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PLANTS

FOR

POLLINATORS



A GUIDE FOR GARDENERS, FARMERS, AND LAND MANAGERS IN THE

THOMPSON-OKANAGAN PLATEAU ECOREGION

> PENTICTON, KELOWNA, VERNON, AND KAMLOOPS

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This is one of several guides for different regions of North America. We welcome your feedback to assist us in making the future guides useful. Please contact us at

feedback@pollinator.org

SELECTING PLANTS FOR POLLINATORS

A GUIDE FOR

GARDENERS, FARMERS,

AND LAND MANAGERS

IN THE

THOMPSON-OKANAGAN PLATEAU



PENTICTON,

KELOWNA, VERNON,

AND KAMLOOPS

A NAPPC AND POLLINATOR PARTNERSHIP CANADA[™] PUBLICATION

WHY SUPPORT POLLINATORS?

IN THEIR 1996 BOOK, *THE FORGOTTEN POLLINATORS*, Buchmann and Nabhan estimated that animal pollinators are needed for the reproduction of 90% of flowering plants and one third of human food crops. Each of us depends on these industrious pollinators in a practical way to provide us with the wide range of foods we eat. In addition, pollinators are part of the intricate web that supports the biological diversity in natural ecosystems that helps sustain our quality of life.

Abundant and healthy populations of pollinators can improve fruit set and quality, and increase fruit size. In farming situations this increases production per hectare. In the wild, biodiversity increases and wildlife food sources increase. Agricultural production in the Thompson-Okanagan Plateau ecoregion is extremely diverse, including fruit trees, grapes, field vegetables, and berries, most of which rely on honey bees and native bees for pollination. British Columbia supports over 450 native species of bees. With over 350 of these species being native to the Okanagan, this region supports the highest diversity of native pollinator species in all of Canada! Further, honey bees pollinate more than \$4 billion worth of crops in Canada each year.

Unfortunately, the numbers of many native pollinators are declining. They are threatened by habitat loss, disease, climate change, and the excessive and inappropriate use of pesticides. As a result, research and conservation efforts to support pollinators have increased. Honey bee colony losses have significantly impacted beekeepers. Parasites, disease, pesticide use, insufficient nutrition, and transportation practices all impact honey bee health, and this in turn can impact the commercial pollination services honey bees provide. The efforts to understand the threats to commercial bees should help us understand other pollinators and their roles in the environment as well.

It is imperative that we take immediate steps to help pollinator populations thrive. The beauty of the situation is that by supporting pollinators' need for habitat, we support our own needs for food and support diversity in the natural world.

Thank you for taking time to consult this guide. By adding plants to your landscape that provide food and shelter for pollinators throughout their active seasons and by adopting pollinator friendly landscape practices, you can make a difference to both the pollinators and the people that rely on them.

Val Docini Executive Director Pollinator Partnership 66 **FLOWERING PLANTS ACROSS WILD.** FARMED AND EVEN **URBAN LANDSCAPES ACTUALLY FEED THE** TERRESTRIAL WORLD. AND POLLINATORS **ARE THE GREAT CONNECTORS WHO ENABLE THIS GIANT** FOOD SYSTEM TO WORK FOR ALL WHO EAT... INCLUDING US.

ROGER LANG, CHAIRMAN,
POLLINATOR PARTNERSHIP

GETTING STARTED





THIS REGIONAL GUIDE IS JUST ONE in a series of plant selection tools designed to provide you with information on how to plant local native plants for pollinators. Each of us can have a positive impact by providing the essential habitat requirements for pollinators including food, water, shelter, and enough space to raise their young.

Pollinators travel through the landscape without regard to property ownership or provincial boundaries. We've chosen to use the ecoregional classification system and to underscore the connections between climate and vegetation types that affect the diversity of pollinators in the environment.

The Canadian ecoregions are based on the National Ecological Framework Report. The National Ecological Framework for Canada is a system created as a management tool and is used to predict responses to land management practices throughout large areas. This guide addresses pollinator-friendly land management practices in what is known as the Thompson-Okanagan Plateau ecoregion. The Thompson-Okanagan Plateau ecoregion encompasses the southern section of the Interior Plateau on the mainland of British Columbia. This ecoregion is experiencing significant growth as this area has become a favoured retirement place.

The seasonal cycle of sun and shade within the forests has created a changing pattern of bloom time for food plants and shelter needs for foraging, nesting, and migrating pollinators. Farms and residential areas provide a diverse range of soil types in both sunny and shady areas. With this diversity of locations many different species of plants may be used to improve pollinator habitats where they are lacking. Long before there were homes and farms in the Thompson-Okanagan Plateau ecoregion, natural vegetation provided essential opportunities for wildlife, including pollinators. Farmers, land managers, and gardeners in this region have a wide palette of plants to use in the landscape. In choosing plants, aim to create habitat for pollinators that allow adequate food, shelter, and water sources. Most pollinators have very small home ranges. You will make a difference by understanding the vegetation patterns on the farm, forest, or neighbour's yard adjacent to your property. With this information in hand, your planting choices will better support the pollinators' need for food and shelter as they move through the landscape.

UNDERSTANDING



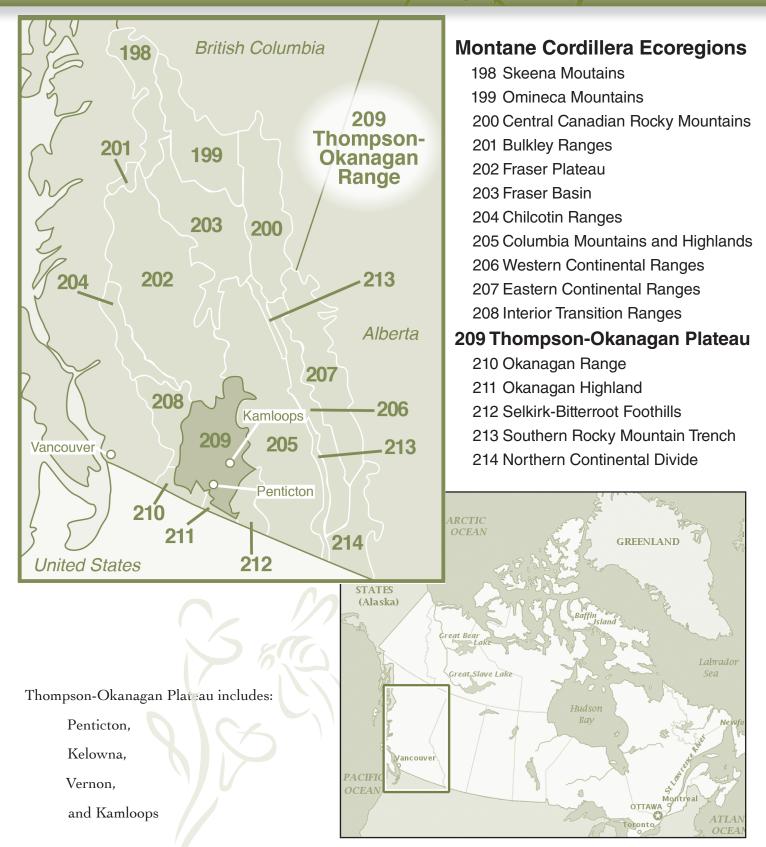
THE THOMPSON-OKANAGAN PLATEAU

- The Thompson-Okanagan Plateau is part of the larger Montane Cordillera Ecozone. It encompasses the southern section of the Interior Plateau on the mainland of British Columbia. The total population of the ecoregion is about 344, 500, and growing.
- The topography is characterized by rolling plateaus, major valley systems of the Okanagan, Thompson and Nicola rivers, and a great diversity of rocks (granitic plutonic, volcanic, and sedimentary)
- Not sure about which region you live or work in? Go to www. pollinator.org/guides and click on Ecoregion Locator for help.
- Mean summer temperature of the major valleys is 15°C and the mean winter temperature is -3.5°C. Summer temperatures can reach highs of above 30°C.
- Mean annual precipitation ranges from 250-300 mm in the major valleys to over 1000 mm in subalpine and alpine areas. Plateau regions receive 400-600 mm.
- One of the driest ecoregions in Canada due to a pronounced rainshadow cast by the massive Coast Mounains of British Columbia.

CHARACTERISTICS

- The dominant forest type in this ecoregion is coniferous, including ponderosa pine or Douglas-fir in the valleys, and lodgepole pine and Douglas-fir at higher elevations.
- Vegetation in the valleys and basins is typically steppe or bunchgrass prairie that usually contains big sagebrush and occasionally ponderosa pine.
- Grassland ecosystems were once common in this ecoregion prior to European settlement, but urban and industrial development in the Thompson-Okanagan Plateau has led to the disappearance of nearly 13, 500 hectares of grasslands.
- X Land use includes grazing, forage production, orchards, wateroriented recreation, and residential development at lower elevations, and woodland grazing, forestry, hunting, and recreation at mid-high elevations.
- X Approximately 10% of this ecoregion is farmland, with intensive residential and industrial land use characterizing much of the region.
- The Okanagan Valley is one of the four significant agricultural areas in BC. Orchards, vineyards, and cash crops take advantage of favourable soil conditions. Cattle ranching is dominant throughout much of the other interior plateau and valley lands.





MEET THE POLLINATORS



Black-chinned Hummingbird, a summer species in the Thompson-Okanagan Plateau ecoregion.



Pale Swallowtail

WHO ARE THE POLLINATORS?

BEES

Bees are the best documented pollinators in the natural and agricultural landscapes of the Thompson-Okanagan ecoregion. A wide range of wild and crop plants, including plants in the Aster and Rose families, agricultural crops, specialty crops, and some forage crops, all benefit from bee pollinators. Most of us are familiar with the colonies of honey bees that have been the workhorses of agricultural pollination for years in Canada. They were imported from Europe almost 400 years ago and continue to be managed for honey production and pollination services. However, few are aware that there are over 800 species of native ground and twig nesting bees in Canada! Most of these bee species live a solitary life; a minority are social and form colonies or nest in aggregations.

Native bees visit and pollinate many crops; in many cases they are better at transferring pollen than honey bees. Our native bees can be encouraged to do more to support agricultural endeavours if their needs for nesting habitat are met and if suitable sources of nectar, pollen, and water are provided. Bees come in a variety of body shapes and sizes, and even have tongues of different lengths. Native bees visit the widest range of flowers and crops of any pollinator group.

There are over 35 species of bumble bees in BC. Bombus nevadensis is our largest; and Bombus insularis is a cleptoparasitic bee (cuckoo bee), laying her eggs in other bumble bee nests. Bumble bees (Bombus spp.) form small colonies, usually underground making use of old rodent burrows or dense thatches. They are generalists, feeding on a wide range of plant types from May to September and are important pollinators of tomatoes and blueberries. Sweat bees (family Halictidae) are medium to smallsized, slender bees that commonly nest underground. Various species are solitary while others form loose colonies, nesting side-by-side. Other common solitary bees include mining bees, (*Andrena* spp.), which nest underground and are common in the spring; leaf-cutter bees (*Megachile* spp.), which prefer dead trees or branches for their nest sites; and mason bees (*Osmia* spp.), which utilize cavities they find in stems and dead wood that they fill with mud.

BUTTERFLIES

Butterflies prefer open and sunny areas such as meadows and along woodland edges that provide bright flowers, water sources, and specific host plants for their caterpillars. Gardeners have been attracting butterflies to their gardens for some time.

To encourage butterflies place flowering plants where they have full sun and are protected from the wind. They usually look for flowers that provide a good landing platform. Butterflies need open areas (e.g., bare earth, large stones) where they can bask, and moist soil from which they wick needed minerals. Butterflies eat rotten fruit and even dung, so don't clean up all the messes in your garden! By providing a safe place to eat and nest, gardeners can also support the pollination role that butterflies play in the landscape.

British Columbia has the largest diversity of butterflies in Canada, with 187 known species! Some of the butterflies that have been found in the Thompson-Okanagan Plateau ecoregion include the pale swallowtail (*Papilio eurymedon*), Stella's orangetip (*Anthocharis stella*), common wood nymph (*Cercyonis pegala*), and the alfalfa sulphur (*Colias eurytheme*).

MOTHS

Moths are most easily distinguished from butterflies by their antennae. Butterfly antennae are simple with a swelling at the end. Moth antennae differ from simple to featherlike, but never have a swelling at the tip. Butterfly bodies are not very hairy, while moth bodies are quite hairy and much stouter. In addition, butterflies typically are active during the day; moths at night. They are attracted to flowers that are strongly sweet smelling, open in late afternoon or night, and are typically white or pale coloured.

BEETLES

There are more than 9000 species of beetles in Canada and many of them can be found easily by looking inside flower heads. Gardeners have yet to intentionally draw beetles to their gardens, possibly because beetle watching isn't as inspiring as butterfly or bird watching. Yet beetles do play a role in pollination. Some have a bad reputation because they can leave a mess behind, damaging plant parts as they eat pollen. Beetle pollinated plants tend to be large, strong scented flowers and have the anthers and stigma exposed. Beetles are known to pollinate magnolia, American pawpaw, and yellow pond lilies.

FLIES

It may be hard to imagine why one would want to attract flies to the garden. However, flies are one of the most diverse group of pollinators. They include colouful flower flies and hover flies (*Syrphidae*), active bee flies (*Bombylüdae*), and tiny midges that visit many plant species. Like bees, flies are hairy and can easily transport pollen from flower to flower. Flies primarily pollinate small flowers that bloom in shade and in seasonally moist habitats, but are also economically important as pollinators for a range of annual and bulbous ornamental flowers. Plants pollinated by flies include the American pawpaw (*Asimina triloba*), skunk cabbage (*Symplocarpus foetidus*), goldenrod (*Solidago* spp.), and members of the carrot family (*Daucus* spp.)

BIRDS

Hummingbirds are the primary birds that play a role in pollination in North America. Their long beaks and tongues draw nectar from tubular flowers. Pollen is carried on both their beaks and feathers. Regions closer to the tropics, with warmer climates, boast the largest number of hummingbird species and the greatest number of native plants to support their need for food.

Hummingbirds can see the colour red; bees cannot. Many tropical flowers grown as annuals, along with native woodland edge plants, attract hummingbirds. There are a number of hummingbirds that spend the summer in British Columbia.

BATS

Though bat species in Canada are not pollinators, bats in the Southwestern United States and Mexico are important pollinators of agave and cactus. The head shape and long tongues of nectar bats allows them to delve into flower blossoms and extract both pollen and nectar; pollen covers their hairy bodies and is transferred as they move from plant to plant.

SPECIES AT RISK

Species at Risk (SAR) are ones whose survival is endangered, threatened, or of special concern. Some pollinator species such as the Karner blue butterfly have already been extirpated from some regions in Canada. The Behr's hairstreak butterfly, found in the Thompson Okanagan Plateau, is provincially red-listed in BC. snow buckwheat (Eriogonum niveum) can be planted as a host plant to provide habitat for this, and other, butterfly species. Other species that were once common have become rare, such as the Western bumble bee (Bombus occidentalis). Because habitat loss is one of the largest threats facing many pollinators, the very best thing you can do is plant for them.

SAR Profile: Western bumble bee

- The Western bumble bee (*Bombus occidentalis*) used to be one of the most common bumble bees in the western Canada and parts of western USA.
- The southern subspecies has become rare since the 1990s, possibly due to pathogens that transfered from managed bumble bees to wild populations, and habitat loss.
- It was designated as 'Threatened' in 2014 but currently has no status under the Species at Risk Act.
- Recently, there are signs that some populations of the Western bumble bee may be recovering in the US.

PLANT TRAITS



WHICH FLOWERS DO THE POLLINATORS PREFER?

NOT ALL POLLINATORS ARE found in each province, and some are more important in different parts of Canada. Use this page as a resource to understand the plants and pollinators where you live.

Plants can be grouped together based on the similar characteristics of their flowers. These floral characteristics can be useful to predict the type of pollination method or animal that is most effective for that group of plants. This association between floral characteristics and pollination method is called a pollination syndrome.

The interactions of animal pollinators and plants have influenced the evolution of both groups of organisms. A mutualistic relationship between the pollinator and the plant species helps the pollinator find necessary pollen and nectar sources and helps the plant reproduce by ensuring that pollen is carried from one flower to another.

| Dlant | F | Pollinat | or | |
|------------------|--|--|--|--|
| Plant Trait | Bees | Beetles | Birds | |
| Colour | Bright white, yellow, blue, or UV | Dull white, yellow, or green | Scarlet, blue, orange, red or white | |
| Nectar Guides | Present | Absent | Absent | |
| Odour | Fresh, mild, pleasant | None to strongly fruity or fetid | None | |
| Nectar | Usually present | Sometimes present; not hidden | Ample; deeply hidden | |
| Pollen | Limited; often sticky and scented | Ample | Modest | |
| Flower Shape | Shallow; have landing platform; tubular | Large bowl-like | Large funnel like; cups, strong perch support | |

This chart and more information on pollinator syndromes can be found at:



AND THE POLLINATORS THEY ATTRACT

Pollinator

| Plant Trait | Butterflies | Flies | Moths | Wind |
|------------------|---|--|--|---|
| Colour | Bright, including red and purple | Pale and dull to dark brown or purple; flecked with translucent patches | Pale and dull red, blue, purple, pink or white | Dull green, brown, or colourless; petals absent or reduced |
| Nectar Guides | Present | Absent | Absent | Absent |
| Odour | Faint but fresh | Putrid | Strong sweet; emitted at night | None |
| Nectar | Ample; deeply hidden | Usually absent | Ample; deeply hidden | None |
| Pollen | Limited | Modest in amount | Limited | Abundant; small, smooth, and not sticky |
| Flower Shape | Narrow tube with spur; wide landing pad | Shallow; funnel like or complex and trap-like | Regular; tubular without a lip | Regular; small and stigmas exerted |

http://www.fs.fed.us/wildflowers/pollinators/syndromes.shtml

DEVELOPING LANDSCAPE PLANTINGS THAT PROVIDE POLLINATOR HABITAT

WHETHER YOU ARE A FARMER of many hectares, land manager of a large tract of land, a conservation or restoration specialist, or a gardener with a small lot, you can increase the number of pollinators in your area by making conscious choices to include plants that provide essential habitat for bees, butterflies, moths, beetles, hummingbirds, and other pollinators.

FOOD:

Flowers provide nectar (high in sugar and necessary amino acids) and pollen (high in protein) to pollinators.

Fermenting fallen fruits also provide food for bees, beetles, and butterflies.

Specific plants, known as host plants, are eaten by the larvae of pollinators such as butterflies.

- Plant in groups to increase pollination efficiency. If a pollinator can visit the same type of flower over and over, it doesn't have to relearn how to enter the flower and can transfer pollen to the same species, instead of squandering the pollen on unreceptive flowers.
- Plant with bloom season in mind, providing food from early spring to late fall. (see Bloom Periods pp.16-19)
- Plant a diversity of plants to support a variety of pollinators. Flowers of different colour, fragrance, and season of bloom on plants of different heights will attract different pollinator species and provide pollen and nectar throughout the seasons.
- Many herbs and annuals, although not native, are very good for pollinators. Mint, oregano, garlic,

chives, parsley and lavender are just a few herbs that can be planted. Old fashioned zinnias, cosmos, and single sunflowers support bees and butterflies. Non-native crops, herbs, and ornamental flowers should only be planted in gardens.

- Recognize weeds that might be a good source of food. For example, dandelions provide nectar in the early spring before other flowers open.
- Learn and utilize Integrated Pest Management (IPM) practices to address pest concerns. Minimize or eliminate the use of pesticides.

SHELTER:

Pollinators need protection from severe weather and from predators as well as sites for nesting and roosting.

- Incorporate different canopy layers in the landscape by planting trees, shrubs, and different-sized perennial plants.
- Leave dead snags for nesting sites of bees, and other dead plants and leaf litter for shelter.
- Avoid applying thick layers of mulch that are hard to dig through.
- Build bee boxes to encourage solitary, non-aggressive bees to nest on your property.
- Ground nesting bees are also attracted to lawns and short grass areas, especially if there is a south facing slope.
- Leave some areas of soil uncovered to provide ground nesting insects easy access to underground tunnels.
- Group plantings so that pollinators can move safely through the

landscape protected from predators.

• Include plants that are needed by butterflies during their larval development.

WATER:

Some pollinators use and benefit from having a clean, fresh water source.

- Most pollinators receive their water needs through their food or by other means (eg. butterflies wick their nutrients from muddied waters, or fermenting fruit) making clean water a non-essential component.
- If you do include a water source, ensure that the source has a shallow or sloping side so the pollinators can easily approach the water without drowning.

Your current landscape probably includes many of these elements. Observe wildlife activity in your farm fields, woodlands, and gardens to determine what actions you can take to encourage other pollinators to feed and nest. Evaluate the placement of individual plants and water sources and use your knowledge of specific pollinator needs to guide your choice and placement of additional plants and other habitat elements. Minor changes by many individuals can positively impact the pollinator populations in your area. Watch for - and enjoy - the changes in your landscape!

• CAUTION LAND MANAGERS: Remember that many insecticides are toxic to pollinators. Extreme caution is warranted if you choose to use any insecticide. Strategically apply insecticides only for problematic target species.



Farmers have many opportunities to incorporate pollinator-friendly land management practices on their land which will benefit the farmer in achieving his or her production goals.

Many tree fruit, berry, and vegetable crops are grown in British Columbia, and they will benefit from strong native bee populations that boost pollination efficiency. Incorporate different plants throughout the farm that provide food for native populations when targeted crops are not in flower.

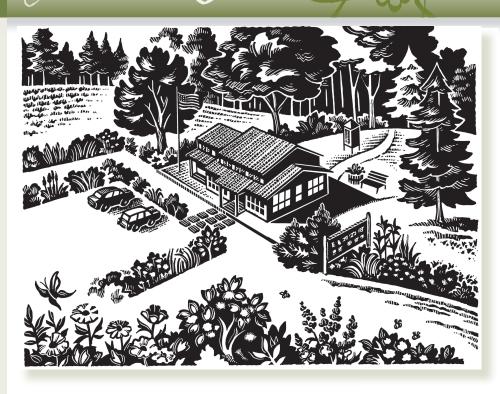
• Minimize the use of insecticides to reduce the impact on native pollinators. Spray when bees aren't active (after dark or just before dawn) and choose targeted ingredients.

- Use of Integrated Pest Management (IPM) strategies is highly recommended. Use insecticides that cause the least harm to non-target organisms and only use when pests reach economic thresholds.
- Use herbicides only when essential to get a viable crop. Some weeds can provide needed food for pollinators.
- Till as little as possible to protect ground nesting pollinators.
- Whenever possible, create permanently untilled areas for ground nesting bees (eg. such as along internal farm laneways).
- Choose a variety of native plants to act as windbreaks, riparian buffers, and field borders throughout the farm.

- Plant unused areas of the farm with temporary cover crops that can provide food or with a variety of trees, shrubs, and flowers that provide both food and shelter for pollinators.
- Check with local not-for-profit organizations, or government agencies to see what technical support might be available to assist you in your effort to provide nectar, pollen, and larval food sources for pollinators on your farm.



PUBLIC LANDS



Public lands are maintained for specific reasons ranging from high impact recreation to conservation. In British Columbia, forests have been cut to allow for roads, energy infrastructure, buildings, open lawn areas, boat ramps, and vistas. These other lands can provide benefits to pollinator when managed correctly. Pollinators are encouraged by timed mowing, opening tree canopies, and planting of native flowers. Less disturbed natural areas can be augmented with plantings of native plant species. Existing plantings around buildings and parking areas should be evaluated to determine if pollinator-friendly plants can be substituted or added to attract and support pollinators. Public land managers have a unique opportunity to use their plantings as an education tool to help others

understand the importance of pollinators in the environment through signs, brochures, and public programs.

In an effort to increase populations of pollinators the land manager can:

- Inventory and become knowledgeable about local pollinators.
- Provide connectivity between vegetation areas by creating corridors of perennials, shrubs, and trees that provide pollinators shelter and food as they move through the landscape.
- Maintain a minimum of lawn areas that support recreational needs.
- Restrict the use of insecticides and herbicides.
- Maintain natural meadows and openings that provide habitats for sun-loving wildflowers and grasses.
- Remove invasive species.



Gardeners have a wide array of plants to use in their gardens. Native plants, plants introduced from years of plant exploration from around the world, and plants developed by professional and amateur breeders can be found in garden centres, in catalogs, and on web-sites. Use your knowledge of pollinator needs and the plant list in this document to guide your choices.

- Choose a variety of plants that will provide nectar and pollen throughout the growing season.
- Resist the urge to have a totally manicured lawn and garden. Leave bare ground for ground nesting bees. Leave areas of dead wood and leaf litter for other insects.
- Find local resources to help you in your efforts. Contact your local native plant/botany study group, or other conservation organizations. Visit your regional botanic gardens and arboreta.

The scale of your plantings will vary but it is important to remember



that you are trying to provide connectivity to the landscape adjacent to your property. Don't just look within your property boundaries. If your neighbour's property provides an essential element, such as certain pollen and nectar resources, which can be utilized by pollinators visiting your land, you may be able to devote more space to habitat elements that are missing nearby.

It is best to use native plants which have evolved to support the needs of specific native pollinators. Some pollinators, however, are generalists and visit many different plants, both native and non-native. Be sure that any non-native plants you choose to use are not invasive. Remember that specialized cultivars sometimes aren't used by pollinators. Flowers that have been drastically altered, such as cultivars with double petals or completely different colour than the wild species, often prevent pollinators from finding and feeding on the flowers. In addition, some cultivars don't contain the same nectar and pollen resources that attract pollinators to the wild types.

• CAUTION: Take time to evaluate the source of your plant material. You want to ensure you get plants that are healthy and correctly identified. Your local native plant nursery can help you make informed decisions when searching for plants.



The following chart lists plants that attract pollinators. It is not exhaustive, but provides guidance on where to start. Annuals, herbs, weeds, and cover crops provide food and shelter for pollinators, too.

| Botanical Name | Common Name | Height | Flower Colour | Flower Season | Sun | Soil | Pollinators | Also a host |
|--------------------------------|--------------------------------|----------------|--------------------------|----------------------|-------------------------|-------------------------------|---|----------------|
| | | | Trees a | nd Shrubs | | | | |
| Acer glabrum var. Douglasii | Douglas Maple | 1-10m | yellow-green | April-May | sun to partial shade | dry to moist | bees | |
| Amelanchier alnifolia | Saskatoon | 1-5m | white | April | sun to partial shade | moist to dry | bees, flies | х |
| Arctostaphylos uva-ursi | Kinnikinnick | 0.05- 0.15m | pale pink | March-May | sun to partial shade | dry | bees, butterflies | х |
| Ceanothus sanguineus | Red-stem Ceanothus | 1-3m | white | May-June | partial shade | moist to dry | bees | |
| Ceanothus velutinus | Snowbrush Ceanothus | 0.5-2m | white | March-April | sun to partial shade | dry to moist | bees | |
| Cornus sericea | Red-Osier Dogwood | 2-4m | greenish- white | March-April | sun to partial shade | moist, well drained | butterflies | х |
| Crataegus douglasii | Black hawthorn | 1-8m | white | May-June | sun to partial shade | dry to moist | butterflies | х |
| Dasiphora fruticosa | Shrubby Cinquefoil | 1.3m | pale to bright yellow | April- September | sun | dry to moist | bees, flies | |
| Elaeagnus commutata | Silverberry or Wolf- willow | up to 3m | silvery yellow | May-June | sun | dry to moist | bees | |
| Ericameria nauseosa | Rabbitbrush | 1.0m | yellow | August- September | sun | dry, well drained | bees, butterflies, flies | |
| Holodiscus discolor | Oceanspray | 1-4m | cream-white | June-July | sun to partial shade | dry to moist | bees, butterflies | х |
| Mahonia aquifolium | tall Oregon-grape | 0.5-2.5m | yellow | March-April | sun to partial shade | dry to moist | bees, butterflies | |
| Penstemon fruticosus | Shrubby Penstemon | 0.15- 0.40m | blue- lavender | April-May | sun | dry to moist | bees, butterflies, flies, hummingbirds | |
| Philadelphus lewisii | Mock-orange | 1-3m | creamy white | May-June | sun | dry to moist | bees, butterflies | |
| Prunus virginiana | Chokecherry | 6-10m | cream-white | March-May | sun to partial shade | dry to moist, well drained | bees, butterflies, moths | х |
| Purshia tridentata | Antelopebrush | up to 2m | yellow | April-May | sun | dry | bees, butterflies, flies | х |
| Rhus glabra | Smooth Sumac | up to 3m | yellowish | March-April | sun | dry, well drained | bees | |
| Ribes cereum | Wax Currant | 0.5-1.5m | pale pink | Feb-March | sun to partial shade | dry to moist, well drained | bees, flies | х |







| Botanical Name | Common Name | Height | Flower Colour | Flower Season | Sun | Soil | Pollinators | Also a host |
|---------------------------------|-------------------------------|-----------------|---|-------------------------|--------------------------------|-------------------------------|------------------------------------|----------------|
| Rosa nutkana | Nootka rose | 1-3m | pink | May-June | sun, partial shade to shade | dry to moist | bees, butterflies | х |
| Rosa woodsii | Wood's Rose | 2m | deep pink | May | sun, partial shade to shade | dry to moist | bees | |
| Salix glauca | Grey-leaved Willow | up to 3m | greenish yellow | May-June | sun to partial shade | wet to moist | bees | |
| Salix scouleriana | Scouler's Willow | up to 10m | greenish | March-April | sun to partial shade | moist, well drained | bees | х |
| Salix sitchensis | Sitka Willow | 1-8m | greenish | March-April | sun to partial shade | moist to wet | bees | |
| Sambucus cerulea | Blue Elderberry | 2-2.5m | white | March-April | sun | moist to dry | bees | |
| Shepherdia canadensis | Buffaloberry | 1-2m | yellowish | March-May | partial to full shade | dry, well drained | bees | |
| Sorbus scopulina | Western Mountain- ash | 1-5m | white | March-May | sun to partial shade | moist | bees | |
| Symphoricarpos albus | Common Snowberry | 0.5-3m | pale pink- white | March-May | sun to partial shade | dry to moist | bees, butterflies | х |
| Symphoricarpos occindentalis | Western Snowberry | 0.3-1m | pale pink- white | March-May | sun to partial shade | dry to moist | bees, butterflies | х |
| Tetradymia canescens | Grey Horsebrush | up to 0.8m | creamy to bright yellow | late July- September | sun | dry | bees, butterflies, flies | |
| Vaccinium caespitosum | Dwarf blueberry | less than 1m | white to pinkish | May-July | sun | dry to moist, well-drained | bees, butterflies | х |
| | 1 | l | F | orbs | | | | |
| Achillea millefolium | Common Yarrow | 0.75m | white-pink | April-July | sun | dry | bees, beetles, butterflies | х |
| Allium cernuum | Nodding Onion | 0.3m | pink | March-May | sun | dry | bees, butterflies, hummingbirds | |
| Anaphalis margaritacea | Pearly Everlasting | up to 0.9m | white & yellow | June-July | sun to partial shade | dry to moist | bees, butterflies | |
| Antennaria dimorpha | Sagebrush Pussytoes | 0.1m | grey-white | February- March | sun | dry | bees, butterflies | |
| Antennaria rosea | Rosy Pussytoes | 0.1m | pale to rose pink | March-April | sun | dry | bees, butterflies | |
| Arabis holboelii | Hoelboel's Rockcress | 0.3m | white-pink | March-May | sun | dry | bees, butterflies | х |
| Aquilegia formosa | Sitka or Western Columbine | up to 0.5m | orange-red sepals; yellow inner petals | March-April | sun to partial shade | normal to moist | bees, butterflies, hummingbirds | |

CONTINUED FROM PAGE 17

PLANTS THAT ATTRACT POLLINATORS IN THE THOMPSON-OKANAGAN PLATEAU

| Botanical Name | Common Name | Height | Flower Colour | Flower Season | Sun | Soil | Pollinators | Also a host |
|-------------------------------|--------------------------------|---------------|---------------------|----------------------|-------------------------|--------------|---|----------------|
| Asclepias speciosa | Common Milkweed | up to 1m | pinkish- purple | May-June | sun | dry | butterflies, hummingbirds | х |
| Astragalus lentiginosus | Freckled Milk-vetch | 0.1-0.4m | pale yellow | May-June | sun | dry | bees, butterflies | |
| Astragalus miser | Timber Milk-vetch | 0.1-0.4m | whitish purple | April-June | sun | dry to moist | bees, butterflies | х |
| Astragalus purshii | Woollypod Milk- vetch | 0.05- 0.1m | purple | May-June | sun | dry | bees, butterflies | |
| Balsamorhiza sagittata | Arrow-leaved Balsamroot | 0.4-1.2m | yellow | March-April | sun to partial shade | dry | bees, flies | |
| Calochortus macrocarpus | Sagebrush Mariposa Lily | 0.2-0.5m | pale pink | May-June | sun | dry | bees, flies | |
| Campanula rotundifolia | Common Harebell | 0.1-0.8m | purple | June- September | sun to partial shade | dry to moist | bees, hummingbirds | |
| Castilleja miniata | Common Red Paintbrush | 0.8m | red | April-May | sun to partial shade | dry | bees | |
| Chamaenerion angustifolium | Fireweed | 1-3m | purlish-pink | June-August | sun | dry to moist | bees, hummingbirds | |
| Cirsium undulatum | Wavy-leaved Thistle | 1-2m | pale lilac- pink | May-July | sun | dry to moist | Important nectar source for a variety of butterflies and beetles | х |
| Crepis atribarba | Slender Hawksbeard | 0.15- 0.7m | yellow | May-July | sun | dry | bees, beetles, butterflies, flies | |
| Cryptantha torreyana | Torrey's Cat's-eye | 0.1-0.4m | white | April-June | sun | dry to moist | bees | |
| Delphinium nuttallianum | Upland or Nuttal's Larkspur | 0.4m | deep blue | March-April | sun | dry | bees, hummingbirds | |
| Erigeron corymbosus | Long-leaved Fleabane | 0.1-0.5m | white and pink | June-August | sun | dry | butterflies | х |
| Erigeron filifolius | Three-leaved Fleabane | 0.1-0.5m | pale purple | August- September | sun | dry | bees, beetles, butterflies, flies | |
| Erigeron pumilus | Shaggy Daisy | 0.1-0.3m | white | March-May | sun | dry | flies, bees | |
| Erigeron speciosus | Showy Fleabane | 0.4-0.8m | pale purple | August- September | sun to partial shade | dry to moist | bees, butterflies, flies | |
| Erigeron subtrinervis | Three-nerved daisy | 0.3-0.6m | pale purple | June-July | sun | dry | bees, butterflies, flies | |



| Botanical Name | Common Name | Height | Flower Colour | Flower Season | Sun | Soil | Pollinators | Also a host |
|---|--|----------------|-----------------------|----------------------|-------------------------|----------------------|---|----------------|
| Eriogonum heracleoides | Parsnip-flowered Buckwheat | 0.4m | orange-pink | April-June | sun | dry, well drained | bees, beetles, butterflies | х |
| Eriogonum niveum | Snow Buckwheat | 0.3m | white to pinkish | August- September | sun | dry | bees, butterflies | x |
| Eurybia conspicua | Showy Aster | up to 1m | violet | August- September | sun | dry to moist | bees, butterflies | х |
| Fritillaria affinis | Chocolate Lily | 0.8m | dark brown | March-May | light to deep shade | dry to moist | bees, other insects | |
| Fritillaria pudica | Yellow Bells | 0.02- 0.1m | dark yellow | March-April | sun | dry | bees, other insects | |
| Gaillardia aristata | Blanketflower | 0.2-0.7m | yellow to orange | May-October | sun | dry | bees, beetle (soft- winged flower beetle Listrus senilis), butterflies | |
| Geum macrophyllum | Large-leaved Avens | 0.3-1m | yellow | May-June | sun to partial shade | moist | bees, other insects | |
| Geum triflorum | Old Man's Whiskers | 0.2-0.4m | pink-pale lavender | March-April | sun to partial shade | dry | bees, other insects | |
| Grindelia squarrosa var. quasiperennis | Curly-cup Gumweed | up to 1m | yellow | July- September | sun | dry | bees, flies | |
| Helenium autumnale | Sneezeweed | up to 1m | yellow | September | sun | moist to wet | bees, butterflies, moths | |
| Heterotheca villosa | Golden-aster | 0.1-0.5m | yellow | July-October | sun | dry | bees, other pollinators | |
| Heuchera cylindrica | Round-leaf Alumroot or Yellow Coralbells | 0.3-0.5m | white-cream | May-July | sun to partial shade | dry | bees, butterflies, hummingbirds | |
| lpomopsis aggregata | Scarlet Gilia | 0.2-1m | red-orange | May-June | sun | dry | bees, butterflies, hummingbirds | |
| Lewisia rediviva | Bitterroot or Rock Rose | 0.01- 0.03m | white to deep rose | May | sun | dry | bees, beetles | |
| Linum lewisii | Lewis Blue Flax | 0.15- 0.6m | bright blue | June-August | sun | dry | bees, flies | |
| Lithophragma glabrum | Smooth Fringecup | 0.05- 0.25m | pinkish- purple | March-April | sun | moist to dry | bees, flies | |
| Lithophragma parviflorum | Small-flowered Woodland Star | 0.10- 0.30m | light pink | March-April | sun | moist to dry | bees, flies | |
| Lomatium ambiguum | Wyeth Biscuitroot | 0.10- 0.80m | yellow or white | May-June | sun | dry | bees, flies | |

CONTINUED FROM PAGE 19

PLANTS THAT ATTRACT POLLINATORS IN THE THOMPSON-OKANAGAN PLATEAU

| Botanical Name | Common Name | Height | Flower Colour | Flower Season | Sun | Soil | Pollinators | Also a host |
|------------------------------|------------------------------------|----------------|-------------------------------------|----------------------|-------------------------|--------------|---|----------------|
| Lomatium macrocarpum | Large-fruited Desert Parsley | 0.12- 50m | white or purplish- white | March-May | sun | dry | bees, beetles, butterflies, flies | |
| Lupinus sericeus | Silky Lupine | 0.3-0.6m | deep blue-dark lavendar | April-May | sun to partial shade | dry | bees, butterflies, hummingbirds | x |
| Mentzelia laevicaulis | Blazing-star | 0.3-1m | yellow | June- September | sun | dry | bees, butterflies, moths | |
| Mertensia longiflora | Long-flowered Bluebell | 0.05- 0.25m | blue | Mar-May | sun to partial shade | dry to moist | bees | |
| Monarda fistulosa | Wild Bee Balm | 0.3-0.7m | purple | July-August | sun to partial shade | dry to moist | bees, other insects | |
| Opuntia fragilis | Brittle Prickly-pear Cactus | 0.05- 0.2m | orange- tinged yellow | May-July | sun | dry | bees, other insects | |
| Opuntia polyacantha | Many-spined Prickly-pear Cactus | 0.05- 0.2m | orange- tinged yellow | May-July | sun | dry | bees, other insects | |
| Penstemon confertus | Yellow Penstemon | 0.5m | cream- coloured | April-June | sun | dry to moist | bees, butterflies, flies, hummingbirds | |
| Penstemon procerus | Little Penstemon | up to 0.25m | deep blue lavender | June-August | sun | dry | bees, butterflies, flies, hummingbirds | |
| Penstemon richardsonii | Richardson's Penstemon | up to 0.75m | bright pink | July- September | sun | dry to moist | bees, butterflies, flies, hummingbirds | |
| Phacelia hastata | Silver-leaf phacelia | up to 0.5m | white | April-May | sun | dry to moist | bees | |
| Phacelia linearis | Three-leaved phacelia | 0.10- 0.50m | lavender- blue | March-May | sun | dry to moist | bees, beetles, flies | |
| Phlox longifolia | Long-leafed Phlox | 0.1-0.4m | white, lavender, or deep pink | April-May | sun | dry | bees | |
| Potentilla gracilis | Slender Cinquefoil | 0.4m | yellow | June-July | sun to partial shade | moist to dry | bees, butterflies, other insects | |
| Sedum divergens | Spreading Stonecrop | 0.05- 0.15m | yellow | late June-July | sun | dry | bees, other insects | |
| Sedum lanceolatum | Lance-leaved Stonecrop | 0.05- 0.25m | yellow | late June-July | sun | dry | bees, other insects | |
| Solidago canadensis | Canada Goldenrod | 0.3- 1.65m | gold | August- October | sun | dry to moist | bees, other insects | |
| Symphyotrichum ciliolatum | Lindley's Aster | 0.25- 1.0m | pale blue | August- September | sun | dry to moist | bees, butterflies | х |

| Botanical Name | Common Name | Height | Flower Colour | Flower Season | Sun | Soil | Pollinators | Also a host |
|-------------------------------------|-------------------------------|---------------|--------------------------|--------------------|-------------------------|-------------------------------|--|----------------|
| Symphyotrichum ericoides | Tufted White Prairie Aster | 1m | white | August- October | sun | dry | bees, butterflies | x |
| Symphyotrichum foliaceum | Leafy Aster | 0.3-0.4m | pale lavender | August- October | sun to partial shade | dry to moist | bees, butterflies | х |
| Trifolium cyathiferum | Cup Clover | up to 0.5m | creamy pink | April-June | sun | dry to wet | bees, other insects | x |
| Urtica dioica spp. Gracilis | Native Stinging Nettle | 1-3m | whiteish | July-August | sun to partial shade | moist to wet | bees, butterflies | x |
| Viola adunca | Sand Violet | 0.02- 0.1m | violet | April-June | sun to partial shade | dry to moist | bees, butterflies | х |
| | | | V | ines | | | | |
| Clematis ligusticifolium | Western White Clematis | 6-20m | white | May-June | sun to partial shade | dry to moist | bees, flies | |
| Lonicera ciliosa | Orange Honeysuckle | up to 6m | orange- yellow to red | May-July | sun to partial shade | dry to moist | bees, other insects | |
| | | Shel | ter Plants | (mainly g | rasses) | | | |
| Aristida purpurea var. longiseta | Red Three-awn | 0.2-0.5m | | | sun | dry | | х |
| Bouteloua gracilis | Blue Grama | 0.2-0.4m | | | sun | dry | | x |
| Elymus cinereus | Giant Wildrye | 1-3m | | | sun | dry, well- drained | | х |
| Festuca campestris | Rough Fescue | 0.3-0.9m | | | sun to partial shade | dry to moist, well-drained | | х |
| Festuca idahoensis | Idaho Fescue | 0.3-0.9m | | | sun to partial shade | dry to moist, well-drained | | x |
| Hesperostipa comata | Needle-and-Thread Grass | 0.2-0.5m | | | sun | dry | | x |
| Koeleria macrantha | Junegrass | 0.2-0.5m | | | sun | dry, well- drained | | x |
| Pseudoregneria spicata | Bluebunch Wheatgrass | up to 1m | | | sun | dry, well- drained | Nectar source for Skipper & Satyr butterlies | x |





HABITAT HINTS

FOR THE THOMPSON-OKANAGAN PLATEAU

| | BEE-POLLINATED GARDEN FLOWERS AND CROPS | | | | | | | | | | |
|--------------------------------|---|--------|-----------------|-----------------|------------------|------------|-------|-------|-----------|------------------|----------|
| | Bumble | Digger | Lg Carpenter | Sm Carpenter | Squash/ Gourd | Leafcutter | Mason | Sweat | Plasterer | Yellow- faced | Andrenid |
| F L O W E R S | | | | | | | | | | | |
| Catalpa | | | х | | | | | | | | |
| Catnip | x | х | | | | | Х | | | | |
| Clover | | х | | | | | | | | | х |
| Columbine | х | | | | | | | | | | |
| Cow parsley | | | | | | | | | | х | |
| Goldenrod | x | х | | | | х | | Х | | | |
| Impatiens | x | | | | | | | | | | |
| Irises | x | | х | | | | | | | | |
| Lavender | x | х | х | | | х | | | | | |
| Milkwort | | | | | | | | Х | | | |
| Penstemon | x | х | | | | | х | | | | |
| Phacelia | х | х | | х | | х | х | х | х | | х |
| Potentilla | | | | | | | | | | х | |
| Rose | х | | х | | | | х | х | | х | |
| Salvia | х | х | х | | | х | х | | | | |
| Saxifrages | | | | | | | | х | | х | |
| Sorrel | | | | х | | | | | | | |
| Sunflowers | х | х | х | х | | х | | х | х | | х |
| Violet | | | | | | | | х | | | х |
| Wild Mustard | | х | | | | | | | х | | |
| Willow catkins | | | | | | | | | х | | x |
| | | | | · | CROPS | | | | | | |
| Apple | | | | | | | Х | | | | |
| Blueberry | х | Х | | | | | | | | | х |
| Cherry | | | | | | | х | | | | х |
| Gooseberry | х | | | | | | | | | | х |
| Legumes | х | х | | | | х | | х | | | |
| Water melon | х | | | | | | | х | | | |
| Squash/ Pumpkins/ Gourds | | | х | | х | | | | | | |
| Tomatoes | х | х | х | | | | | Х | | | |
| Thyme | Х | х | | | | | х | х | | х | |



HABITAT AND NESTING REQUIREMENTS:

Honey Bees:

Honey bees are colonial cavity nesters. Occasionally in the spring and summer you might encounter a swarm of honey bees on the move to a new home. In Canada, the majority of honey bees are managed by beekeepers in hives. Beekeepers with commercial operations can have bee yards with tens to hundreds of hives commonly in agricultural, rural and some natural habitats. In urban and garden settings, it is common to see a single or a handful of honey bee hives – usually wooden boxes painted white or other light colours. Give honey bees space and don't approach their hive. Even beekeepers minimize the amount of time they spend working bees. Honey bees have different feeding needs than native bees. Their colony can last multiple years and they feed on flowers from the beginning of spring bloom to the fall. Honey bees visit crops when they are in bloom and forage on a diversity of wildflowers as well. Honey bees also need plants that produce a large amount of nectar to make honey. Clovers, lavenders, mints, and sages are great nectar sources. Honey bees also like to feed off of the pollen of trees and shrubs such as maples, willows, and roses. Fields of goldenrod are an excellent pollen source.

Bumble Bees:

Bumble bees nest in cavities such as abandoned mouse nests, other rodent burrows, upside down flower pots, under boards, and other human-made cavities. Colonies are founded by a queen in the spring. The number of workers in a colony can grow to upward of 400 at the peak of summer bloom. Bumble bee colonies die out in the fall after producing new queens. New queens mate and then overwinter, hiding underground, in cracks, or small crevices. Bumble bees are usually active during the morning hours and forage at colder temperatures than honey bees, even flying in light rain.

Large carpenter bees:

Large carpenter bees chew nests into dead wood, poplar, cottonwood or willow trunks and limbs. The also make nests in structural timbers including redwood and cedar. Depending on the species, there may be one or two brood cycles per year. These bees can be active all day even in the hottest and coolest weather.

Digger bees:

Digger bees can be found nesting in sandy, compacted soils, and along stream banksides. These bees are usually active in the morning hours, but can be seen at other times of the day as well. To attract these bees have some areas of exposed soil in your garden and avoid applying thick layers of mulch that are hard to dig through.

Small carpenter bees:

Small carpenter bees chew into pithy stems, including roses and blackberry canes, where they make their nests. These bees are more active in the morning but can be found at other times.

Squash and Gourd bees:

Squash and gourd bees prefer to nest in sandy soil but also may nest in gardens (where pumpkins, squash and gourds are grown). These bees are early risers and can be found in pumpkin patches before dawn. Males often sleep in wilted squash flowers.

Leaf-cutting bees:

Leaf-cutting bees nest in pre-existing circular tunnels of various diameters in dead wood created by emerging beetles. Some also nest in the ground. Leafcutter bees line and cap their nests with leaves or flower petals. These bees can be seen foraging throughout the day even in very hot weather.

Mason bees:

Mason bees use pre-existing tunnels of various diameters in dead wood made by emerging beetles, or human-made nesting substrates such as drilled wood blocks or cardboard tubes. These bees get their name from the fact that they cap their nests with mud. Mason bees are generally more active in the morning hours.

Sweat bees:

Sweat bees need bare ground in sunny areas not covered by vegetation for nesting. Some will nest in small pre-existing holes, much like leaf-cutting or mason bees. Like most bees, sweat bees forage for pollen earlier in the morning and then for nectar later in the day. To help these bees nest, keep some parts of your garden exposed and avoid applying thick layers of mulch that are hard to dig through.

Plasterer or cellophane bees:

Plasterer or cellophane bees get their name from the unique, clear waterproof lining they make around their nest. Similar to sweat bees they prefer bare ground, stream banks or slopes. These bees can be active in the morning or later in the day.

Yellow-faced bees:

Yellow-faced bees are tiny, hairless bees that make their nesting by chewing into small dead stems. These bees are more active during morning hours.

Mining bees:

Mining bees prefer sunny, bare ground, and sand soil. They are also known to nest under leaf litter or in the soil along banksides and cliffs. Mining bees are active in the spring and most commonly seen on flowers during the morning when pollen and nectar resources are abundant.

A BASIC CHECKLIST

S.H.A.R.E. - SIMPLY HAVE AREAS RESERVED FOR THE ENVIRONMENT.

- Planting for pollinators is the first step. Put your pollinator habitat on the S.H.A.R.E. map and connect to pollinator conservation efforts across North America. Visit pollinator.org/SHARE
- Farmers can also certify their habitat with Bee-Friendly Farming. Visit pollinator.org/bff

BECOME FAMILIAR WITH POLLINATORS IN YOUR LANDSCAPE.

- Watch for activity throughout the day and the seasons.
- Keep a simple notebook of when and what comes to your garden.
- Take part in citizen science monitoring and get involved in local programs.
- Consult a local field guide or web site when you are ready to learn more details.

ADD NATIVE PLANTS TO ATTRACT MORE NATIVE POLLINATORS.

- 🕷 List the plants you currently have in your landscape.
- Determine when you need additional flowers to provide nectar and pollen throughout the growing season.
- Add plants that provide additional seasons of bloom, create variable heights for shelter, and attract the types of pollinators you want.
- Don't forget to include host plants that provide food and shelter for larval development.
- Contact your local native plant society or extension agent for more help.

USE POLLINATOR FRIENDLY LANDSCAPE PRACTICES TO SUPPORT THE POLLINATORS YOU ATTRACT.

- Use Integrated Pest Management (IPM) practices to address pest concerns.
- Tolerate a little mess leave dead snags and leaf litter, keep areas bare for ground nesting insects, and leave some weeds that provide food for pollinators.

NOTICE THE CHANGES THAT YOU HAVE HELPED TO CREATE!



Many books, websites, and people were consulted to gather information for this guide. Use this list as a starting point to learn more about pollinators and plants in your area.

ECOREGION PROFILE

Environment Canada Ecozones Program - Thompson-Okanagan Plateau http://www.ecozones.ca/english/region/209.html

Government of BC, Ministry of Environment https://www2.gov.bc.ca/assets/gov/environment/plants-animals-andecosystems/ecosystems/broad-ecosystem/an_introduction_to_the_ ecoregions_of_british_columbia.pdf

POLLINATION/POLLINATORS

Pollinator Partnership www.pollinator.org

North American Pollinator Protection Campaign www.nappc.org

Pollination Canada www.pollinationcanada.ca

Seeds of Diversity www.seeds.ca

Canadian Biodiversity Information Facility: Butterflies of Canada www.cbif.gc.ca/eng/species-bank/butterflies-of-canada/?id=1370403265518

North American Butterfly Association www.naba.org

Canadian Honey Council www.honeycouncil.ca

Buchmann, S.L. and G.P. Nabhan. 1997. *The Forgotten Pollinators* Island Press: Washington, DC.

Committee on the Status of Pollinators in North America. 2007. Status of Pollinators in North America The National Academies Press: Washington, DC.

NATIVE PLANTS

Native Plant Society of British Columbia www.npsbc.ca

E Flora BC www.eflora.bc.ca/

Royal BC Museum Native Plant Garden www.royalbcmuseum.bc.ca

Ministry of Environment British Columbia www.env.gov.bc.ca/

Cultivating the Wild - Eva Durance

Border Free Bees (Okanagan)

Okanagan Xeriscape Association

Master Gardeners BC

FEEDBACK

We need your help to create better guides for other parts of North America. Please e-mail your input to **feedback@pollinator.org**.

- How will you use this guide?
- Do you find the directions clear? If not, please tell us what is unclear.
- Solution Is there any information you feel is missing from the guide?

% Any other comments?

THANK YOU FOR TAKING THE TIME TO HELP!

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