## Plant recommendations for Greater Vancouver: supporting beneficials in your garden

Created as part of the "Garden Ecology" series for the Vancouver Master Gardeners, spring 2024 Elizabeth Elle, Simon Fraser University (eelle@sfu.ca)

This list is based on research conducted by my lab, my experiences as a gardener, and searches of available literature. There may be plants that are great for ecological gardening that aren't included, because I haven't observed their interactions. If you are noticing beneficials using plants not on this list, trust those observations, your knowledge of your space and growing conditions, and let me know what they are!

## A few notes:

- I use Latin names in many cases because common names aren't standardized and will likely lead to confusion
- I haven't included trees. As gardeners we often don't have room to plant too many and you likely will have many things to consider in your choice. Do consider our native flora if you have space, as trees like willow, cottonwood, alder, hemlock, and Douglas fir all support a diversity of wildlife. They do get big though! You also can't go wrong with single-flowered apples and cherries, and most maples have pollinator attractive flowers too.
- I haven't included annuals; I have a personal bias towards perennials! There are a few I've already recommended especially for vegetable gardening to attract predatory insects (sweet alyssum, dill and cilantro, bolting mustards) but I won't expand on annuals here, there are too many.
- I have not included anything considered invasive by the Invasive Species Council of BC, no matter how attractive it is to beneficials. Note that some of the wildflower seed mixes sold for pollinators in our region include invasive species. Please avoid these mixes.
- For shrubs, I provide information on bloom time, whether leaves are deciduous (D) or evergreen (E), whether flowers are attractive to pollinators, if there are fruits (F) or seeds (S) for birds, and if it is a butterfly or moth host plant. That last is not known for non-native plants so I've left off the column. You will need to research growing conditions yourself!
- For perrenials, there is so much I could include, and so many plants! I've mostly put these into broad categories, by season. Remember to look at flowers like pollinators do, easy access flowers are best!

## Some sources:

- My web page is in need of updating! But there are graphs with info on which pollinators use which plants.
- Xerces society does a great job with plant lists by region.
- <u>Earthwise Farm</u> has some information by season from their own property.
- The <u>Suzuki Foundation</u>, <u>Pollinator Paradise</u>, and <u>Oregon State</u> have info on plant choices that mostly work for our region
- And remember the native plant finder (for caterpillars) of the <u>National Wildlife Federation</u>

## Native shrubs

Botanical name	Common name	Approx	Flower	Leaves	Bees	Birds	Caterpillars
		bloom time	colour				
Amelanchier alnifolia	Saskatoon	Spring	White	D	Υ	F	Υ
Arctostaphylos uva-ursi	Kinnikinnik (ground cover)	Spring	White	E	Υ	F	Υ
Cornus stolonifera	Redstem dogwood	Summer	White	D	Υ	S	Υ
Gaultheria ovalifolia	Wintergreen (ground cover)	Late spring	White	E	Υ	F	
Gaultheria shallon	Salal	Spring	White	E	Υ	F	Υ
Holodiscus discolor	Ocean spray	Summer	White	D	Υ	S	Υ
Lonicera involucrata	Twinberry	Summer	Yellow	D	Υ	F	У
Lonicera ciliosa	Orange honeysuckle (vine)	Summer	Orange	D	Υ	F	
Mahonia aquifoloium	Tall Oregon Grape	Early spring	Yellow	E	Υ	F	Υ
Mahonia nervosa	Low Oregon grape	Spring	Yellow	E	Υ	F	Υ
Penstemon davidsonii	Penstemon (ground cover)	Late spring	Purple	E	Υ		
Philadelphus lewisii	Mock orange	Summer	White	D	Υ		Υ
Ribes sanguineum	Red-flowering currant	Spring	Pink	D	Υ	F	Υ
Rosa gymnocarpa	Baldhip rose	Summer	Pink	D	Υ	F	Υ
Rosa nutkana	Nootka rose	Summer	Pink	D	Υ	F	Υ
Rubus parviflorus	Thimbleberry	Summer	White	D	Υ	F	
Rubus spectabilis	Salmonberry	Spring	Pink	D	Υ	F	
Salix sitchensis	Sitka willow	Spring	Green	D	Υ		Υ
Spiraea douglasii	Hardhack	Spring	Pink	D	Υ		Υ
Symphoricarpos albus	Snowberry	Summer	White	D	Υ	F	Υ
Vaccinium ovatum	Evergreen huckleberry	Spring	White	Е	Υ	F	Υ
Vaccinium parvifolium	Red huckleberry	Spring	White	D	Υ	F	Υ

Non-native shrubs (just a selection!) that are attractive to pollinators. I don't have information on caterpillars for these plants. And I'm sure I'm missing some good ones!!

Botanical name	Common name	Approx bloom	Flower colour	Leaves	Birds	Notes
		time				
Caryopteris	Bluebeard	Summer/Fall	Purple	D		
Ceanothus	California lilac	Summer	Purple	E	F	
Clethra alnifolia	Sweet pepperbush	Late summer	White	D		
Cystus	Rock Rose	Summer	Pink, white	D		
Enkianthus campanulatus	Red bells	Spring	Pink to white	D		Fall foliage. Diverse flower visitors
Erica carnea	Heather	Early spring	Purple, white, pink	E		
Hebe		Summer/Fall	Purple, white, pink	E		
Hibiscus	Rose of Sharon	Late summer	Purple, white, pink	D		Not double flowers
Hydrangea anomalis	Hydrangea vine	Early summer	White	D		The most loved hydrangea!
Hydrangea aspera	Rough-leaf hydrangea	Summer	Purple	E		
Hydrangea macrophylla	Lacecap forms	Summer	Purple, blue			
Hydrangea paniculata	Check for fertile flowers	Late summer	White			
Kolkwitzia amabalis	Beauty bush	Summer	Pink	D		Hummingbirds, bees, butterflies
Lavandula	Lavender	Summer	Lavender!	E		
Mahonia x media	Mahonia	Winter	Yellow	E		Hummingbirds love this
Pieris japonica	Lily of the valley shrub	spring	White, pink	E	F	Bloom when mason bees emerge
Potentilla	Shrubby cinquefoil		White, yellow	D	S	
Pyracantha	Firethorn	Summer	White	E	F	
Rhododendron		Varies	Varies	D/E		Red seems unattractive to bees
Roses	Old fashioned, single			D	F	
Spirea		Summer	Pink	D		CVs have colourful foliage
Viburnum		Varies	White or pink	D/E	F	Not snowball forms!

An incomplete list of perennials that are pollinator friendly. \* indicates there are some native species to look for.

Botanical Name	Bloom time	Notes					
Achillea	Summer	Yellow cv's especially, like "moonshine"					
Allium*							
	Spring to summer	A bulb, pretty much any ornamental onion is loved by pollinators					
Anemone	Varies	There are lots of species and cultivars, with varied flowering times. They always seem popular.					
Aster*	Late summer	Any!!					
Astrantia	Summer	Masterwort should be in more gardens! Lovely plant.					
Baptisia	Summer	Just bumblebees					
Campanula*	Spring to summer	Avoid creeping bellflower as it is invasive. Some leafcutter bees specialize on Campanula.					
Cimicifuga	Late summer, fall	Tall spikes of white flowers, very late. Some cv's have lovely purple foliage.					
Coreopsis	Summer	Dependable bloomer, and can attract Asteraceae specialists					
Crocosmia	Summer	Birds and bees					
Dicentra*	Spring	Bleeding hearts are really only visited by bumblebees					
Echinacea	Summer	Some evidence the purple form is more attractive to pollinators					
Echinops	Summer	Globe flower, like pretty much all Asteraceae, is attractive to diverse pollinators					
Epimedium	Spring, summer	An evergreen ground cover available in many colours, buzz pollinated					
Fragaria*	Spring	Coastal strawberry is a nice groundcover!					
Gaillardia*	Summer						
Geranium	Spring, summer	G. macrorrhizum is a great ground cover. Any perennial geranium (not pelargoniums!) is attractive.					
Geum	Spring						
Helianthemum	Summer	Somewhat woody and evergreen, many colours					
Heuchera	Summer	Usually grown for colourful foliage, the small flowers are surprisingly attractive to visitors!					
Lychnis	Early summer	L. chalcedonica is attractive to hummingbirds and butterflies					
Monarda	Summer	Depending on colour and flower tube length, attractive to hummingbirds or bees					
Penstemon*	Spring, summer	Diverse flower colours and forms					
Polemonium	Early summer						
Rudbeckia	Late summer,fall	Seed heads attractive to birds					
Salvia	Summer	Depending on colour and flower tube length, attractive to hummingbirds or bees					
Sedum*	Spring, summer	Lots of kinds, including some natives, all are easy access and attractive to diverse visitors					
Solidago*	Late summer, fall	Some bees may specialize on goldenrod, as do some caterpillars					
Tiarella*	Spring						
Veronica*	summer						