

## **“Plants Have Wings” Screening: Extended Learning**

### **Local Portland/Vancouver metro pollinator habitat resources:**

Backyard Habitat Certification Program: co-sponsored by the Columbia Land Trust and Portland Audubon

Resources on local native plants, Wildlife stewardship including pollinators

<https://backyardhabitats.org>

### **Hosting Blue Orchard Mason Bees: a link to a Zoom presentation by Janet Gifford, Columbia Land Trust Board Member:**

<https://www.columbialandtrust.org/virtual-event-hosting-mason-bees/>

### **Native Plants for Willamette Valley Yards: Oregon Metro brochure**

Pollinator-friendly native plants local to the Portland/Vancouver region: A regional guide to native plants. Downloadable pdf

<https://www.oregonmetro.gov/native-plants-willamette-valley-yards-booklet>

### **Champion native perennials that feed and support pollinators:**

Yarrow, Nodding onion, Camas quash, Oregon sunshine, Cascade penstemon, Oregon stonecrop, Douglas Aster. BTW, OSU Extension found that Douglas Aster is one of the top Pollinator Attractors in the perennial garden space!

### **Recommended small OR/WA native shrubs that feed pollinators:**

Salal, Kinnikinnik, Mahonia nervosa (Cascade Oregon Grape), Birch-leafed spirea, Common Snowberry.

### **General**

"*Attracting Native Pollinators*" is a Xerces publication that I have had for many years, long before I became an Ambassador. It is a superb introduction to all of the below and additionally provides a great deal of pollinator-specific information for anyone that really wants to dig deeper." - David Kollen

"Bring Back the Pollinators" downloadable pdf:

[https://xerces.org/sites/default/files/publications/18-024\\_01\\_BBTP-POLL-Poster\\_web.pdf](https://xerces.org/sites/default/files/publications/18-024_01_BBTP-POLL-Poster_web.pdf)

"Bumble Bee Conservation" downloadable pdf:

[https://xerces.org/sites/default/files/publications/12-020\\_01\\_BumbleBeeConservation\\_web.pdf](https://xerces.org/sites/default/files/publications/12-020_01_BumbleBeeConservation_web.pdf)

"Pollinator Assessment Guide for Pollinators in Yards, Gardens, and Parks"

downloadable pdf:

[https://xerces.org/sites/default/files/publications/19-054\\_Poll\\_Protection\\_Cities\\_Campuses\\_web.pdf](https://xerces.org/sites/default/files/publications/19-054_Poll_Protection_Cities_Campuses_web.pdf)

"Pollinator Friendly Parks- How to Enhance Parks, Gardens, and Other Green Spaces for Native Pollinator Insects"

[https://xerces.org/sites/default/files/2018-05/08-008\\_02\\_XercesSoc\\_Pollinator-Friendly-Parks\\_web.pdf](https://xerces.org/sites/default/files/2018-05/08-008_02_XercesSoc_Pollinator-Friendly-Parks_web.pdf)

### **Avoid using pesticides**

#### **Smarter Pest Management: Protecting Pollinators at Home**

Most of North America's native bee species only forage over a distance of a few hundred yards, so with a little planning, your yard can provide a safe space for bees and other pollinators to thrive. All you need to give them are flowering plants throughout the growing season, undisturbed places to nest, and protection from pesticides. This Xerces Society guide will help you with the last item, managing yard pests in a pollinator-friendly way.

#### **Smarter Pest Management: Pollinator Protection for Cities and Campuses**

This Xerces Society fact sheet introduces to city and campus land managers the concept of integrated pest management (IPM), a system that emphasizes prevention first and seeks to eliminate the underlying causes of plant diseases, weeds, and insect problems rather than relying on routine use of pesticides.

#### **Protecting Pollinators from Pesticides: Fungicide Impacts on Pollinators**

From large farms to small backyard gardens, many people use fungicides to control plant pathogens. While insecticides have long been recognized as a threat to bees and other beneficial insects, fungicides have generally been assumed to be relatively harmless. Though most fungicide exposures won't kill a bee immediately, a growing body of research suggests that some fungicides can cause subtle yet significant harm. This Xerces Society fact sheet delves into how these impacts on pollinators occur, and offers mitigation measures and alternative pest management strategies.

#### **Protecting Bees from Neonicotinoids in Your Garden**

Neonicotinoids are a group of insecticides that are used widely on farms, as well as around our homes, schools, and city landscapes. This Xerces Society brochure explains why they are a risk to bees, gives examples of neonicotinoid garden products, and gives some simple tips for protecting bees from these insecticides.

"Organic Pesticides- Minimizing Risks to Pollinators and Beneficial Insects"

downloadable pdf: [https://xerces.org/sites/default/files/publications/13-053\\_web-print.pdf](https://xerces.org/sites/default/files/publications/13-053_web-print.pdf)

## **Provide pollinator-friendly floral resources**

### **Buying Bee-Safe Plants**

Creating a welcoming home for local pollinators in your home garden or city park habitat is reason enough to choose plants free from harmful pesticide residues. Nurseries are more likely to make investments in pollinator-friendly production if their customers make it clear this is what they want. Xerces guide, "Buying Bee-Safe Plants," covers four ways to help you find plants that are safe for bees, and includes tips and questions to use at the nursery.

### **"Pollinator Plants: Maritime Northwest Region"**

[https://xerces.org/sites/default/files/2018-05/17-048\\_03\\_XercesSoc\\_Pollinator-Plants\\_Maritime-Northwest-Region\\_web-4page.pdf](https://xerces.org/sites/default/files/2018-05/17-048_03_XercesSoc_Pollinator-Plants_Maritime-Northwest-Region_web-4page.pdf)

### **"Establishing Pollinator Meadows from Seed"**

[https://xerces.org/sites/default/files/2018-05/15-020\\_02\\_XercesSoc\\_Establishing-Pollinator-Meadows-from-Seed\\_web.pdf](https://xerces.org/sites/default/files/2018-05/15-020_02_XercesSoc_Establishing-Pollinator-Meadows-from-Seed_web.pdf)

### **"A Guide to the Native Milkweeds of Oregon"**

[https://xerces.org/sites/default/files/2018-05/12-023\\_05\\_XercesSoc\\_NativeMilkweeds\\_Oregon\\_web.pdf](https://xerces.org/sites/default/files/2018-05/12-023_05_XercesSoc_NativeMilkweeds_Oregon_web.pdf)

## **Create a habitat that includes nesting opportunities and shelter**

"Nesting and Over-wintering Habitat" downloadable pdf:

<https://xerces.org/sites/default/files/publications/18-014.pdf>

## **Get involved**

"Pocket Guide to Identifying the Bees of Portland"

downloadable pdf: <https://xerces.org/sites/default/files/publications/19-036.pdf>

"Butterflies and Moths to Expect in Portland"

downloadable pdf: <https://xerces.org/sites/default/files/publications/19-037.pdf>

Bee Campus USA Program, downloadable pdf

<https://xerces.org/sites/default/files/publications/20-035.pdf>

Bee City USA Program, downloadable pdf

<https://xerces.org/sites/default/files/publications/20-034.pdf>

## **More about Plant Have Wings film**

Created by Connectivity Project (CP), an educational film series with accompanying curriculum presenting stories examining the ripple effects of our actions and how they affect our shared world. Plant Have Wings, one of the episodes in the series, highlights pollinators and plants and our own role in the ever important (and amazing) pollination process. By shedding light on the interconnected nature between the environment, our lives and society, CP combines documentary storytelling with rich and beautiful imagery, in-depth curriculum, and a curated collection of compelling resources. Our mission is to catalyze an understanding in each viewer to see the interconnections at play all around them, and to inspire ways to intentionally participate in creating a better world for everyone. To learn more visit us at [www.connectivityproject.com](http://www.connectivityproject.com)

Please feel free to contact Rose Madrone to learn more or to schedule a presentation:  
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