

## Wild Pollinator Web Resources

Check out these great web resources available on wild and alternative pollinators below...

### New York State bee information:

- Danforth, B.N. and K.N. Magnacca. 2002. *Bees of New York State*. New York State Biodiversity Clearinghouse, New York State Biodiversity Project and New York State Biodiversity Research Institute. <http://www.nybiodiversity.org/summaries/bees/index.html>

### Key national resources on native pollinators:

- Xerces Society for Invertebrate Conservation, pollinator conservation resource center. Portal for links to pollinator resources nationally: <http://www.xerces.org/pollinator-conservation/>
- Pollinator Partnership. Information, advocacy, portal to links, excellent plant guides by region, educational resources: <http://www.pollinator.org/>
- US Fish and Wildlife Service. "Pollinators": <http://www.fws.gov/pollinators/>
- USDA-Agricultural Research Service, Pollinating Insect-Biology, Management and Systematics Research Lab. Researchers study native bees as crop pollinators. Info on bee identification, plants and nests: <http://www.ars.usda.gov/Main/docs.htm?docid=5609>
- USDA Natural Resource Conservation Service. Financial and technical assistance to support conservation efforts for pollinators and other wildlife on farms: <http://www.nrcs.usda.gov>

### How to identify wild pollinators?

- "Conserving Wild Bees in Pennsylvania". Penn State. 1 page, double folded guide to major bee groups, plants for pollinators with phenology: [ento.psu.edu/extension/bees/conserving-wild-bees-for-pennsylvania](http://ento.psu.edu/extension/bees/conserving-wild-bees-for-pennsylvania)
- "Wild Pollinators of Eastern Apple Orchards and How to Conserve Them". Cornell U., Penn State and Xerces Society. [www.northeastipm.org/park2012/](http://www.northeastipm.org/park2012/)
- "A Guide to Toronto's Pollinators". David Suzuki Foundation: <http://www.davidsuzuki.org/issues/wildlife-habitat/science/critical-species/pollinators/>

### How to conserve all pollinators?

- "Native Pollinators." Fish and Wildlife Habitat Management Leaflet Number 34: <http://www.mt.nrcs.usda.gov/technical/ecs/biology/technotes/biotechnoteMT32.html> University of Maine, Cooperative Extension Bulletin 7153.
- "Understanding Native Bees, the Great Pollinators: Enhancing Their Habitat in Maine": <http://extension.umaine.edu/publications/7153e/>

### How to conserve agricultural pollinators?

- "Wild Pollinators of Eastern Apple Orchards and How to Conserve Them". Cornell U., Penn State and Xerces Society. [www.northeastipm.org/park2012/](http://www.northeastipm.org/park2012/)

- "Native Bee Benefits: how to increase native bee pollination on your farm in several simple steps, for PA and NJ farms". Bryn Mawr College and Rutgers University. 8-page pamphlet with major bee groups, planting guides and tips and links to conservation resources: <http://winfreelab.rutgers.edu/documents/NativeBeeBenefits2009.pdf>
- "Farming for Bees: guidelines for providing native bee habitat on farms". The Xerces Society for Invertebrate Conservation. [http://www.xerces.org/wp-content/uploads/2008/11/farming\\_for\\_bees\\_guidelines\\_xerces\\_society.pdf](http://www.xerces.org/wp-content/uploads/2008/11/farming_for_bees_guidelines_xerces_society.pdf)
- "Organic farming for bees." The Xerces Society for Invertebrate Conservation. <http://www.xerces.org/wp-content/uploads/2010/01/organic-farming-for-bees-xerces-society.pdf>
- "Conserving native bees on farmland." Michigan State University Extension Bulletin E-2985. [http://nativeplants.msu.edu/resources/teaching\\_tools/](http://nativeplants.msu.edu/resources/teaching_tools/)
- "Agroforestry: Sustaining Native Bee Habitat For Crop Pollination." USDA National AgroforestryCenter. <http://www.unl.edu/nac/agroforestrynotes/an32g06.pdf>
- "Alternative Pollinators: native bees" by Eric Mader. National Sustainable Agriculture Information Service (ATTRA): <http://attra.ncat.org/attra-pub/PDF/nativebee.pdf>
- "New England Technical Note: Pollinator Biology and Habitat." USDA NRCS. [ftp://ftp-fc.sc.egov.usda.gov/NH/WWW/Technical/New\\_England\\_NRCS\\_Pollinator\\_Tech\\_Note\\_FINAL.pdf](ftp://ftp-fc.sc.egov.usda.gov/NH/WWW/Technical/New_England_NRCS_Pollinator_Tech_Note_FINAL.pdf)
- "Managing Alternative Pollinators: A handbook for beekeepers, growers and conservationists." SARE Handbook. <http://www.sare.org/publications/pollinators/pollinators.pdf>

### How to reduce pesticide exposure?

- "How to reduce bee poisoning from pesticides." Oregon State University, Corvallis, OR: <http://extension.oregonstate.edu/catalog/pdf/pnw/pns591.pdf>.
- "Pesticide Considerations for native bees in agroforestry". USDA National Agroforestry Center. 2006-2007 : <http://www.unl.edu/nac/agroforestrynotes/an35g09.pdf>
- "Fact Sheet: Protecting honey bees from pesticides." Ohio State University: [http://www.honeybeelab.com/wiki/Fact\\_Sheet:Protecting\\_honey\\_bees\\_from\\_pesticides](http://www.honeybeelab.com/wiki/Fact_Sheet:Protecting_honey_bees_from_pesticides)
- "Organic Approved Pesticides: Minimizing Risk to Pollinators." Xerces Society: <http://www.xerces.org/wp-content/uploads/2009/12/xerces-organic-approved-pesticides-factsheet.pdf>
- National Sustainable Agriculture Information Service (ATTRA). Online database that helps users select reduced risk pesticides for the protection of beneficial insects: <http://attra.ncat.org/attra-pub/biorationals/>
- "Are Neonicotinoids Killing Bees?". Xerces Society. A summary of research on the effects of neonicotinoids on bees. <http://www.xerces.org/neonicotinoids-and-bees/>

### How to provide food for pollinators?

- "Improving Forage For Native Bee Crop Pollinators." USDA National Agroforestry Center: <http://www.unl.edu/nac/agroforestrynotes/an33g07.pdf>
- "Using farm bill programs for pollinator conservation." NRCS Technical Note 78: <http://www.xerces.org/wp-content/uploads/2009/04/using-farmbill-programs-for-pollinator-conservation.pdf>
- "Managing Cover Crops Profitably". Sustainable Agriculture Network, USDA-SARE: <http://www.sare.org/publications/covercrops/covercrops.pdf>
- "Nectar Corridors." USDA-NRCS Technical Job Sheet for NRCS Conservation Security Program: [http://www.sc.nrcs.usda.gov/programs/CSP%202-06%20%282%29/EPL41\\_Nectar\\_Corridors.pdf](http://www.sc.nrcs.usda.gov/programs/CSP%202-06%20%282%29/EPL41_Nectar_Corridors.pdf)

- "Attracting Beneficial Insects with Native Plants." Michigan State University:<http://nativeplants.msu.edu/resources/publications/>
- Northeast plants for native bees. Xerces Society: <http://www.xerces.org/wp-content/uploads/2010/01/northeast-plants-for-bees-xerces4.pdf>
- "Toronto Plant Guide for attracting pollinators." David Suzuki Foundation: <http://www.davidsuzuki.org/issues/wildlife-habitat/science/critical-species/pollinators/>

### **How to provide nesting for pollinators?**

- USDA National Agroforestry Center. "Enhancing Nest Sites For Native Bee Crop Pollinators."<http://plants.usda.gov/pollinators/NRCSdocuments.html>
- USDA ARS. How to make block nests: <http://plants.usda.gov/pollinators/NRCSdocuments.html>
- US Forest Service: Making sweat bee homes:<http://www.fs.fed.us/wildflowers/pollinators/beebox.shtml>

### **How to get involved with pollinator research through citizen scientist programs?**

- Pennsylvania Native Bee Survey. Citizen Scientist Pollinator Monitoring Guide:[http://www.xerces.org/download/pdf/PA\\_Xerces%20Guide.pdf](http://www.xerces.org/download/pdf/PA_Xerces%20Guide.pdf)
- Great Sunflower Project, National in scope, San Francisco State University:<http://www.greatsunflower.org/>
- Great Pollinator Project, New York city bee watching, American Museum of Natural History:<http://greatpollinatorproject.org/>