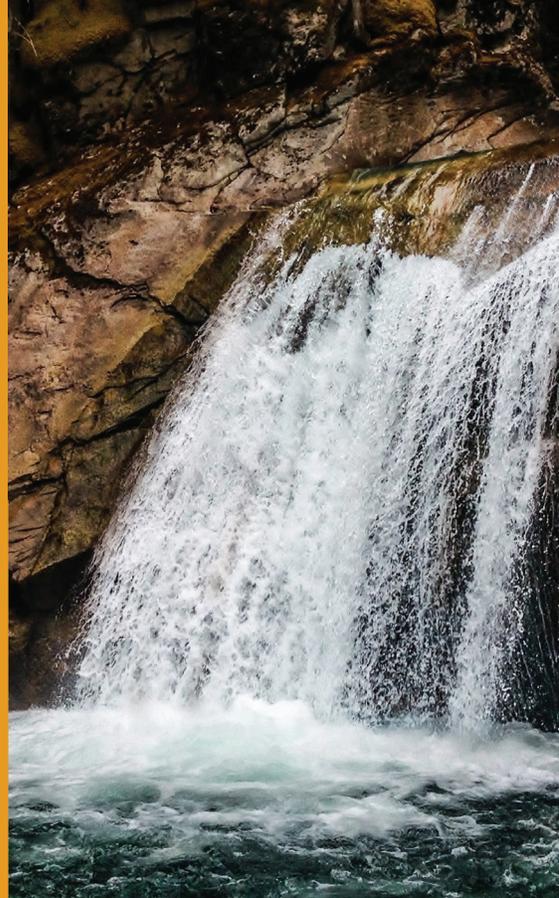




SELECTING
PLANTS
FOR
POLLINATORS



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

**COLUMBIA
MOUNTAINS
AND
HIGHLANDS
ECOREGION**

REVELSTOKE,
NELSON,
BLUE RIVER,
WELLS, AND CRESTON

**POLLINATOR
PARTNERSHIP**
C A N A D A

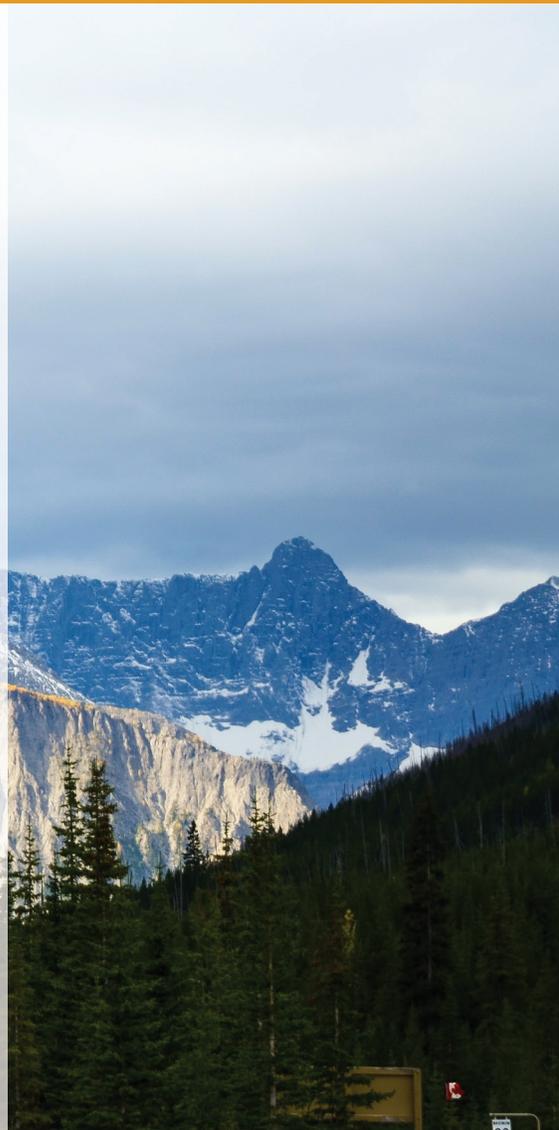
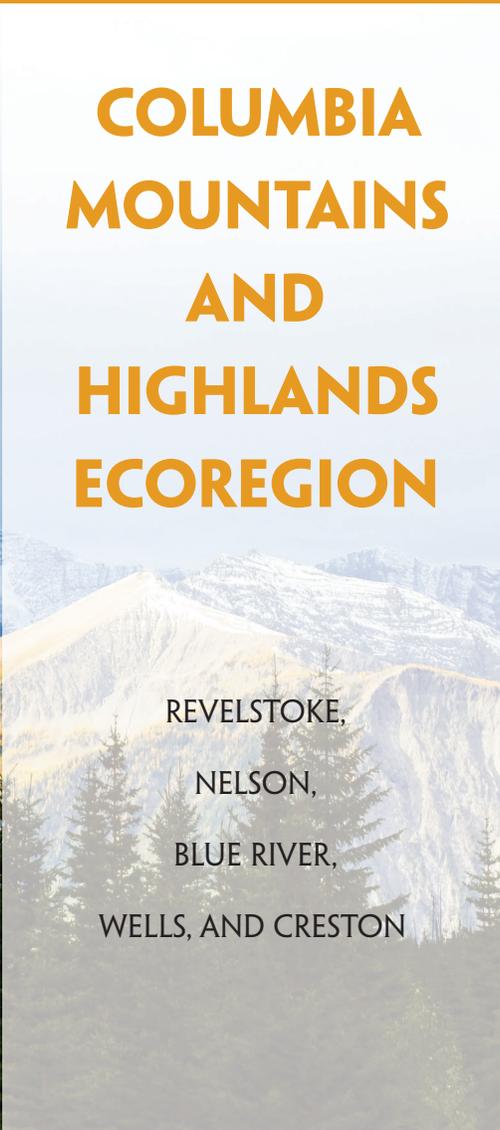


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This is one of several guides for different regions of North America. We welcome your feedback to assist us in making the future guides useful. Please contact us at feedback@pollinator.org

SELECTING PLANTS FOR POLLINATORS

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GARDENERS, FARMERS,
AND LAND MANAGERS**

**IN THE
COLUMBIA MOUNTAINS
AND HIGHLANDS
ECOREGION**

REVELSTOKE, NELSON,
BLUE RIVER, WELLS,
AND CRESTON



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. The Columbia Mountains and Highlands ecoregion lies within the Southern Interior Mountains on the mainland of British Columbia and covers the “Interior Wet Belt” of British Columbia. It extends from the northern end of the Cariboo Mountains south to the international border. This region supports a diverse agricultural industry, including many tree fruit, forage, and vegetable crops as well as a diversity of native plants. Many of these plants and crops rely on native bees, such as bumble bees, and non-native bees, such as honey bees, for seed and fruit production. British Columbia supports over 450 native species of bees!

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 actions supporting native pollinators are increasingly active. 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.

Laurie Davies Adams
Executive Director
Pollinator Partnership

“**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 Columbia Mountains and Highlands ecoregion. The Columbia Mountains and Highlands ecoregion features high mountain slopes and wide, fertile valleys, which are conducive to a diverse agricultural industry. Much of the Columbia Mountains and Highlands ecoregion is remote which has facilitated a strong local demand for value-added products including meat, honey, fruit, dairy, wine, wool, and soap.

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 Columbia Mountains and Highlands 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 COLUMBIA MOUNTAINS AND HIGHLANDS



Photo: Nic VW

- ✿ The Columbia Mountains and Highlands is part of the larger Montane Cordillera Ecozone. It encompasses the Eastern section of the Southern Interior Mountains on the mainland of British Columbia.
- ✿ The population is relatively sparse at approximately 57, 000.
- ✿ Not sure about which region you live or work in? Go to www.pollinator.org/guides and click on **Ecoregion Locator** for help.
- ✿ The topography is characterized by mountains, ranges, and alternating trenches which contain ruggedly sculptured peaks. These peaks are composed of glaciers and rock outcrops.
- ✿ Elevations range from 1,200 to over 3,000 meters above sea level.
- ✿ Temperatures vary from north to south, but averages 5°C with a mean summer temperature of 14°C and a mean winter temperature of -5°C. Summer temperatures can reach highs of above 30°C.
- ✿ Mean annual precipitation ranges from less than 1000 mm in drier valleys up to 1200 mm in subalpine areas.
- ✿ Incorporates the Columbia Mountains and the western portion of the Columbia Highlands.

CHARACTERISTICS

- ✿ Encompasses low-elevation climax forests of western hemlock and western redcedar.
- ✿ In drier areas, seral forests are more common, with Douglas-fir, western larch, grand fir, western white pine, lodgepole pine, paper birch, or trembling aspen.
- ✿ Land-use includes forestry, mountain recreation, localized agriculture and grazing, tourism, and resource extraction (mining & hydroelectricity).
- ✿ Habitat fragmentation caused by various anthropogenic land-use activities a concern for species that need habitat connectivity.

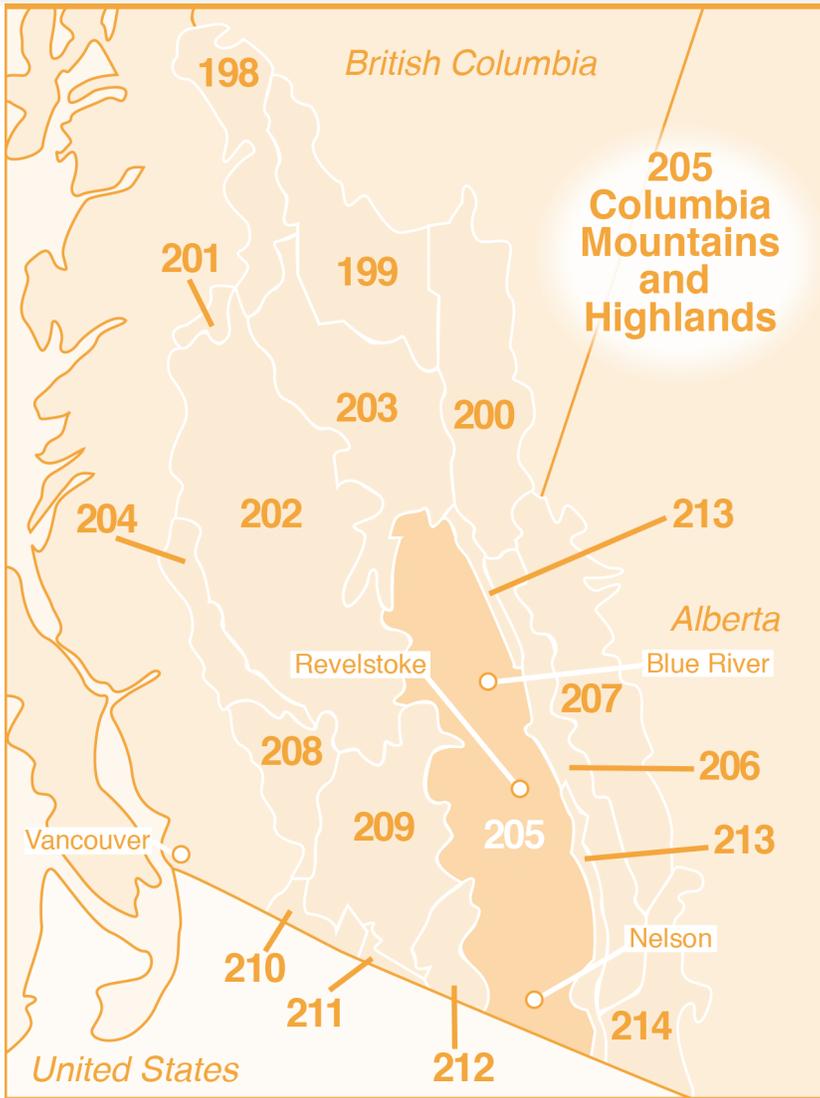


Montane Cordillera Ecoregions

- 198 Skeena Mountains
- 199 Omineca Mountains
- 200 Central Canadian Rocky Mountains
- 201 Bulkley Ranges
- 202 Fraser Plateau
- 203 Fraser Basin
- 204 Chilcotin Ranges

205 Columbia Mountains and Highlands

- 206 Western Continental Ranges
- 207 Eastern Continental Ranges
- 208 Interior Transition Ranges
- 209 Thompson-Okanagan Plateau
- 210 Okanagan Range
- 211 Okanagan Highland
- 212 Selkirk-Bitterroot Foothills
- 213 Southern Rocky Mountain Trench
- 214 Northern Continental Divide



Columbia Mountains and Highlands includes:

Revelstoke, Nelson,
Blue River, Wells,
and Creston

MEET THE POLLINATORS



Photo: RC Keller

Black-chinned Hummingbird a breeding resident of Columbia Mountains and Highlands ecoregion.

Two-tailed Swallowtail.



Photo: johandersonphoto

WHO ARE THE POLLINATORS?

BEES

Bees best documented pollinators in the natural and agricultural landscapes in Canada, including the Columbia Mountains and Highlands ecoregion. A wide range of wild and crop plants, including plants in the Aster and Rose families, agricultural crop, specialty crop, 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. There are over 800 species of native ground and twig nesting bees in Canada, and over 400 in British Columbia. 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 small-sized, 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, with over 184 species in British Columbia! Some of the butterflies that have been found in the Columbia Mountains and Highlands ecoregion include Stella's Orangetip (*Anthocharis stella*), Northern Checkerspot (*Chlosyne palla*), Two-tailed Swallowtail (*Papilio multicaudatus*), and Western Pine Elfin (*Callophrys eryphon*).

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 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 colourful flower flies and hover flies (*Syrphidae*), active bee flies (*Bombyliidae*), 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 under 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. A number of hummingbirds spend the summer in British Columbia. Black-chinned Hummingbirds (*Archilochus alexandri*) are breeding residents and can be found throughout the Columbia Mountain and Highlands ecoregion, as well as other areas in BC.

Hummingbirds can see the colour red; bees cannot. Many tropical flowers, grown as annuals, along with native woodland edge plants, attract hummingbirds.

BATS

Though bat species in Canada are not pollinators, bats in the south western 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 transfer 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 Viceroy butterfly (*Limenitis archipus*), which used to be common throughout the southern Interior of British Columbia, is a red-listed taxon in BC and is thought to be extirpated. 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 pollinators, the very best thing you can do is plant for them.

Western Bumble Bee

- The western bumble bee (*Bombus occidentalis*) used to be one of the most common bumble bees in Western Canada and the US.
- It has become rare since the 1990s, possibly due to pathogens that transferred 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. It is a Blue Listed taxon in BC, and is considered imperiled.
- Recently, there are signs that some populations of the western bumble bee may be recovering in the US.



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.

Plant Trait	Pollinator		
	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

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, 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, 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.
- Milkweed is a host of the Monarch butterfly, which can be found in patchy distributions throughout the Southern Interior, but its range does not extend north into the Columbia Mountains and Highlands ecoregion. Only Showy Milkweed (*Asclepias speciosa*) is native to parts of the mainland of British Columbia. Generally, Monarchs and Showy Milkweed have a similar distribution throughout British Columbia.
- 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 (e.g. 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 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 largely toxic to pollinators. Extreme caution is warranted if you choose to use any insecticide. Strategically apply insecticides only for problematic target species.



FARMS

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 to control 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 (e.g. 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.



Illustrations by Carolyn Vibbert



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 of 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.
- Provide water sources in large open areas.
- Maintain natural meadows and openings that provide habitats for sun-loving wildflowers and grasses.
- Remove invasive species.



HOME LANDSCAPES

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 Society, native plant nursery (if there is one), or local 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 water, 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 nurseries, or conservation organizations can help you make informed decisions when searching for plants.

PLANTS THAT ATTRACT POLLINATORS

IN THE COLUMBIA MOUNTAINS AND HIGHLANDS

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.

Family	Botanical Name	Common Name	Height	Flower Colour	Flower Season	Sun	Soil	Pollinators	Also a host
Trees and Shrubs									
Adoxaceae (Honeysuckle)	<i>Sambucus racemosa</i>	Red Elderberry	1-6m	white	June-July	sun to partial shade	moist to wet	bees, hummingbirds	
Berberidaceae (Barberry)	<i>Mahonia aquifolium</i>	tall Oregon-grape	0.5-2.5m	yellow	March-April	sun to partial shade	dry to moist	bees, butterflies	
Caprifoliaceae (Valerian)	<i>Lonicera involucrata</i>	Black Twinberry	0.5-5m	purple & yellow	May-June	sun	moist	bees, other insects	
	<i>Symphoricarpos albus</i>	Common Snowberry	0.5-3m	pale pink-white	March-May	sun to partial shade	dry to moist	bees, butterflies	X
Cornaceae (Dogwood)	<i>Cornus sericea</i>	Red-Osier Dogwood	2-4m	greenish-white	March-April	sun to partial shade	moist, well drained	butterflies	X
	<i>Cornus canadensis</i>	Bunchberry	up to 0.25m	white	April-May	sun to partial shade	moist	bees, other insects	
	<i>Cornus unalaschkensis</i>	Alaskan Bunchberry	up to 0.20m	white	June-August	sun to partial shade	moist	bees, other insects	X
	<i>Shepherdia canadensis</i>	Buffaloberry	1-2m	yellowish	March-May	partial to full shade	dry, well drained	bees	
Ericaceae (Crowberry)	<i>Arctostaphylos uva-ursi</i>	Kinnikinnick	0.05-0.15m	pale pink	March-May	sun to partial shade	dry	bees, butterflies	X
	<i>Ledum groenlandicum</i>	Labrador Tea	0.3-0.8 m	white	May-July	partial sun to shade	moist to wet	bees, flies	
	<i>Vaccinium caespitosum</i>	Dwarf Blueberry	up to 0.3m	white to pinkish	May-July	sun	moist to wet	bees, butterflies	X
	<i>Vaccinium membranaceum</i>	Black Huckleberry	up to 1.5m	white to pinkish	June-July	sun to partial shade	dry to moist	bees, butterflies	
	<i>Vaccinium ovalifolium</i>	Oval-leaved Blueberry	up to 2m	white to pinkish	July-August	sun to partial shade	moist	bees, butterflies	
Grossulariaceae (Currant)	<i>Ribes hudsonianum</i>	Northern Blackcurrant	0.5-2m	white	May	sun to partial shade	moist to wet	bees, other insects	
	<i>Ribes sanguineum</i>	Red-flowering Currant	1-3m	pink	April-May	sun, partial shade to shade	dry to moist	bees, butterflies, hummingbirds	
Hydrangeaceae (Hydrangea)	<i>Philadelphus lewisii</i>	Mock-orange	1-3m	creamy white	May-June	sun	dry to moist	bees, butterflies	
Rhamnaceae (Buckthorn)	<i>Ceanothus sanguineus</i>	Red-stem Ceanothus	1-3m	white	May-June	partial shade	moist to dry	bees	
	<i>Ceanothus velutinus</i>	Snowbrush Ceanothus	0.5-2m	white	March-April	sun to partial shade	dry to moist	bees	
Rosaceae (Rose)	<i>Amelanchier alnifolia</i>	Saskatoon	1-5m	white	April	sun to partial shade	moist to dry	bees, flies	X
	<i>Crataegus douglasii</i>	Black Hawthorn	1-8m	white	May-June	sun to partial shade	dry to moist	butterflies	X
	<i>Dasiphora fruticosa</i>	Shrubby Cinquefoil	1.3m	pale to bright yellow	April-September	sun	dry to moist	bees, flies	



Family	Botanical Name	Common Name	Height	Flower Colour	Flower Season	Sun	Soil	Pollinators	Also a host
	<i>Holodiscus discolor</i>	Oceanspray	1-4m	cream-white	June-July	sun to partial shade	dry to moist	bees, butterflies	X
	<i>Prunus emarginata</i>	Bittercherry	2-15m	creamy white	April-May	sun	dry to moist, well drained	bees, butterflies, moths	X
	<i>Prunus parviflorus</i>	Thimbleberry	0.5-2 m	white	May-July	partial sun to shade	moist	bees, flies	
	<i>Prunus virginiana</i>	Chokecherry	6-10m	creamy white	March-May	sun to partial shade	dry to moist, well drained	bees, butterflies, moths	X
	<i>Rosa acicularis</i>	Prickly Rose	1-3m	pink	May-June	sun, partial shade to shade	dry to moist	bees, other insects	
	<i>Rosa nutkana</i>	Nootka Rose	1-3m	pink	May-June	sun, partial shade to shade	dry to moist	bees, butterflies	X
	<i>Rosa woodsii</i>	Wood's Rose	2m	deep pink	May	sun, partial shade to shade	dry to moist	bees	
	<i>Sorbus scopulina</i>	Western Mountain-ash	1-5m	white	March-May	sun to partial shade	moist	bees	
	<i>Spiraea betulifolia</i>	White Meadow-sweet	0.2-0.9m	white	May-July	sun to partial shade	dry to moist	bees, other insects	
	<i>Spiraea douglasii</i>	Hardhack; Pink Spirea	up to 1.5m	pale pink to rose	July-August	sun to partial shade	moist, well drained	bees	
Salicaceae (Willow)	<i>Salix bebbiana</i>	Bebb's Willow	up to 10m	creamy yellow	March-April	sun to partial shade	wet to moist	bees	
	<i>Salix glauca</i>	Grey-leaved Willow	up to 3m	greenish yellow	May-June	sun to partial shade	wet to moist	bees	
	<i>Salix pseudomonticola</i>	False Mountain Willow	1-6m	greenish yellow	March-April	sun to partial shade	moist	bees	
	<i>Salix scouleriana</i>	Scouler's Willow	up to 10m	greenish	March-April	sun to partial shade	moist, well drained	bees	X
	<i>Salix sitchensis</i>	Sitka Willow	1-8m	greenish	March-April	sun to partial shade	moist to wet	bees	
Sapindaceae (Horse-chestnut)	<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas Maple	1-10m	yellow-green	April-May	sun to partial shade	dry to moist	bees	
Forbs - Non-woody Flowering Plants									
Amaryllidaceae (Amaryllis)	<i>Allium cernuum</i>	Nodding Onion	0.3m	pink	March-May	sun	dry	bees, butterflies, hummingbirds	
Apiaceae (Carrot)	<i>Heracleum lanatum</i>	Cow Parsnip	1-3 m	white	May-July	partial shade - shade	moist to wet	bees, flies	
Apocynaceae (Dogbane)	<i>Asclepias speciosa</i>	Showy Milkweed	0.4-1.2m	pink to redish purple	May-September	sun	moist to mesic	bees, butterflies, hummingbirds	X

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PLANTS THAT ATTRACT POLLINATORS

IN THE COLUMBIA MOUNTAINS AND HIGHLANDS

Family	Botanical Name	Common Name	Height	Flower Colour	Flower Season	Sun	Soil	Pollinators	Also a host
Asteraceae (Aster)	<i>Achillea millefolium</i>	Common Yarrow	0.75m	white-pink	April-July	sun	dry	bees, beetles, butterflies	X
	<i>Anaphalis margaritacea</i>	Pearly Everlasting	up to 0.9m	white & yellow	June-July	sun to partial shade	dry to moist	bees, butterflies	
	<i>Balsamorhiza sagittata</i>	Arrow-leaved Balsamroot	0.4-1.2m	yellow	March-April	sun to partial shade	dry	bees, flies	
	<i>Crepis atriobarba</i>	Slender Hawksbeard	0.15-0.7m	yellow	May-July	sun	dry	bees, beetles, butterflies, flies	
	<i>Erigeron speciosus</i>	Showy Fleabane	0.4-0.8m	pale purple	August-September	sun to partial shade	dry to moist	bees, butterflies, flies	
	<i>Gaillardia aristata</i>	Blanketflower	0.2-0.7m	yellow to orange	May-October	sun	dry	bees, beetles, butterflies	
	<i>Helenium autumnale</i>	Mountain Sneezeweed	0.15-1.2m	yellow	August-October	sun to partial shade	moist to mesic	bees, moths, butterflies	
	<i>Solidago lepida</i>	Western Canada Goldenrod	0.3-1.65m	yellow	August-October	sun	dry to moist	bees, other insects	
	<i>Symphotrichum ciliolatum</i>	Lindley's Aster	0.25-1.0m	pale blue	August-September	sun	dry to moist	bees, butterflies	X
	<i>Symphotrichum laeve</i>	Smooth Aster	0.4-1.2m	bluish purple	August-October	partial shade	mesic to dry	bees, other insects	
Boraginaceae (Borage)	<i>Hackelia micrantha</i>	Blue Stickseed	0.3-1m	blue	May-June	sun	dry to moist	bees, other insects	
	<i>Mertensia longiflora</i>	Long-flowered Bluebell	0.05-0.25m	blue	Mar-May	sun to partial shade	dry to moist	bees	
Campanulaceae (Bellflower)	<i>Campanula rotundifolia</i>	Common Harebell	0.1-0.8m	purple	June-September	sun to partial shade	dry to moist	bees, hummingbirds	
Cleomaceae	<i>Peritoma serrulata</i>	Rocky Mountain Bee Plant	up to 1.5m	light purple	May-June	sun to partial shade	moist	bees, butterflies	
	<i>Sedum lanceolatum</i>	Lance-leaved Stonecrop	0.05-0.25m	yellow	late June-July	sun	dry	bees, other insects	
Fabaceae (Pea)	<i>Astragalus miser</i>	Timber Milk-vetch	0.1-0.4m	whitish purple	April-June	sun	dry to moist	bees, butterflies	X
	<i>Astragalus robbinsii</i>	Robbins' Milk-vetch	0.2-0.7m	whitish purple	April-June	sun	moist	bees, butterflies	
	<i>Glycyrrhiza lepidota</i>	Wild Licorice	0.3-1.0m	white	April-May	partial shade	moist to wet	bees, other insects	X
	<i>Lupinus arcticus</i>	Arctic Lupine	0.2-0.6m	bluish purple	April-May	sun to partial shade	moist to mesic	bees, butterflies, hummingbirds	
	<i>Lupinus polyphyllus</i>	Large-leaved Lupine	up to 1.5m	white-pink to purplish-blue	May-July	sun to partial shade	moist	bees, butterflies, hummingbirds	
	<i>Lupinus sericeus</i>	Silky Lupine	0.3-0.6m	deep blue-dark lavender	April-May	sun to partial shade	dry	bees, butterflies, hummingbirds	X
Geraniaceae (Geranium)	<i>Geranium bicknellii</i>	Bicknell's Geranium	0.05-0.6m	bluish purple	March-May	sun	moist	bees, butterflies, hummingbirds	



Family	Botanical Name	Common Name	Height	Flower Colour	Flower Season	Sun	Soil	Pollinators	Also a host
	<i>Geranium richardsonii</i>	Richardson's Geranium	0.2-0.8m	light purple	April-May	sun to partial shade	mesic to moist	bees, butterflies, hummingbirds	
	<i>Geranium viscosissimum</i>	Sticky Geranium	0.25-0.9m	pinkish purple to lavender	April-May	sun to partial shade	mesic to dry	bees, butterflies, hummingbirds	
Hydrophyllaceae (Waterleaf)	<i>Phacelia hastata</i>	Silverleaf Phacelia	0.2-0.5m	creamy white	April-May	sun	dry	bees, other insects	
	<i>Phacelia linearis</i>	Three-leaved Phacelia	0.1-0.5m	lavender-blue	March-May	sun	dry to moist	bees, beetles, flies	
Lamiaceae (Mint)	<i>Monarda fistulosa</i>	Wild Bee Balm	0.3-0.7m	purple	July-August	sun to partial shade	dry to moist	bees, other insects	
Liliaceae (Lily)	<i>Calochortus apiculatus</i>	Three-spot Mariposa Lily	0.1-0.3m	white	June	sun	dry to mesic	bees, other insects	
	<i>Erythronium grandiflorum</i>	Yellow Avalanche Lily	up to 0.2m	yellow	April	sun to partial shade	moist	bees, other insects	
	<i>Fritillaria pudica</i>	Yellow Bells	0.02-0.1m	dark yellow	March-April	sun	dry	bees, other insects	
Montiaceae (Purslane)	<i>Claytonia lanceolata</i>	Western Spring Beauty	0.05-0.25m	white or pinkish	March	sun	moist	bees	
Onagraceae (Evening Primrose)	<i>Chamaenerion angustifolium</i>	Fireweed	1-3m	purplish-pink	June-August	sun	dry to moist	bees, hummingbirds	
Orobanchaceae (Broom-rape)	<i>Castilleja miniata</i>	Common Red Paintbrush	0.8m	red	April-May	sun to partial shade	dry	bees	
Polygonaceae (Buckwheat)	<i>Eriogonum umbellatum</i>	Sulphur Buckwheat	0.1-0.3m	yellow	June	sun	dry	bees, beetles, butterflies	
	<i>Polygonum douglasii</i>	Douglas' Knotweed	0.1-0.4m	white	July-August	sun to partial shade	dry to moist	bees, other insects	X
Ranunculaceae (Buttercup)	<i>Aquilegia formosa</i>	Sitka Columbine	up to 0.5m	orange-red sepals; yellow inner petals	March-April	sun to partial shade	normal to moist	bees, butterflies, hummingbirds	
	<i>Aquilegia flavescens</i>	Yellow Columbine	0.2-0.7m	yellow	May-June	sun to partial shade	moist	bees	
	<i>Delphinium nuttallianum</i>	Upland Larkspur	0.4m	deep blue	March-April	sun	dry	bees, hummingbirds	
Rosaceae (Rose)	<i>Fragaria vesca</i>	Wood Strawberry	up to 0.3m	white	April-May	partial shade to shade	moist to dry	bees, other insects	
	<i>Fragaria virginiana</i>	Wild Strawberry	up to 0.3m	white	April-May	sun to partial shade	moist to dry	bees, other insects	
	<i>Geum macrophyllum</i>	Large-leaved Avens	0.3-1m	yellow	May-June	sun to partial shade	moist	bees, other insects	
	<i>Geum triflorum</i>	Old Man's Whiskers	0.2-0.4m	pink-pale lavender	March-April	sun to partial shade	dry	bees, other insects	
	<i>Potentilla gracilis</i>	Slender Cinquefoil	0.4m	yellow	June-July	sun to partial shade	moist to dry	bees, butterflies, other insects	

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PLANTS THAT ATTRACT POLLINATORS

IN THE COLUMBIA MOUNTAINS AND HIGHLANDS

Family	Botanical Name	Common Name	Height	Flower Colour	Flower Season	Sun	Soil	Pollinators	Also a host
	<i>Potentilla palustris</i>	Marsh Cinquefoil	up to 1 m	reddish purple	June-July	sun to partial shade	wet	bees, flies	
Rubiaceae (Madder)	<i>Galium boreale</i>	Northern Bedstraw	0.2-0.8m	creamy white	April-May	sun	moist to dry	beetles, flies	
Saxifragaceae (Saxifrage)	<i>Heuchera cylindrica</i>	Round-leaf Alumroot	0.3-0.5m	white-cream	May-July	sun to partial shade	dry	Nectar source for hummingbirds and pollinator insects	
Urticaceae (Nettle)	<i>Urtica dioica</i> spp. <i>Gracilis</i>	Native Stinging Nettle	1-3m	whiteish	July-August	sun to partial shade	moist to wet	bees, butterflies	X
Violaceae (Violet)	<i>Viola adunca</i>	Sand Violet	0.02-0.1m	violet	April-June	sun to partial shade	dry to moist	bees, butterflies	X
	<i>Viola canadensis</i>	Canada Violet	0.1-0.4m	white	April-June	sun to partial shade	dry to moist	bees, butterflies	X
	<i>Viola glabella</i>	Stream Violet	0.05-0.3m	yellow	April-May	sun to partial shade	mesic to moist	bees, butterflies	X
	<i>Viola orbiculata</i>	Round-leaved Violet	0.03-0.05m	yellow	April-May	sun to partial shade	mesic to moist	bees, butterflies	X
	<i>Viola palustris</i>	Alpine Marsh Violet	0.05-0.2m	whitish purple	April-May	sun to partial shade	moist to wet	bees, butterflies	X
Vines									
Caprifoliaceae (Valerian)	<i>Lonicera ciliosa</i>	Western Trumpet Honeysuckle	up to 6m	orange-yellow to red	May-July	sun to partial shade	dry to moist	bees, other insects	
Shelter Plants									
Dryopteridaceae (Wood Fern)	<i>Athyrium filix-femina</i>	Lady Fern	0.3-1.8m			sun to partial shade	moist to wet		
	<i>Dryopteris expansa</i>	Spiny Wood Fern	up to 1m			sun to partial shade	moist		
	<i>Festuca idahoensis</i>	Idaho Fescue	0.3-0.9m			sun to partial shade	dry to moist, well-drained		X
	<i>Hesperostipa comata</i>	Needle-and-Thread Grass	0.2-0.5m			sun	dry		X
	<i>Koeleria macrantha</i>	Junegrass	0.2-0.5m			sun	dry, well-drained		X
	<i>Pseudoroegneria spicata</i>	Bluebunch Wheatgrass	up to 1m			sun	dry, well-drained	Nectar source for Skipper & Satyr butterflies	X



NOTES

HABITAT HINTS

FOR THE COLUMBIA MOUNTAINS AND HIGHLANDS

BEE-POLLINATED GARDEN FLOWERS AND CROPS

	Bumble	Digger	Lg Carpenter	Sm Carpenter	Squash/ Gourd	Leafcutter	Mason	Sweat	Plasterer	Yellow- faced	Andrenid
FLOWERS											
Catalpa			x								
Catnip	x	x					x				
Clover		x									x
Columbine	x										
Cow parsley										x	
Goldenrod	x	x				x		x			
Impatiens	x										
Irises	x		x								
Lavender	x	x	x			x					
Milkwort								x			
Penstemon	x	x					x				
Phacelia	x	x		x		x	x	x	x		x
Potentilla										x	
Rose	x		x				x	x		x	
Salvia	x	x	x			x	x				
Saxifrages								x		x	
Sorrel				x							
Sunflowers	x	x	x	x		x		x	x		x
Violet								x			x
Wild Mustard		x							x		
Willow catkins									x		x
CROPS											
Apple							x				
Blueberry	x	x									x
Cherry							x				x
Gooseberry	x										x
Legumes	x	x				x		x			
Water melon	x							x			
Squash/ Pumpkins/ Gourds			x		x						
Tomatoes	x	x	x					x			
Thyme	x	x					x	x		x	



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. They 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.

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 local conservation organization 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.
- ✿ Provide safe access to clean water.

NOTICE THE CHANGES THAT YOU HAVE HELPED TO CREATE!



RESOURCES

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—Columbia Mountains and Highlands <http://www.ecozones.ca/english/region/205.html>

Government of BC, Ministry of Environment
https://www2.gov.bc.ca/assets/gov/environment/plants-animals-and-ecosystems/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/

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

**THANK YOU
FOR TAKING
THE TIME TO HELP!**



RESEARCH AND WRITING:

**VICTORIA WOJCIK,
LORA MORANDIN, JENNIFER LOTZ**

EDITORIAL:

**JENNIFER LOTZ, VICTORIA WOJCIK,
LORA MORANDIN,**

DESIGN:

MARGUERITE MEYER

FUNDING:

TransCanada

CONTRIBUTORS:

Ray Coupes, **Regional Ecologist, BC Forest Service**

Valerie Huff, **Plant Ecologist and Restoration Specialist, Kootenay Native Plant Society**

Michael Keefer, **Plant Ecologist, Keefer Ecological Services**

Lynn Westcott, **Entomologist, Westcott Environmental Services**

PHOTO CONTRIBUTORS:

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ILLUSTRATIONS:

Carolyn Vibbert



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