



Eastern Oregon Farmscaping for Beneficials Resource List Gwendolyn Ellen

www.ipmnet.org Gwendolyn@science.oregonstate.edu

Beetle Banks

Banking on Beetles Project in Oregon at

http://www.ipmnet.org/BeetleBank/Farmscaping_for_Beneficials.html

Beneficial Insects: beetles. Erin Hodgson and Ron Patterson Utah State University Extension.

<http://extension.usu.edu/files/publications/factsheet/beneficial-insects-beetles07.pdf>

Ground Beetles. A Guide to Recognizing Beneficial Beetles in the Field. Ed Peachy, Weed Seed Predation Project, Department of Horticulture, Oregon State University

http://hort.oregonstate.edu/files/Random_Front/Seed_Eating_Beetles/BrochureCarabids.pdf

Beneficial Insect ID

On-line ID: www.bugguide.net and www.discoverlife.org

A Pocket Guide to Beneficial Insect ID in the PNW. Mario Ambrosino 2007. Oregon State University Extension Pub EC 1613 free download from

http://www.ipmnet.org/Posters_and_Presentations/Pocket_Guide_Natural_Enemies.pdf

Natural Enemies of Vegetable Insect Pests. Michael Hoffman and Anne Frodsham \$15.70 from Resource Center, 7 Business/Technology Park, Cornell University, Ithaca, NY 14850 607-255-9946

Natural Enemies Handbook: The Illustrated Guide to Biological Pest Control

Mary Louise Flint and Steve H. Dreistadt

UC, CA Ag and Natural Resources

1111 Franklin St, Oakland, CA 94607-5200 (510) 987-0096

Tree Fruit Field Guide to Insect, Mite, and Disease Pests and Natural Enemies of Eastern North America. A. Agnello, et.al. NRAES Cooperative Extension P.O. Box 4557 Ithaca, NY 14852-4557 607-255-7654 nraes@cornell.edu

Kaufman Field Guide to the Insects of North America. Eaton, E. R., and K. Kaufman. 2007. New York: Houghton Mifflin. (A handy guide to identifying insects available at most book stores.) \$18.95

Identifying Natural Enemies in Crops and Landscapes. Compiled and edited by Mary Gardiner, et.al. Michigan State University Extension Bulletin E-2949, 517-353-6740 \$10

Enhancing Western Orchard Biological Control Project <http://enhancedbiocontrol.org> or Angela Gadino 509-663-8181 x286. This is a collaboration in OR, WA and CA. Contains excellent slide

Appendix Four: E OR Resource Lists

shows and guides on beneficial insects and pests in orchards. They also do technical workshops around the Northwest.

Birds and Bats

Attracting Wildlife for Pest Control on Farmland. An Introduction to Barn Owl Boxes, Kestrel Boxes, Raptor Perches, Wintering Raptors and More. Dec 2012. USDA, NRCS, Hawk Watch and Utah State University. From Utah State Extension

http://extension.usu.edu/files/publications/factsheet/NR_Wldlife_2012-02.pdf

Artificial Perches for Raptors <http://www.rain.org/~sals/perches.html>

Falconry for bird management in blueberries (including farmers that use them).

Site managed by Peerbolt Crop Management <http://www.berriesnw.com/FalconryHome.asp>

Using Kestrels in bird management research update by Karen Steensma, Trinity Western University, Canada <http://www.wcfarmfriends.com/go/doc/1579/216272>

Raptors and birds in managed landscapes. Patricia Kennedy at Eastern Oregon Agricultural Research Center, 372 S. 10th St. PO Box E, Union, OR 97883 541-562-5129 X 31

<http://oregonstate.edu/dept/eoarcunion/pat-kennedy>

Tim Pitz, Ornithologist, Mt Adams Orchard, WA 541-806-0303 timotheyp@maocorp.com

A rare breed of ornithologist who knows about conserving habitats on-farms and the benefits of birds of prey in orchards. Tim is an excellent presenter in the field or the workshop.

Kestrels, barn owls and bats biology and nesting box information from Ben Dover, consultant in WA. Orchard Guard 509-910-6598 <http://orchardguard.com/index.html>

Barn owl information: Barn Owl Headquarters <http://members.tripod.com/Tommy51>

Blue Mountain Wildlife. <http://www.bluemountainwildlife.org/> Located in Pendleton, Oregon this wildlife rehab unit serves both Washington and Oregon. Their Executive Director, Lynn Tompkins and staff have remarkable release rates for birds, especially barn owls. They have been readily available for farm walks and workshop with birds in hand (literally). Oscar their Kestrel was 9 years old when I saw them him. Rescue line 541-278-0215 cell 541-377-8246 or

lynn@bluemountainwildlife.org

Wild Wing Company. Great designs in nesting boxes for barn owls, raptors, bluebirds and more based in CA and travels. John Schuster 707-327-8505 <http://www.wildwingco.com/>

The Willamette Valley Landowner's Guide to Creating Habitat for Grassland Birds. The Oregon Conservation Strategy. Oregon Department of Fish and Wildlife and Oregon Zoo

http://www.dfw.state.or.us/conservationstrategy/grassland_birds.asp

Using Bats for Pest Management Mike Omeg, Omeg Family Orchards, The Dalles OR. This is an excellent slideshow done by the farmer on increasing bats in the orchard for pest management. There are other very interesting documents at this site on birds, bats and insectary plantings in cherry orchards. <http://www.omegorchards.com/pdf/Colorado-Omeg-Bats.pdf>

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Bats in Union County, OR. Burr Betts former professor at Eastern OR University authored Bats in the Garden

<https://catalog.extension.oregonstate.edu/sites/catalog/files/project/pdf/ec1611.pdf>

Everything bat, free bat box plans and some great research technicians that do travel at Bat Conservation International <http://www.batcon.org/>

Farmscaping

Bringing Farm Edges Back to Life: Landowner Conservation Handbook

Yolo County Resource Conservation Handbook

221 West Court St., Ste 1, Woodland, CA 95695

530-662-2037 x5 www.yolocrd.ca.gov

Cover Cropping for Pollinators and Beneficial Insects. A Sustainable Ag Research and Education (SARE) Publication. Available for free from www.sare.org/cover-cropping-for-pollinators
301-779-1007 Has great tables for annual and perennial covers and the beneficials they attract.

Farmscaping to enhance biological control. Rex Dufour 2000 ATTRA, Fayetteville AK

<http://attra.nact.org/attra-pub/PDF/farmscaping.pdf>

Farming with Native Beneficial Insects. Eric Lee-Mader, Jennifer Hopwood, Lora Morandin, Mace Vaughan, Scott Hoffman-Black Story Publishing 2014 by The Xerces Society

<http://www.xerces.org/farming-with-native-beneficial-insects/>

Valuing Sustainable Ag Practices. Robert J Maggiani and Jane Grimsbo 2013, ATTRA, Fayetteville AK Will be posted at www.attra.ncat.org in 2014

Federal Conservation Resources for Sustainable Farming and Ranching. Jeff Schaczenski 2010, ATTRA, Fayetteville AK <https://attra.ncat.org/...-pub/summaries/summary.php?pub=280>

Restoring Rare Native Habitats in the Willamette Valley. Bruce H. Campbell 2004. Defenders of Wildlife, 1880 Willamette Falls Drive, Ste.200, West Linn, OR 97068 503-697-3222

www.biodiversitypartners.org

Shrub-Steppe and Grassland Restoration Manual for the Columbia Basin Benson, JE, RT Tveten, MG Asher and PW Dunwiddle, 2011 <http://wdfw.wa.gov/publications/01330/>

Oregon State University's Farmscaping for Beneficials resources:

<http://extension.oregonstate.edu/gardening/node/956>

Natural Resources Conservation Service Center, Pendleton, OR

1 SW Nye St. Ste 130

Pendleton, Oregon, 97801 541-278-8049 #3

Andrea Mann, District Conservationist X 105

Also Houses: Umatilla Soil and Water Conservation District 541-278-8049 #5

Kyle Wagner, District Manager X 134 <http://www.umatillacountyswcd.com/>

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Columbia Blue Mountain RC&D X138 <http://foodfororegon.oregonstate.edu/columbia-blue-mt-resource-conservation-development-council> and <https://www.facebook.com/Columbia-Blue-Mountain-RCD-194538060599328/>

Tiicham Conservation District

Staff here can help with appropriate native plants, education on conservation practices and restoration plantings, local and federal funding for on-farm habitat and oftentimes volunteers to help install plantings.

Oregon Association of Conservation Districts (OACD)

737 13th Street SE

Salem, OR 97301 Phone: (503) 566-9157

Fax: (503) 588-2577 oacd@oacd.org

For information on soil and water and conservation district programs in your area. These districts conduct local native plant sales and cost-share and grant programs to help install insectary plantings. Sponsor educational workshops on conservation practices.

Heritage Garden Program managed by the Benton and Franklin Conservation Districts in Washington in collaboration with the WA Native Plant Society. They do work shops on native plant gardens, native plant sales and other events. www.hgcd.info Program Director: Heather Wendt 509-430-3693 heather-wendt@conserveva.net

Hedgerows

A Guide to Multifunctional Hedgerows in Western Oregon. Jude Hobbs and Dan McGrath 1998. Oregon State University Extension Pub EM 8721. Available for free download at <http://ir.library.oregonstate.edu/jspui/handle/1957/15725>

Conservation Buffers in Organic Systems. Western States Implementation Guide. June 2013. National Center for Appropriate Technology, Oregon Tilth and Xerces Society. <http://tilth.org/files/r-e/ocp/conservation-buffers-in-organic-systems>

Hedgerows for California Agriculture. A Resource Guide. Sam Earnshaw, 2004. Community Alliance of Family Farmers, Davis, CA www.caff.org
http://www.goldridgercd.com/project/pollinators/CAFF_hedgerows-4-CA-ag.pdf

Hedgerows enhance beneficial insects on farms in California's Central Valley. By Lora Morandin, Rachael Long, Corin Pease and Claire Kremen in California Agriculture. October-December 2011. Vol.65 Number 4
<http://ucanr.org/repository/cao/landingpage.cfm?article=ca.v065n04p197&fulltext=yes>

In-Field Insectary Plantings

Cover Cropping for Pollinators and Beneficial Insects. Sustainable Agriculture Research and Education Program. Available at: www.sare.org/cover-cropping-for-pollinators or order free at 301-779-1007 This is an excellent publication on insectary cover crops, their mixes and even includes some native species. It was co-written by Xerces and USDA, NRCS and published in 2015.

GardenSmart Oregon. A guide to non-invasive plants, Jennifer Goodridge, Mitch Bixby, and Leslie Winter-Gorsline <http://oregoninvasiveshotline.org>

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Practical Guidelines for Establishing, Maintaining and Assessing the Usefulness of Insectary Plantings on your Farm. Mario Ambrosino, Integrated Plant Protection Center, Oregon State University Available to download at: http://www.ipmnet.org/BeetleBank/Farm_Newsletters_Pubs.html

ID Native Plants and Seeds

Good native plants/seeds website: <http://www.nativeseednetwork.org/>,
http://www.plantnative.com/nd_or.htm

Plants for Pollinators in Oregon. Kathy Pendergrass, Mace Vaughan, and Joe Williams. 2007. USDA Natural Resources Conservation Service and Xerces Society for Invertebrate Conservation. *Technical Note No. 13, USDA NRCS Plant Materials Center Corvallis, OR.97331 541-757-4812 x 102* Link at www.ipmnet.org

Plants for Pollinators in the Inland Northwest. Pamela Pavek et al. 2013 USDA Natural Resources Conservation Service Spokane, WA – Boise, ID Biology Tech Note No.24 Revised March 2013 http://www.nrcs.usda.gov/Internet/FSE_PLANTMATERIALS/publications/wapmctn11733.pdf

Oregon State University's Oregon Floral Project Native Plant ID App *The Oregon Wildflower App* Linda Hardison hardisol@science.oregonstate.edu
<http://extension.oregonstate.edu/news/release/2014/04/osu-app-brings-wildflower-identification-your-fingertips>

Flora ID, Comprehensive computer app plant keys for rapid identification www.flora-id.org
floraid@wtechlink.us Bruce Barnes P.O. Box 1831, Pendleton, OR 97801 541-276-5547

Native Plant Society of Oregon
PO Box 902
Eugene, OR 97444
www.npsoregon.org

A great resource with chapters all over the state. Many chapters are quite active and have native plant ID hikes and events throughout the year. A local active group is the Blue Mountain Chapter based in Pendleton, OR.

Pullman NRCS Plant Materials Center
PO Box 646211/ 211-A Hubert Hall
Washington State University
Pullman, WA 99164-6211 509-335-7376
Pmc_nrcs@wsunix.wsu.edu or
<https://www.nrcs.usda.gov/wps/portal/nrcs/main/plantmaterials/pmc/west/wapmc/>

Native Plant/Seed Nurseries

Confederated Tribes of the Umatilla Indian Reservation
Tribal Native Plant Nursery
73820 Hwy 331
Pendleton, OR 97801 541-278-8525
<http://www.tribalnativeplants.com/default.html>

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Gail Redberg grower@tribalnativenursery.com

A variety of native plants from local seeds in plugs and pots. Awesome native plant lists on website.

Washington Association of Conservation Districts Plant Materials Center

16564 Bradley Road, Bow WA 98232 360-757-1094

pmcsales@gmx.com

A wholesale native plant nursery.

Plants of the Wild

P.O. Box 866

Tekoa, WA. 99033 509- 284-2848

kathy@plantsofthewild.com http://plantsofthewild.com/Home_Page.html

Provides plants for large restoration projects and home landscapes.

BFI

1550 Pilgrim St

Moses Lake, WA 98837 509-765-6348

Jerry Benson - jbenson@bfinativeseeds.com

Specialize in inland NW and PNW shrub-steppe and east slope habitat native grasses and flowering plant seeds. They also do consultations, recommendations and site prep. They have a nice seed estimator on their website: <http://www.bfinativeseeds.com/about.aspx>

Partial List of Vendors of Conservation Plants and Seed for OR, WA and N. ID. March 2009.

Spokane Washington, **USDA, NRCS Plant Materials Center Technical Note -3** Mark Stannard and Pamela Scheinost

https://www.nrcs.usda.gov/Internet/FSE_PLANTMATERIALS/publications/wapmctn6328.pdf

Pollinators

Bumble bee pocket identification guides by Elaine Evans and The Xerces Society

Downloads available at: <http://www.xerces.org/identification-guides/>

On-line Bumble Bee identification site: www.discoverlife.org/mp/20q?guide=Bumblebees

Bumble Bees of the Western United States by Jonathon Koch, James Strange and Paul Williams, 2012. Well done, informative publication with limited species. <http://purl-fdlp-gov/GPO/gpo29046>

Tons of good information from the Xerces Society of Invertebrate Conservation at the Pollinator Conservation Resource Center <http://www.xerces.org/pollinator-resource-center/>

Farming for Bees: guidelines for providing native bee habitat on farms. Vaughan, M., M. Shepherd, C. Kremen, S. H. Black. 2007. The Xerces Society for Invertebrate Conservation. Portland, Oregon. (This 40-page booklet provides details on how to protect, enhance or restore habitat for native bees in farm landscapes; available for download at http://www.xerces.org/Pollinator_Insect_Conservation/Farming_for_Bees_2nd_edition.pdf)

How to Reduce Bee Poisoning from Pesticides. Riedl, H., E. Johansen, L. Brewer, and J. Barbour. 2006. Pacific Northwest Extension Publication 591. Oregon State University, Corvallis, OR. (Available

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online at <http://extension.oregonstate.edu/catalog/pdf/pnw/pnw591.pdf>)

How to Manage the Blue Orchard Bee as an Orchard Pollinator. Bosch, J. and W. Kemp. 2001. Sustainable Agriculture Network handbook series #5. USDA-SARE, Beltsville, MD. (A comprehensive review of the blue orchard bee, also called the orchard mason bee, and the best way to manage it.)

Attracting Native Pollinators, Protecting North America's Bees and Butterflies. 2011 Story Publishing by Xerces Society. My favorite so far on native bees and habitat. Get it at www.xerces.org

Using Farm Bill Programs for Pollinator Conservation Tech Note No.78. Xerces, NRCS and San Francisco State University <http://www.xerces.org/wp-content/uploads/2009/04/using-farmbill-programs-for-pollinator-conservation.pdf>

The Pollinator Partnership (www.pollinator.org) and the North American Pollinator Campaign (www.nappc.org) have produced free, well done, ecoregion specific planting guides for pollinators. Go to <http://www.pollinator.org/guides.htm>, enter your zip code and download your local, Selecting Plants for Pollinators Guide. For the Willamette Valley the ecoregion is the Pacific Lowland Mixed Forest Province (R.G. Bailey's classification system # 242)

Two recommended sites for pollinators: <http://www.pollinator.org/SHARE.htm>
<http://pollinator.org/beesmartapp.htm>

Updated May 2017

Field edge with native plants, Milton-Freewater OR, Walla Walla, WA



Native plants on non-cropped hill, in coulee (mid-right) and a wind break (top) in Walla Walla orchard



| first | last | affiliation | email |
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| Kathy | Pendergrass | USDA-NRCS | Kathy.Pendergrass@or.usda.gov |
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| August | Jackson | Mount Pisgah Arboretum | interpretation@mountpisgaharboretum |
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| Gail | Redberg | Conf Tribes of the Umatilla (CTUI) | tribalnativeplants@gmail.com |
| Gretchen | Graber | Private consultant/habitat install | gretchen.graber@gmail.com |
| Bruce | Barns | Flora NW, LLC | floraid@wtechlink.us |
| David | James | WSU Butterflies and native plant | david_james@wsu.edu |
| Sandy | Ott | former CTUIR soil conservationist | ottgowild.sandra@gmail.com |
| Amanda | Schachtschneier | CTUIR Soil Conservationist | amanda@ctuir.org |
| Brian | Wolcott | Walla Walla Basin CD | brian.wolcott@wwbwcd.org |
| Spring | Olson | Central OR Seed Exchange | coseedexchange@gmail.com |

| speciality | phone | address |
|--|----------------------------------|------------------------------|
| Pollinator Health Extension | (541) 737-3139 | 4017 Ag and Life Sciences B |
| Field Crop Entomologist | (541) 737-9038 | 4050 Cordley Hall |
| Parks and Green Spaces - native plants | 503.638.7240 | 2661 SW Borland Road |
| Oregon Flora Project director | 541-737-4338 | 1048 Cordley |
| bee keeping | | |
| native plant propogation | (541) 757-4812, ext. 541-801-227 | 3415 NE Granger Avenue |
| owl box builder | (541) 757-4812, ext. 541-801-227 | 3415 NE Granger Avenue |
| native plants | (503) 414-3266 | 1201 NE Lloyd Blvd., Suite 9 |
| IPM, beneficalians, pollinators, teaching K-12 | | |
| insect id | (541) 741-4110 | 34901 Frank Parrish Rd., Eu |
| bees | 971-718-1195 | |

botanist, leads field trips for non-profi 541-962-3672
 great teacher of east side natives 541-278-8525
 experienced habitat installer 206-265-0430
 Hermiston botanist Has developed ID / 541-276-5547
 WSU Prosser IAREC 509-786-9280
 teaches gardening with natives/nursery
 works with native plants and tribal farmers
 retired FS botanist works with orchard 541-938-2170 x106
 independent consultant habitat restor 541-647-9604

73820 Hwy 331
 tri-cities area
 PO Box 1831
 in Bend area

| city | state | zip | web | web 2 |
|-----------|-------|------------|---|-------------------------------------|
| Corvallis | OR | 97331-7300 | http://horticulture.oregonstate.edu/content/andony-melathopoulos | |
| Corvallis | OR | 97331 | http://entomology.oregonstate.edu/sujaya-rao | |
| Tualatin | OR | 97062 | | |
| Corvallis | OR | 97331 | http://bpp.oregonstate.edu/hardison | http://ore |
| | | | https://oldbluenaturalresources.com/ | |
| Corvallis | OR | 97330 | | |
| Corvallis | OR | 97330 | | |
| Portland | OR | 97232 | | |
| | | | | |
| Eugene | OR | 97405 | http://www.mountpisgaharboretum.com/about-mpa/board-staff/ | |
| | | | https://people.eou.edu/kantell/ | |

Pendleton OR 97801 <http://tribalnativeplants.com/default.html>

Pendleton OR 97801 www.flora-id-northwest.com

Pendleton area

Pendleton area
Walla Walla, WA

gonflora.org/

| Location | Partner | Entomologist |
|---------------|----------|-------------------------------------|
| | ODA | Insect Pest Prevention & Management |
| | ODA | Sarah Kincaid |
| | ODA | Jim LaBonte |
| | | |
| Aurora | Noordijk | David Lowenstein |
| | | |
| Aurora | Noordijk | Heidi Noordijk, Heather Stoven |
| Central Point | Powell | Maud Powell |
| Corvallis | | Andy Moldenke |
| Corvallis | | Gwendolyn Ellen |
| Corvallis | | Sujaya Rao |
| Corvallis | | Paul Jepson |
| Corvallis | | George Hoffman |
| Corvallis | | August Jackson |
| | | |
| Hillsboro | | NWREC or OSU Corvallis |
| Corvallis | | Andony Melathopoulos |
| Gold Beach | | Cassie Bouska |
| Hood River | | Rachel Suits |
| | | |
| White Salmon | | Tim Pitz |
| Wapito, WA | | Tom Unrue |
| E OR | | Sandra Deban |
| E OR | | Dave Wooster |
| E OR | | Stuart Reitz |
| E OR | | Rob Proger |
| E OR | | Martin Pitney |

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| Location |
| |
| Oregon Bee Project, ODA |
| Oregon Department of AG, Salem |
| |
| NWREC and ALS OSU Campus |
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| NWREC OSU |
| SOREC OSU |
| OSU Corvallis |
| OSU Corvallis, IPPC cell 541-829-3337 |
| OSU Entomology |
| IPPC OSU |
| OSU Entomology |
| Mt Pisgah Arboretum - Interpretation Coordinator |
| |
| |
| Horticultural Extension 4153 AG Life Sciences |
| Curry County OSU Extension - Agriculture |
| Hood River and Wasco Extension |
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| |
| ARS retired - biological control of pear and apple |
| HERAC- OSU Hermiston, OR insects of E OR prairies knows |
| HERAC- OSU Hermiston, Aquatic insects |
| OSU Extension, Malheur TTT Wkshop in Hermiston partic |
| La Grande Forestry & Range Science Lab |
| Gala Springs Orchard, certified organic orchardist/consult |

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| paul.jepson@oregonstate.edu | (541) 737-9082 |
| interpretation@mountpispaharboretum.org | 541-747-3817 |
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| andony.melathopoulos@oregonstate.edu | 541-737-3139 |
| | 541-572-5263 x 25290 |
| rachel.suits@oregonstate.edu | 541-386-3343 x38257 |
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