, with a one-page summary of a systematic method of diagnosis, as well as a brief Diagnostic Key for common problems of common plants

### ***Sunset Western Garden Book*** (Sunset Publishing Co.)

- Plant encyclopedia with basic how-to-grow-it information
- Of the 24 western gardening zones, the Willamette Valley is in Zone 7

### ***A -Z Encyclopedia of Garden Plants*** (C. Brickell & J. Zuk, editors)

- A plant encyclopedia with basic how-to-grow-it information and more
- Considerably more extensive than *Sunset Western Garden Book*, both in number of entries and amount of detail for each one
- Uses the USDA Zones; the Willamette Valley is in Zone 8

### ***Pruning & Training*** (C. Brickell & D. Joyce)

- May well be the ultimate source for that topic
- Adapted from a British book

### ***Propagation*** (A. Toogood)

- Similar in scope to *Pruning & Training* but, of course, covers plant propagation
- Adapted from a British book, so it sometimes suggests things you might not be familiar with, such as rock wool as media to propagate cuttings

### **OSU Publications**

- Lists all the publications and videos available from OSU
- Search by keyword, title, or publication number. Or use the printed catalog
- *Growing Your Own* is particularly helpful because it lists planting dates for veggies in the four regions of Oregon
- <http://extension.oregonstate.edu/catalog/>

### **Northwest Gardeners eNews** (OSU news releases)

- “A monthly electronic magazine with news and advice about gardening”
- You can subscribe via the link near the upper right
- You can also search the article archive
- <http://extension.oregonstate.edu/gardening/enews/>

### **Sustainable Landscaping: Garden, Lawn & Landscape** (WSU)

- A series which covers a wide variety of topics, among them native plants, drought-tolerant ornamentals, appropriate garden practices, and pest management
- <http://www.spokane-county.wsu.edu/spokane/eastside/Sustainable%20Landscaping/Sustainable%20Landscaping.htm>

## **Identify the Plant**

### ***Trees to Know in Oregon*** (OSU publication EC 1450)

- Pictorial ID keys to native trees and a few common ornamentals
- On the bookshelf in 3 editions (at least in Washington County), each with a slightly different array of information

### ***Trees*** (an Eyewitness Handbook)

Illustrates flowers, leaves, overall form, and often fruits

### ***Shrubs & Climbers*** (an Eyewitness Handbook) is helpful in sorting out shrubs

### ***Weeds of the West*** (OSU publication WEST)

- Your first stop to figure out which weed you have
- Organized alphabetically by plant family, then by the weed’s common name

### ***Plants of the Pacific Northwest Coast*** (Pojar & Mackinnon)

### **Landscape Plant Identification** (OSU)

- Includes numerous woody and herbaceous plants, both natives and introduced ornamentals
- Each plant is described via brief text as well as a series of high-quality color images showing various characteristics of the plant, among them an overall view often followed by close-ups of leaves, flowers, and bark
- <http://oregonstate.edu/dept/ldplants/>

## Identify the Weed

### ***PNW Weed Management Handbook*** (OSU publication WEED; also online)

- Described “as a quick and ready reference of weed control practices used in various cropping systems or site/situations”
- **Warning:** Nearly all the information is for commercial entities.
- The few pages suited for home use are in the section *Integral Weed Management in Home Landscapes and Gardens*. Photocopies of those pages are in the *MG Resources and References* binder, Tab F.
- To locate info for home use in the online version, click on the down arrow following the word “Introduction” near the top of the page, then scroll down to the chapter for home gardens: *Integral Weed Management in Home Landscapes and Gardens*.
- <http://weeds.ippc.orst.edu/pnw/weeds> (See Tab G for detailed information)  
Please don't send this link to clients. Instead, copy and paste the appropriate information.

### **PNW Weed Image Collection** (OSU)

- Weeds listed alphabetically by common name
- One, two or three images for each weed in the list
- <http://uspest.org/pnw/weedimages?weeds/id/index.html>

### **Weed Management in Nursery Crops** (OSU)

- Focused on nursery production but also helpful for MGs
- <http://oregonstate.edu/dept/nursery-weeds/>

### **Weed Science Society of America**

- Photos alphabetical by common name
- <http://www.wssa.net/Weeds/ID/index.htm>

## Identify the Plant Disease

Diagnosing plant disease can be challenging. You'll need to read carefully, then compare pictures with the plant material at hand.

Recall that abiotic disorders are more common than are diseases from fungus, bacteria and virus. To clinch a diagnosis, you may need additional photos and text.

***Abiotic Disorders of Landscape Plants*** (ANR publication 3420, University of California) is the only non-technical, yet thorough, book about this topic

### ***Landscape Plant Problems*** (3<sup>rd</sup> edition; WSU)

- Your first stop to figure out which plant problem you have at hand
- Pictorial diagnostic manual
- Organized alphabetically by the plants' common names
- Sections toward the back show problems common to many plants, such as environmental disorders, common insect pests, common diseases, and common herbicide damage

### ***PNW Plant Disease Management Handbook*** (OSU publication PLANT)

- Organized by common names of plants
- Products recommended for home use are indicated with a boxed-H in both the hard copy and on the website
- **Warning:** If the dosage is oz/A (ounces per acre), pounds/A (pounds per acre) or lb/100 gal (pounds per 100 gallons), the material is for commercial use
- Electronic version is **Online Guide to Plant Disease Control** (See below)

### ***Diseases of Trees and Shrubs*** (Sinclair, Lyon & Johnson)

- Detailed text and high quality photos
- Nation-wide focus, but can be useful to verify tentative diagnoses

### **Online Guide to Plant Disease Control**, electronic version of the *PNW Plant Disease Management Handbook*

- The same text as in the hardcopy *PNW Plant Disease Management Handbook*
- Color photos for some diseases
- This link goes to the Introduction.
- To locate information about a specific plant, left click on Plant Index in the menu at the left, type the plant's common name in the search box, and hit the Enter key
- **Warning:** Home Use chemical are coded with a [H], as in the printed version
- Please don't read dosage rates to clients because the product's formulation and/or label may have been modified after the handbook was published
- <http://plant-disease.ippc.orst.edu/> (See Tab G for complete information)  
**\*\*\*Don't send this link or other links from PNW Disease to clients\*\*\***  
Instead, copy and paste the appropriate information, then delete all commercial-use data

### **Diagnosis by County in Oregon – Arthropods and Plant Diseases** (OSU)

- “Click the county on the map to access the links for plant disease diagnoses and/or arthropod identification data for that county”
- A left click on a county brings up a spreadsheet with itemized entries rather than the usual sort of web page. You can either open the page or save it to your computer to be used at your leisure
- The occasional blue listings are links to one or more photos, sometimes to an information page
- <http://plant-clinic.bpp.oregonstate.edu/counties>

### **Master Gardener Resources** (WSU)

- Lecture outlines and worksheets to supplement Chapters 15 and 16 of *Sustainable Gardening: The Oregon-Washington Master Gardener Handbook*
- <http://www.puyallup.wsu.edu/plantclinic/resources/mg-res.html>

## **Identify the Insect**

### ***Insects*** (a Peterson Field Guide)

- Pictorial identification key to the orders (inside front and back covers)
- The key directs you to a page with further information about the orders

***PNW Insect Management Handbook*** (OSU publication INSECT)

- The 2010 edition has numerous changes from previous versions. Now, Home Use and Commercial Use recommendations will be clearly indicated within each entry
- Please don't read dosage rates to clients because the product's formulation and/or label may have been modified after the handbook was published
- If you photocopy information for clients, please strike-out commercial recommendations
- **Warning:** If the dosage is stated as lb ai/a (pounds active ingredient per acre) or ounces/100 gallons, you're reading Commercial recommendations
- Also online (See below)

***Insects that Feed on Trees and Shrubs*** (Johnson and Lyon; 2<sup>nd</sup> edition revised)

- Often cross-referenced from the *PNW Insect Management Handbook*
- Photos of the critter and/or damage, with details of life cycle, habitat, and habits

***Garden Insects of North America*** (W. Cranshaw)

- Organized by kind of plant damage, then according to the kind of insect
- The book's primary value is to help verify your tentative identification via the numerous photos and brief descriptions
- Index contains both common names and technical names

***Bugs of Washington and Oregon*** (John Acorn & Ian Sheldon) illustrates and profiles 125 insects common to our region

***Natural Enemies Handbook*** (University of California publication 3386) helps you sort the good guys from the bad. Describes life cycle and habits. High quality photos

***PNW Insect Management Handbook*** (online version)

- The same text as in the hard copy
- See Tab G for detailed instructions
- Within each category, topics are listed alphabetically
- Because numerous entries are on a single page, you'll need to scroll down the page and, sometimes, click "Next"
- **Warning:** Be ever vigilant that you're using the Home Use recommendations
- Please don't read dosage rates to clients because the product's formulation and/or label may have been modified after the handbook was published
- **Warning:** If the dosage is lb ai/a (pounds active ingredient per acre) or ounces/100 gallons, you're reading Commercial recommendations
- In an individual entry, and following the critter's name, you may see as many as four boxed symbols, each indicating a photo
  - The boxed-A is the adult, D the damage, E the eggs, and I the immature
  - An additional symbol resembling a miniature printed page is a clickable link to a page-long description from *Insects & Mites of Economic Importance in the Northwest* (Ralph Berry), a book in each of the MG offices
- <http://pnwpest.org/pnw/insects> (See Tab G for complete information)  
**\*\*\*Don't send this link or other links from PNW Insect to clients\*\*\***  
Instead, copy and paste the appropriate information, then delete all commercial-use data

### **Diagnosis by County in Oregon (Arthropods and Plant Diseases) (OSU)**

- For description, refer to Identify the Plant Disease on page 4 of this article
- <http://plant-clinic.bpp.oregonstate.edu/counties>

### **Ken Gray Insect Image Collection (OSU)**

- An extensive image library of regional arthropods that is best searched with the arthropod's technical name
- To search for photos
  - Left click By Keyword in the menu at the left
  - On the new page, set the cursor in the box following Enter Keyword
  - Type the family or genus name in the box
  - Left click Submit Query
- <http://www.ipmnet.org/kgphoto/>

### **PNW Nursery IPM (OSU)**

- Valuable resources for MGs even though “established to provide educational materials and links for the identification and management of pests in commercial nursery production in the Pacific Northwest”
- Subscribe to the one-way Alert listserv to keep up-to-date about current pest activity, potential invaders, and weather reports. Delete unwanted notices
- <http://oregonstate.edu/dept/nurspest/>

### **Yard/Garden Pests (WSU)**

- Information about common pests as well as certain beneficial insects, among them bees, ladybugs, predacious ground beetles and more
- <http://gardening.wsu.edu/text/insects.htm>

### **Crane Fly Page (WSU)**

- All the information and pictures about crane flies you're ever likely to need
- Note the section for homeowners where the MGs from Whatcom County, WA, annually publish their survey of home lawns
- Photos of numerous non-damaging crane fly species native to the PNW
- <http://whatcom.wsu.edu/cranefly/>

### **Pest Leaflet Series (WSU)**

- A series of 121 leaflets designed for use by MGs and home gardeners
- Each has from 1 to 10 pages of text and often a photo or illustration
- It's challenging to locate the title you want because they're apparently listed as they were completed rather than alphabetically
- *How to Identify the Hobo Spider (PLS 116)*, is perhaps the most useful of the series because it is the only publication with text and high quality photos of the characteristics required to identify the hobo spider and its kin
- <http://www.puyallup.wsu.edu/plantclinic/resources/pls-res.html>

### **Pests in Homes, Gardens, Landscapes, and Turf** (University of California)

- The “University of California’s official guidelines for pest monitoring techniques, pesticides, and non-pesticide alternatives for managing pests”
- Numerous clearly written leaflets, each describing the pest’s life cycle, damage, habitat, management, and enriched with illustrations and/or color photos
- To print the information for an individual pest, click on the small notice near the top of the page which states either “PDF to Print” or “Printer-friendly Version”
- As with all out-of-state sites, always verify any chemical management with the PNW handbooks
- <http://www.ipm.ucdavis.edu/PMG/menu.homegarden.html>

### **Integrated Pest Management** (Cornell University)

- As with all out-of-state sites, always verify any chemical management with the PNW handbooks
- <http://www.nysipm.cornell.edu/>

### **A Guide to Natural Enemies in North America** (Cornell University)

- <http://www.nysaes.cornell.edu/ent/biocontrol/>

## **Identify the Spider**

### ***Spiders and Their Kin*** (a Golden Guide)

- Small but useful resource to ID spiders other than the hobo
- Illustrations of spinnerets and/or eye arrangement are key ID characteristics
- Illustrations rather than photos

### **Hobo Spider**

- Valuable background information about the hobo spider and its look-a-likes
- The text and photos lack sufficient detail for identification of hobo spider
- <http://www.srv.net/~dkv/hobospider/>

### ***Hobo Spider: How to Identify or Mis-Identify*** (WSU publication PLS 116)

- Key characteristics required to identify hobo spiders and their look-a-likes
- High quality color visuals support the detailed text
- Train yourself to ID a hobo spider by reading the text, looking at the photos, then observing the specimen at hand
- The MG offices have a file copy for use while you’re “on the job”
- [http://pep.wsu.edu/pdf/PLS116\\_1.pdf](http://pep.wsu.edu/pdf/PLS116_1.pdf)

### **Spider Links & Myths** (The Burke Museum; WSU)

- Various myths about spiders  
<http://www.washington.edu/burkemuseum/spidermyth/>
- Numerous related links <http://www.washington.edu/burkemuseum/spidermyth/links.html>

## Identify the Household Arthropod

Begin with the general insect identification resources on pages 4 -7, then refine your search with one or more of the following, most of which provide general information, background, and cultural management.

### **Identification and Habits of Key Ant Pests of Washington**

- Perhaps your first resource to determine which ant is which
- Focus is local rather than nationwide
- All MG offices have a copy (WSU publication EB067I)

### **PCT Handbooks**

- **Note:** Written for industry professionals, but MGs will benefit from the numerous facts for ID and cultural management of various arthropods
- **Warning:** Any recommendation for home use of pesticides against arthropods is to come from the *PNW Insect Management Handbook*
- The books
  - *Technician's Handbook* – Concise layout for each pest includes a detailed description and accurate illustration, as well as cultural management
  - *Structure-infesting Ants* – this and the following 3 books offer considerable more details than the above
  - *Structure-infesting Beetles* (Volumes I and II)
  - *Structure-infesting Flies*
  - *Urban Spiders*

### **Urban Entomology (OSU)** Brief blurbs about common household pests and nuisances

- <http://www.ent.orst.edu/urban/Home.html> (Jack DeAngelis, retired)
- <http://entomology.oregonstate.edu/urbanent> (James Young)
- *Urban Entomology* A classic publication by Walter Ebeling;  
<http://www.entomology.ucr.edu/ebeling/>

### **Living with Bugs** Brief blurbs about common household pests and nuisances

- A commercial site authored by Jack DeAngelis, OSU entomologist, retired
- <http://www.livingwithbugs.com/>

### **Household Pests (WSU)**

- Common household arthropods, also bats, rats and mice, with links to information about numerous vertebrates, both pests and nuisances
- <http://gardening.wsu.edu/text/comhp.htm>

### **Bed bugs**

- Bed Bugs (OSU) [http://entomology.oregonstate.edu/sites/default/files/Bed\\_Bugs.pdf](http://entomology.oregonstate.edu/sites/default/files/Bed_Bugs.pdf)
- Bed bug FAQ list (Cornell)  
[http://www.nysipm.cornell.edu/whats\\_bugging\\_you/bed\\_bugs/bedbugs\\_faqs.asp](http://www.nysipm.cornell.edu/whats_bugging_you/bed_bugs/bedbugs_faqs.asp)
- Bed bugs are back! An IPM Answer (Cornell) (pdf)  
[http://www.nysipm.cornell.edu/publications/bed\\_bugs/files/bed\\_bug.pdf](http://www.nysipm.cornell.edu/publications/bed_bugs/files/bed_bug.pdf)

## Invasive Plants

### Alternatives for Invasive Plants

- *GardenSmart Oregon*  
<http://extension.oregonstate.edu/catalog/pdf/ec/ec1620.pdf>
- *Garden Wise Plants* (Washington Invasive Species Coalition)  
[http://www.nwcb.wa.gov/education/Western\\_Garden\\_Wise\\_Web.pdf](http://www.nwcb.wa.gov/education/Western_Garden_Wise_Web.pdf)

### Oregon Department of Agriculture (ODA) Noxious Weed List

<http://www.oregon.gov/ODA/PLANT/WEEDS/statelist2.shtml>

### Meadow in a Can: Does it Really Work?

<http://www.nwcb.wa.gov/education/publications/meadow.html>

### Center for Invasive Plant Management <http://www.weedcenter.org/>

- Gardening & Invasives [http://www.weedcenter.org/inv\\_plant\\_info/garden.html](http://www.weedcenter.org/inv_plant_info/garden.html)
- Image Galleries [http://www.weedcenter.org/inv\\_plant\\_info/images.html](http://www.weedcenter.org/inv_plant_info/images.html)

### Invasipedia (formerly at The Nature Conservancy web site)

<http://wiki.bugwood.org/Invasipedia>

### Noxious Weed Control Program (King County, WA)

Identification by flower color

<http://www.kingcounty.gov/environment/animalsAndPlants/noxious-weeds/weed-identification.aspx>

### Washington State Noxious Weed control Board

Identification Key sorted by flower color

[http://www.nwcb.wa.gov/weed\\_ID/weed\\_id\\_1.htm](http://www.nwcb.wa.gov/weed_ID/weed_id_1.htm)

## Miscellaneous

### Northwest Coalition for Alternatives to Pesticides (NCAP)

A series of detailed fact sheets with alternatives to using pesticides against many arthropods, weeds and vertebrates.

- Pesticide Fact Sheets <http://www.pesticide.org/get-the-facts/pesticide-factsheets/pesticide-factsheets>
- Home and Garden Solutions <http://www.pesticide.org/solutions/home-and-garden-toolbox/home-and-garden-toolbox>
- Resources <http://www.pesticide.org/solutions/community/community-toolbox>

### Compost

- Cornell Composting <http://compost.css.cornell.edu/>
- US Composting Council (List of certified compost suppliers in Oregon)  
<http://compostingcouncil.org/admin/compostmap.php>