

Wetland Pollinator Plants



Ducks Unlimited
Canada

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Pollinators need a continuous succession of plants flowering from early spring through fall



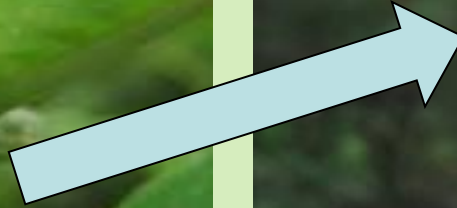
Pollinator Needs – Floral Resources

Variety of food sources to satisfy different species' needs



Pollinator Needs – Floral Resources

Pollinator life cycle may depend on different plants



Wetland Pollinator Plants

Marsh Marigold

Caltha palustris

- Pollinator value: medium
- Bloom time: April - May
- Height: low
- Light requirements: full sun
- Habitat: marshes, stream banks, wet ditches
- Soil moisture: moist, wet
- Pollinators: Syrphid flies, Ants, Cuckoo bees



Wetland Pollinator Plants

Canada Anemone

Anemone canadensis

- Pollinator value: Pollen, no nectar
- Bloom time: May - July
- Height: < .5 meter
- Light requirements: full sun
- Habitat: rich woods/ thickets
- Soil moisture: Moist
- Pollinators: mining bees, small carpenter bees, sweat bees, yellow faced bees, beetles, flies



Wetland Pollinator Plants

White Turtlehead

Chelone glabra

- Pollinator value: medium
- Bloom time: June to August
- Height: ~ 1+ meter
- Light requirements: full sun to shade
- Habitat: marshes, stream banks, wet ditches, low meadows, woodlands
- Soil moisture: moist, wet
- Pollinators: long horned bees, bumblebees
- Host plant: Baltimore Checkerspot butterfly



Wetland Pollinator Plants

Canada Tick Trefoil

Desmodium canadense

- Pollinator value: medium
- Bloom time: July to August
- Height: ~ 1+ meter
- Light requirements: full sun to partial sun
- Habitat: variety of soil types
- Soil moisture: moist, wet
- Pollinators: leafcutter bee, sweat bee, bumblebees,
- Host plant: Northern Cloudwing Butterfly, Southern Cloudwing and Hoary Edge (all rare in Canada)



Wetland Pollinator Plants

Swamp Milkweed

Asclepias incarnata

- Pollinator value: very high
- Bloom time: July to August
- Height: ~ 1 meter
- Light requirements: full sun to partial sun
- Habitat: variety of soil types
- Soil moisture: moist, wet
- Pollinators: bee, bumblebees, wasps
- Host plant: Monarch butterfly
- Only Common Milkweed (*Asclepias syriaca*) in Newfoundland



Wetland Pollinator Plants

Blue Flag Iris

Iris versicolor

- Pollinator value: high
- Bloom time: July – September
- Height: ~ 1 meter
- Light requirements: full sun
- Habitat: wet woods and meadows and along shorelines of lakes, rivers and ponds
- Soil moisture: Moist
- Pollinators: bumblebees, bees, butterflies and moths



Wetland Pollinator Plants

Purple Giant Hyssop

Agastache scrophulariifolia

- Pollinator value: very high
- Bloom time: July – September
- Height: ~ 1 meter
- Light requirements: full sun to part shade
- Habitat: rich woods/ thickets
- Soil moisture: Moist
- Pollinators: native bees, honey bees
- Ontario only; other varieties of hyssop available, but not native or invasive if planted.



Wetland Pollinator Plants

Blazing Star species

Liatris sp.

- Pollinator value: high
- Bloom time: July to September
- Height: ~ 1+ meter
- Light requirements: full sun
- Habitat: variety of soil types
- Soil moisture: dry to moist
- Pollinators: bumblebees, bee flies, wide variety butterflies, Monarch (adults)
- Host plant: Bleeding Flower moth
- *L. spicata* (ON/QC) and *L. punctata* (MB)



Wetland Pollinator Plants

Spotted Joe Pye Weed

Eutrochium maculatum

- Pollinator value: high
- Bloom time: July to September
- Height: ~ 2+ meter
- Light requirements: full sun
- Habitat: variety of soil types
- Soil moisture: moist, wet
- Pollinators: wide variety butterflies, bumblebees, Assassin bugs, Monarch
- Host plant: Ruby tiger moth



Wetland Pollinator Plants

Common Boneset

Eupatorium perfoliatum

- Pollinator value: medium
- Bloom time: July to October
- Height: ~ 1+ meter
- Light requirements: full sun to partial sun
- Habitat: variety of soil types
- Soil moisture: moist, wet
- Pollinators: sweat bee, mining bees, bumblebees, Assassin bugs (predator), Monarch (adults)
- Host plant: moths



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Wetland Pollinator Plants

New England Aster

Symphotrichum novae-angliae

- Pollinator value: high
- Bloom time: August - October
- Height: ~ 1+ meter
- Light requirements: full sun
- Habitat: variety of soil types
- Soil moisture: moist, wet
- Pollinators: Mining bee, leafcutter bees, butterflies and moths
- Host plant: Pearl Crescent Butterfly



- **Water** - from plants, ponds, streams, bird bath
- **Shelter**
 - Nesting or egg-laying
 - Over-wintering sites
 - Other resources – oils, resins, mud, leaves, minerals



Pollinator Needs

SUPPORT NATIVE BEES

Moist Soil



Culver's Root
Veronicastrum virginicum



Swamp Milkweed
Asclepias incarnata



Obedient Plant
Physostegia virginiana



Ironweed
Vernonia fasciculata



White Turtlehead
Chelone glabra



Blue Lobelia
Lobelia siphilitica



Fringed Loosestrife
Lysimachia ciliata



Joe Pye Weed
Eutrochium maculatum



New England Aster
Symphyotrichum novae-angliae



Common Boneset
Eupatorium perfoliatum



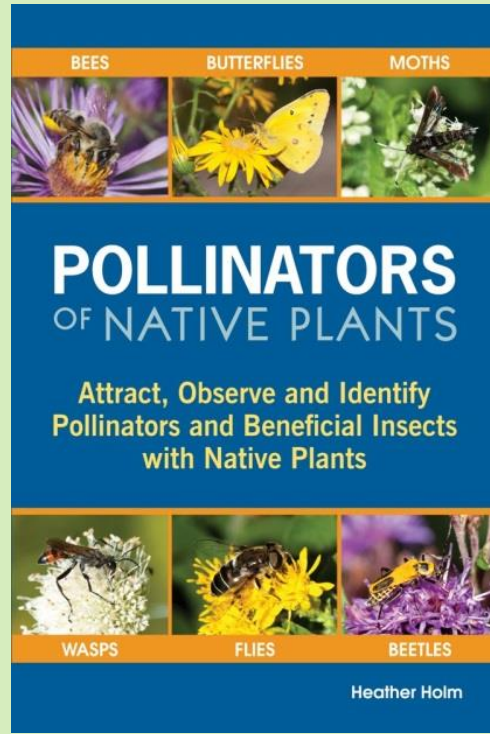
Blue Vervain
Verbena hastata



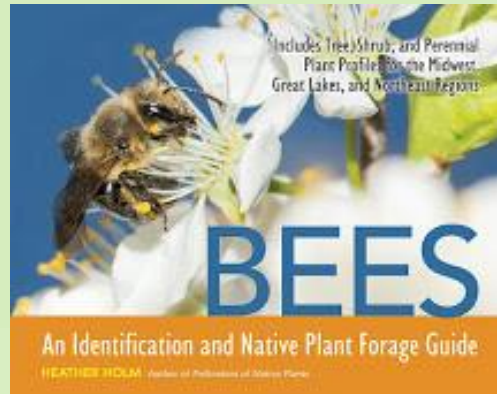
Mountain Mint
Pycnanthemum virginianum

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PLANT NATIVE PLANTS



By Heather Holm



PLANTING FOR POLLINATORS RAIN GARDENS



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Bumblebee
(hairy abdomen)



Carpenter bee
(hairless abdomen)

What can you do?

- Get outside and observe native species and learn to tell them apart!
- Improve habitat
- Contribute to citizen science efforts such as **Bumble Bee Watch**
- <https://www.bumblebeewatch.org/>

An advertisement for the Bumble Bee Watch app. The top left features the text "Bumble Bee WATCH" in a white serif font on a yellow background, with a white bee icon inside a camera viewfinder. The top right has the text "SHARE YOUR NEXT BUMBLE BEE OBSERVATION USING OUR NEW IPHONE AND IPAD APP!" in white on a dark background. The bottom left shows logos for uOttawa, Natural History Museum, York University, BeeSpotter, and Xerces Society. The bottom right shows a close-up of a bumblebee on a flower. Navigation arrows are present in the corners.