



THE XERCES SOCIETY FOR INVERTEBRATE CONSERVATION

Pollinator Conservation Resources

Thank you for attending Xerces' Pollinator Conservation Short Course. Here are some web links to more information on pollinator and beneficial insect conservation. Please contact me if you have any questions or suggestions. Thank you for supporting pollinators!

Recent News

Please take time and watch this wonderful lecture entitled "*Bees, Pesticides and Politics: the impact of neonicotinoids on UK bumblebees*" by **Professor Dave Goulson** that was recently published on You Tube. It's a great summary of some of the issues touched on during the short course (with a UK focus, but with global application). It is definitely worth watching (its ~60 min, but time well spent!). <http://t.co/AeYUWqNLAM>

President Obama [issued a Presidential Memorandum](#) directing an interagency Task Force to create a *Strategy to Promote the Health of Honey Bees and Other Pollinators*. Today, under the leadership of the U.S. Environmental Protection Agency (EPA) and U.S. Department of Agriculture (USDA), [the Task Force is releasing its Strategy](#), with three overarching goals:

1. Reduce honey bee colony losses to economically sustainable levels;
2. Increase monarch butterfly numbers to protect the annual migration; and
3. Restore or enhance millions of acres of land for pollinators through combined public and private action.

Today's announcement marks an important step toward promoting the health of pollinators that are critically important to our economy, environment, and health.

- Read the *National Strategy to Promote Pollinator Health* [HERE](#)
- Read the *Pollinator Research Action Plan* [HERE](#)
- Read *Pollinator-Friendly Best Management Practices for Federal Lands* [HERE](#)
- Access *Appendices to the National Strategy* [HERE](#)

New Xerces Society Publications / Website Additions

We have compiled NRCS pollinator and posted on the PLANTS database at <http://plants.usda.gov/pollinators/NRCSdocuments.html>.

Xerces' Milkweed FAQ webpage: <http://www.xerces.org/milkweed-faq/>

Farming for Bees (2nd ed.) http://www.xerces.org/wp-content/uploads/2008/11/farming_for_bees_guidelines_xerces_society.pdf

Farming with Native Beneficial Insects: Ecological Pest Control Solutions
<http://www.xerces.org/farming-with-native-beneficial-insects/>

Milkweeds: A Conservation Practitioner's Guide (Plant Ecology, Seed Production Methods, and Habitat Restoration Opportunities) <http://www.xerces.org/milkweeds-a-conservation-practitioners-guide/>

Establishing Pollinator Meadows from Seed <http://www.xerces.org/establishing-pollinator-meadows-from-seed/>

Pollinator Management for Organic Seed Producers <http://www.xerces.org/pollinator-management-for-organic-seed-producers/>

General Resources

Marla Spivak: Why bees are disappearing (TED talk)
http://www.ted.com/talks/marla_spivak_why_bees_are_disappearing.html

Xerces Society Pollinator Conservation Resource Center <http://www.xerces.org/pollinator-conservation/>

Video of bees buzz-pollinating flowers by Nancy Adamson (Xerces)
https://www.youtube.com/watch?v=l_etyEdu9fQ&noredirect=1

New Jersey Native Bees
http://winfreelab.rutgers.edu/documents/NewJerseyNativeBees_Foldout.pdf

Native Bee Benefits
http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1143636.pdf

Farming for Bees <http://www.xerces.org/guidelines-farming-for-bees/>

Attracting Native Pollinators <http://www.xerces.org/books/>

Managing Alternative Pollinators <http://www.sare.org/Learning-Center/Books/Managing-Alternative-Pollinators>

Wild Pollinators of Eastern Apple Orchards
http://www.fruit.cornell.edu/tree_fruit/resources/wild_pollinators.pdf

Natural Resources Conservation Service (NRCS) pollinator resources
<http://plants.usda.gov/pollinators/NRCSdocuments.html>
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/plantsanimals/pollinate>

NRCS *Using Farm Bill Programs for Pollinator Conservation* <http://www.xerces.org/wp-content/uploads/2009/04/using-farmbill-programs-for-pollinator-conservation.pdf>

Pollinator Habitat Enhancement and Restoration

Pollinator Habitat Installation Guides <http://www.xerces.org/pollinator-conservation/agriculture/pollinator-habitat-installation-guides/>

Pollinator Conservation Guide by Debbie Roos, NC Cooperative Extension (links to beneficial insect habitat research, regional resources, fantastic photo gallery)
<http://chatham.ces.ncsu.edu/growingsmallfarms/pollinatorconservation.html>

Mid-Atlantic Plants for Native Bees <http://www.xerces.org/wp-content/uploads/2010/01/midatlantic-plants-for-bees-xerces3.pdf> (new version coming soon)

Northeast Plants for Native Bees http://www.xerces.org/wp-content/uploads/2014/09/NortheastPlantList_web.pdf

Pollinator-Friendly Plants for the Northeast United States ftp://ftp-fc.sc.gov.usda.gov/NY/technical/pmc/pollinator_plants_bfpmc.pdf

The Lady Bird Johnson Wildflower Center online database & Xerces' recommended pollinator/conservation biocontrol plants. If you scroll below the map, you will see the "Value to Beneficial Insects" collection (which includes some 1,500+ records for the U.S. and Canada).
<http://www.wildflower.org/collections/>

USDA Agroforestry Guidelines for Supporting Pollinators:

Native Plants for Wildlife Habitat and Conservation
<http://www.nps.gov/plants/pubs/chesapeake/>

Sustaining Native Bee Habitat For Crop Pollination
<http://www.unl.edu/nac/agroforestrynotes/an32g06.pdf>

Improving Forage For Native Bee Crop Pollinators
<http://www.unl.edu/nac/agroforestrynotes/an33g07.pdf>

Enhancing Nest Sites For Native Bee Crop Pollinators
<http://www.unl.edu/nac/agroforestrynotes/an34g08.pdf>

Windbreaks (read hedgerows) for pollinators (p 8-10)
<http://www.unl.edu/nac/insideagroforestry/vol20issue1.pdf>

Pollinator-Friendly Parks http://www.xerces.org/wp-content/uploads/2009/05/pollinator_friendly_parks_21ed_xerces_society.pdf

Pollinator Habitat Assessment Form and Guide http://www.xerces.org/wp-content/uploads/2009/11/PollHabAssess_june11_1v3-Web.pdf

Minimizing Pesticide Risks

Are Neonicotinoids Killing Bees? <http://www.xerces.org/neonicotinoids-and-bees/>

Organic-Approved Pesticides: Minimizing Risk to Pollinators <http://www.xerces.org/wp-content/uploads/2009/12/xerces-organic-approved-pesticides-factsheet.pdf>

How to Protect Honeybees [read “and Other Bees”] from Pesticides
http://www.clemson.edu/public/regulatory/pesticide_regulation/bulletins/bulletin_5_protecting_honeybees.pdf

How to Reduce Bee Poisoning from Pesticides
<http://extension.oregonstate.edu/catalog/pdf/pnw/pnw591.pdf>

Pesticide Considerations for Native Bees In Agroforestry
<http://www.unl.edu/nac/agroforestrynotes/an35g09.pdf>

Ecologically Sound Mosquito Management in Wetlands <http://www.xerces.org/mosquito-management-wetlands/>

Conservation Biological Control / Habitat Planning for Predators and Parasitoids of Insect Pests

Xerces Society Conservation Biological Control resources:
<http://www.xerces.org/conservationbiocontrol>

Farming for Pest Management (brochure) http://www.xerces.org/wp-content/uploads/2008/09/farming_for_pest_management_brochure_compressed.pdf

SARE Managing Cover Crops Profitably 3rd. ed. <http://www.sare.org/Learning-Center/Books/Managing-Cover-Crops-Profitably-3rd-Edition>

Biorationals: Ecological Pest Management Database by Rex Dufour (ATTRA)
<https://attra.ncat.org/attra-pub/biorationals/>

Manage Insects on Your Farm: A Guide to Ecological Strategies (SARE, available as PDF)
<http://www.sare.org/Learning-Center/Books/Manage-Insects-on-Your-Farm>

Biological Control of Insects and Mites: An Introduction to beneficial natural enemies and Their Use in Pest Management <http://learningstore.uwex.edu/Biological-Control-of-Insects-and-Mites-An-introduction-to-beneficial-natural-enemies-and-their-use-in-pest-management-P1392.aspx>

Bumble Bee & Butterfly Conservation

Xerces bumble bee conservation <http://www.xerces.org/bumblebees/>

Conserving Bumble Bees http://www.xerces.org/wp-content/uploads/2012/06/conserving_bb.pdf

The Buzz About Bumblebees <http://www.nwf.org/News-and-Magazines/National-Wildlife/Gardening/Archives/2014/Bumblebees.aspx>

Bee Identification & Monitoring

Bumble Bee Watch <http://www.bumblebeewatch.org/>

Bee Observer Guide - 68 page field guide for observing bees http://eol.org/info/disc_observer

Bees (and other insects) identification [Bugguide.net](http://bugguide.net)

Discover Life Bee ID Guide (advanced level) DiscoverLife.org, see Sam Droege's (of USGS) video on how to use DiscoverLife bee ID guide
<http://www.youtube.com/watch?v=75klhCa2vEM>

Sam Droege & colleagues slideshows on bee families and genera
<http://www.slideshare.net/sdroege>

Eastern bumble bees http://www.xerces.org/wp-content/uploads/2008/09/Eastern_Bumble_Bee.pdf

North American bumble bees <http://www.bumblebee.org/NorthAmerica.htm>

Webinars, Presentations, and Videos

Learning How to Farm for Bees <http://www.xerces.org/pollinator-conservation/agriculture/learning-how-to-farm-for-bees/>

Native Bee Conservation (click on green text 'Download this presentation')
<http://www.xerces.org/native-bee-conservation-presentation/>

Pollinator & Beneficial Insect webinars (in "Insects & Pollinators" category)

<http://www.conservationwebinars.net/>

Farming for Bees: Conservation of Native Pollinators

<http://www.conservationwebinars.net/webinars/farming-for-bees/?searchterm=pollinators>

Pollinator Conservation on Small Farms <http://www.slideshare.net/NancyXerces/pollinator-conservation-on-small-farms-by-nancy-adamson-at-cfsa-27-oct-2012>

Conserving Pollinators While Addressing Other Resource Concerns

<http://www.conservationwebinars.net/webinars/conserving-pollinators-while-addressing-other-resourceconcerns/?searchterm=pollinators>

Establishment of Wildflower Habitat for Pollinators, Beneficial Insects, and Wildlife

<http://www.conservationwebinars.net/webinars/establishment-of-wildflower-habitat-for-pollinators-beneficialinsects-and-wildlife/?searchterm=pollinators>

Evaluating, Establishing & Maintaining Habitat for Pollinators and Beneficial Insects
<http://www.conservationwebinars.net/webinars/evaluating-establishing-maintaining-habitat-for-pollinators-andbeneficial-insects/?searchterm=xerces>

Dragonfly Conservation: Habitat Needs, WRP, Mosquito Control, and Migratory Species
<http://www.conservationwebinars.net/webinars/dragonfly-conservation-habitat-needs-wrp-mosquito-control-andmigratory-species/?searchterm=xerces>

Preventing or Mitigating Potential Negative Impacts of Pesticides on Pollinators
<http://www.conservationwebinars.net/webinars/preventing-or-mitigating-potential-negative-impacts-of-pesticideson-pollinators/?searchterm=xerces>

Common Bees and Best Bee Plants of the East
<http://www.conservationwebinars.net/webinars/commonbees-and-best-bee-plants-of-the-east/?searchterm=xerces>