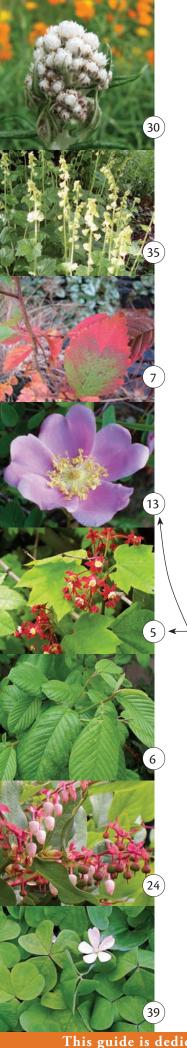


Gardening with Native Plants



- Top Ten Plants
- Attracting Birds & Butterflies
- Garden Design Tips

- Preventing Weeds
- Create Habitat for Wildlife
- How to Save Water & Money





What is a Naturescape?

Many Vancouver Island residents want attractive, easy to maintain, drought tolerant gardens that attract birds and butterflies. The best plant choices for gardens are often the native plants that evolved in our region. Native plants are those species that predate European settlement of the Salish Sea bioregion. Rewarding and dynamic, "naturescapes" are functional gardens that reflect the native richness and beauty of our unique landscape. This guide will help you improve your property: the best plant choices, garden design tips, commercial resources, free programs, and expert recommendations are inside.

Why are native plants great for gardens?

South-eastern Vancouver Island is one of Canada's top nature hot spots, but our rare native ecosystems like the Garry Oak meadows and older Coastal Douglas-Fir forests are gone from over 97 percent of their former range due to urbanization and industry. Introduced invasive plants are quickly transforming natural habitats for the worse. Species at Risk like Western Painted Turtle and others are losing ground.

Creating a naturescape (native plant garden) on your land is part of the solution to habitat loss. The actions of many individual landowners can make a big difference for wildlife in our region. A changing climate and booming population growth are forcing communities to rethink our prolific outdoor water use. Using showy native plants in your garden can also save you time and money. Forget about watering, expensive fertilizers, and toxic pesticides. Because native plants have evolved in this climate for countless generations, they support song bird populations and increase insect pollinators. The various plants in this guide fit into any garden setting. You can turn landscape issues into property features that enhance value!

How to use this guide

Numbers on photos refer to information in the Plant Table (centrefold). The table identifies plant characteristics, uses, and suggested combinations. Look for the orange insert page that lists garden resources including plant suppliers, public gardens, and instructive websites. Bring this guide to your favorite nursery and show them what native species you want. Some nurseries will order in plants not typically stocked. Avoid cultivated varieties and introduced plants with similar names to ensure wildlife benefits. Choose native species to replace invasive plants, high maintenance cultivars, and thirsty shrubs.



Top Ten Naturescape Plants

Just getting started? HAT's Top Ten plant picks are beautiful, hardy, and readily available. Start small and install plants with plenty of mulch during the fall rains to get a jump on next summer's dry season.



Oceanspray

This beautiful shrub thrives in poor soils, drought, and salt spray. Plant it on a dry slope to prevent erosion and attract seed eating birds. Lorquin's Admiral loves the creamy flower tufts that become orange-brown seed heads in winter.



Broad-leaved Stonecrop

A low groundcover for hot & sunny rock gardens, containers & garden borders. Edible, succulent leaves range from sage green to red. A hardy perennial, this plant's showy yellow flowers are a magnet for pollinators and hummingbirds.



Sword Fern

Attractive copper colored fiddleheads in spring unfurl into tough, waist-high evergreen fronds. This hardy perennial complements finer foliage of groundcovers in partial sun to shade. Other native fern choices include shade-loving Deer Fern and Licorice Fern for rockeries.



Red Flowering Currant

Hummingbirds feed from brilliant pink to red blooms in the spring, and other birds enjoy currants in the fall. A showy specimen plant or massed in the back border, this shrub is a gardeners favorite.



False Lily of the Valley

Low, shade loving groundcover features small white perfumed flowers and creeping rhizomes. Berries turn red in fall. Drifts of shiny spade shaped leaves look great with strawberry, ferns, and bleeding heart. Grows under cedar too.



Tall Oregon Grape

Blue edible berries, big yellow blooms, and shiny leaves in one drought tolerant perennial. Plant several behind low shrubs, around foundations, and in thickets. Spiny leaves, creeping rhizomes and upright habit creates a people barrier or evergreen hedge.



Rocky Mountain Juniper

This tough evergreen shrub or tree replaces a thirsty cedar hedge and can be planted on top of berms. Excellent year-round privacy screen, food and cover for birds. Long-lived and aromatic, native junipers are salt tolerant & homes for bird nests.



Nodding Onion

A drift of this long-lasting lily lures pollinators and butterflies for months. Handles salt spray, wind, drought & poor, gravelly soils. Best for dry outcrops, exposed sandy meadows & rock gardens where it spreads quickly.



Woolly Sunflower

Bees and butterflies will party around showy drifts of intense yellow that lasts all summer. A selfsowing perennial with light green, velvety foliage enjoys dry shallow soils and looks great in banks, rockeries, and borders.



Kinnikinnick

An early blooming, trailing evergreen ground cover with red berries in winter for birds. Best for pavement edges & dry, sunny slopes. Creeping branches cover walls and tolerate foot traffic. A caterpillar host, this plant dresses up any site.



Wood Sorrel

False Lily of the Valley

(39)



Oxalis oregana

Maianthemum dilatatum





23, 35, 38, 40

23, 35, 36, 39

5 - 20cm

15 - 25cm



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Bloom Characteristics Period n/a l 🛹 🚫 Apr-May **→ 🛇 🛦 🕸** n/a Apr-May Apr May-Jun May n/a Jun Apr-May Mar Apr-Jun May-Jul **∀** → 🕸 Jul-Aug Apr-Jun May-Jun N-# CO May-Jun **4 ~ ~ ○** Jun-Jul Apr-May **→ \ \ ** Jun ~ V O 1 Apr-May May-Jul n/a 6 - V 1 Mar-Jul Jul -Aug Jun-Aug Apr-Jun Apr-May **★▼☆~~** Apr-Jun \mathbf{X} Jul-Sept * \$ 5 Jun-Sept May-Jul VALV TO A Jun-Jul Apr Apr-Jun May-Jun Apr-Jun Feb-Jul May-Jul

Plant descriptions, suggested uses, and additional species

Slow-growing, can be a large tree or shrubby bush, leathery dark glossy leaves, acorns attract many species Fragrant showy white flower clusters, red berries, beautiful r peeling bark on smooth, curvy branches A seaside favorite! Handles salt, wind & poor soil, grows straight in average soil, bonzai in poor, acid soil Create thickets near water, shade out weeds, and grow from cuttings. Also try: S. scouleriana, S. hookeriana Red flowers in spring, red leaves in autumn, resprouts from roots. Also try similar Douglas Maple on drier sites. Grows well on wet, disturbed sites. Tiny flowers produce blue-black berries. Yellow and red leaves in fall. Copious thorns resist beavers. White flowers, black berries, small tree or broad shrub likes organic soil. scarlet in autumn Great for poor, rocky or sandy soils, tolerate salt spray, replace cedar hedge. Try J. communis for groundcover White flower clusters, showy red fruit, red fall leaves, small tree or shrub with leaflets that don't need raking up! Showy white flowers, delicious fruit, spreading rhizomes. Drought, salt and clay tolerant. Deer browse leaves Hedge or borders, very early flowering, cucumber-tasting plums in May; use male & female plants to ensure fruiting Very showy with early blooms, no thorns, crinkly maple-like leaves on a compact shrub. Dark fruits eaten by birds Large, fragrant, lilac-pink flowers, large rose hips are reddish-orange, stabilizes stream banks, keeps people at bay Big, showy flower clusters become puffball orange-brown seed heads. Grows taller in shade. Top ten pick! Fast growing shrub, showy white flower clusters attract hummingbirds, shiny red berry clusters and big leaves Early fragrant white flowers, fast-growing, adaptable, broad upright shrub. Dense seasonal screening Hardy, fast-growing, white flowers, showy red twigs, brilliant red fall leaves, fruit is white to bluish. Large, fragrant pink flower produces sweet berries. Spreading streamside shrub forms thickets with snowberry Highly recommended! Tough holly-like leaves, yellow flower clusters, edible blue-black berries, dry slope stabilizer "Snowball bush" likes wet, open places like streams and lake shores, excellent for securing slopes. Attractive bark Bushy with leathery, shiny, leaves, pink, bell-shaped flowers, sweet, glossy edible purple berries - harvest after frost A vine with orange tubular flowers followed by red berries. Climbs posts & trees. Try pink L. hirsuta in dry zones Grows fast, protects shady slopes. Dead fronds make amphibian habitat. Also try Spiny Wood Fern (D. expansa) Excellent cover for shade and sandy soils, Berries make delicious jelly. Tough, shiny leaves can be pruned back. Bumblebees love the violet blooms with yellow centers, creeping rhizome fills perennial beds. Also A. radulinus. Pollinators' delight! Bulbs multiply quickly in sandy soil & rockeries. Also try Hooker's Onion and Fool's Onion Edible bulbs multiply quickly, attractive seed heads in meadows, also C. quamash, Fawn, Chocolate, & Tiger Lilies Tasty groundcover with white flowers and sweet berries. Try F. virginiana or F. vesca for shade. Transplant runners Salt tolerant groundcover forms mats, takes trampling & poor soils. Also try the shrub, Hairy Manzanita (A. columbiana) Crisp papery flowers, long bloomer provides late season interest. Also try the pink Anaphalis rosea Tough perennial, large, white, long lasting flower heads, low, feathery foliage. Root mat holds soil on slopes Long blooming rockery plant with silver-green leaves. Drought tolerant & self-sowing. Dead head for extended bloom Showy bright yellow flowers, succulent edible leaves, place in rock outcrops, on concrete. Salt tolerant Perennial creeping and low in full sun, erect and tall in semi-shade with larger leaves. Early flowers, tart berries Fragrant white flower spires rise from fuzzy, heart shaped leaves. spreading habit, resists slugs Perennial adapts to rocky soils and can be used on steep banks, front of border plantings and streamsides Showy white flowers and red berries, ornamental foliage, shade-tolerant, easy to transplant. Also try S. stellata Rose pink flowers extend above mounds of grey-green lacy foliage that spreads well in shady moist soils Perennial with spreading rhizomes and dainty white flowers enjoyed by gnomes in drifts of soft clover leaves Delicate white flowers followed by berries turning red in winter with glossy foliagepreads well in conifer mulch

















The three essentials: food, shelter and water. Seed and berry producing shrubs feed and shelter birds. Keep some dead tree trunks and branches to invite woodpeckers (top left). Provide a variety of food sources through the seasons by leaving seed heads on plants and pruning just before bud break. A water feature (protected from cats and hawks) will attract many types of birds and animals. Leaf mulch attracts many birds and enhances growth. Improve fruiting with pollinator attractors.

Butterflies boycott pesticides. Feeding adults prefer certain plant species, but missing plants for caterpillars often restricts butterfly abundance. Plant poplar & willow (larval food trees) to block winds, maintain areas of sunny meadow, create a mud puddle, and tolerate some chewed leaves. **Swallowtail caterpillars** (left) eat herbs with umbrella-like flowers including Spring Gold & Desert Parsley (Lomatiums). Some butterflies overwinter in leaf litter. Plant tall sticks in sunny spots for resting butterflies and dragonflies.

Don't feed the deer. Choose aromatic plants with spiny foliage to reduce browsing. Our region's very high deer population will eat the following only as a last resort: Salal, Oregon Grape, Sword Fern, Woolly Sunflower, and Kinnikinnick. Try sheltered pots of bloodmeal, but 2 metre fencing is a sure solution.

Let it Rot for wildlife. Allow logs to rot in place and hold summer moisture for salamanders, and build a brush pile for squirrels. Rock piles, patches of long grass, and leaf litter create diversity. Dead and dying trees are extremely valuable elements for many species but are usually missing from urban areas.

Mulch from leaves is the best soil protection and fertilizer for native plants. Make a large wire leaf bin in the fall and then spread composted leaves around plants in the fall & spring. Keep the pile moist and sprinkle with lime to speed composting. Pine cone mulch discourages digging cats, wood chips protect soil from compaction, and conifer needles make excellent pathway mulch. Fallen leaves and twigs are what fungi convert to soil; let nutrients return to the plants that made them. Avoid peat moss (mined from bogs).

Lawns consume the most effort, chemicals, and water of any landscape treatment. Reduce lawn area in shade, corners, and slopes. Top dress turf with sifted compost or meal in February to promote healthy, drought tolerant soil. Never drive vehicles on wet soil: Compacted soil favours weeds and prevents water recharge. Never dump lawn clippings or garden waste in parks. Avoid girdling trees with weed trimmers.

Easily convert lawns to garden beds by covering grass with 3 layers of cardboard under 10 cm (4 in) of mulch (leaf mould, wood chip, bark bits, etc.). Raid the cardboard bin of a local appliance/bicycle retailer and cover up your weed patches too. Plant through the cardboard (bottom left) for hardy new plants and less weeds. Never use unbiodegradable black plastic cloth as a weed barrier under mulch.

Wildflower meadows can be mowed only after seed set (July) to encourage blooms. Light mulching in late winter can help lily species (e.g. Camas) compete with introduced grasses. Control weeds during the summer drought; avoid weeding from January to July in Camas meadows (below).

Continued p.7



Landowners play an important role in habitat conservation - naturescape for wildlife!

Garden design

Choose the right plant for the right spot. Whether you're screening scenes, holding slopes, or frocking rocks, there is an ideal native plant for the job. Watch how water flows and how the sun moves across the sky for a full year before planting new areas. Most plants like a partly sunny moist site, but full sun or deep shade and dry soil requires specific plants. Place ground covers in the foreground, followed behind by herbs, ferns, then bushes and trees. Choose plants that will grow only to the height you require, and make sure there is room to grow. See the insert page for garden plans, expert advice, demonstration gardens, and suppliers.

Dig some holes to determine your soil types: organic (acidic), sandy loam, clay, or mineral soil? Does water pool or drain away quickly? Light levels, acidity, and drainage can be improved, but its best to choose plants that like existing conditions. Mounds, pits, pools, swales & terraces diversify your site's surface area and microclimates.



Shady Moist Site

If a space receives little or no direct sun, choose shade loving forest plants. A shiny groundcover of False Lily of the Valley looks great under bold Sword & Deer Ferns. Columbine and Bleeding Heart add some color to cool greens. Avoid planting under dry roof lines and other covered areas.





Sunny Dry Site

If a spot is hot and dry with full sun, choose drought tolerant plants. In this example, Roemer's Fescue, Low Oregon Grape & Nodding Onion form a ground cover under Shore Pine. Strawberries & Pussytoes thrive along with native grasses like bromes, onion-grass, needlegrass, and wild

rye without any irrigation. Add a water dish for birds.

Are You Harbouring Aliens?

Some introduced plants escape from gardens, grow (or get dumped) into natural areas and overwhelm native ecosystems. "Wildflower mix" contains invasive weed species. Steer clear of known invaders (below) and replace with similar native alternatives. Employ layers of cardboard & clean mulch to smother weeds, and clip below the soil surface when in bloom or during drought.



Gardening with Native Plants



Gardening tips for the nature lover continued

Get nursery-grown stock - plants in the wild already have a job. Container grown plants (at left) transplant well and grow faster. Your naturescape project will support the growing interest among residents and nurseries alike. Ask for plants sourced from Vancouver Island seed to ensure vigour and adaptability. Nurseries selling natives plants are listed on the insert page.

Free Native Plant Gardening Workshops! Capital Region residents can attend a workshop on gardening with drought-resistant native plants including their benefits, uses, and plant identification. An overview of CRD water efficiency programs will be provided and participants will tour an established native plant garden. Workshops are offered in the spring and fall at Swan Lake Nature House, and are limited to 25 participants: pre-registration is required. Call 250.479.0211 or see insert for website.

When planting shrubs, make the hole larger than the root ball but keep the same depth as in the pot. To promote healthy growth, cut any roots that wrap around the root ball, and do not add soil amendments. Compact the soil around roots and mulch heavily, avoiding plant stems.

Fish and turtles will thank you for removing pet waste and preventing fertilizer runoff from entering waterways. Shade ponds with trees to keep water cool & oxygen rich. Shrub buffers protect streamsides and provide insects for fish. Report Painted Turtles to HAT - they're endangered.

Kids dig gardens! Naturescapes attract and encourage children to learn through play and observation. They enjoy edible berries, fragrant flowers, hiding spots in thickets, high perches, forts, catwalks, and secret tunnels. Share with them the wonders of spider webs and birds eggs. Nature is the best teacher; foster curiosity through experiences that enrich their lives with meaning.



Create a Conservation Legacy!

This guide was created by Habitat Acquisition Trust. HAT helps people protect and understand nature in our unique region. Please consider joining HAT's membership to develop a strong voice for conservation. We accept donations and planned gifts to support our long term efforts. Like us on Facebook, follow us on Twitter, and volunteer with us!

HAT a non-profit regional land trust established in 1996 to secure significant natural lands on southern Vancouver Island and the southern Gulf Islands through acquisition, stewardship, conservation covenants, research, and community education.

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Habitat Acquisition Trust

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Naturescape concept by Naturescape BC

4th Edition contributors include:







Gardening with Native Plants Nurseries, Gardens, Websites, Books, Workshops and Programs

Saanich Native Plants 741 Haliburton Rd, Saanich (778) 679-3459 www.saanichnativeplants.com

Dinter Nursery 2205 Phipps Rd (at Hwy 1, 5 km south of Duncan) (250) 748-2023 www.dinternursery.ca

Fraser's Thimble Farm 175 Arbutus Rd, Salt Spring Island (250) 537-5788 thimfarm@telus.net www.thimblefarms.com Nanaimo & Area Land Trust Native Plant Nursery 3145 Frost Rd, Cassidy (250) 816-6466 (near airport) plants@nalt.bc.ca www.nalt.bc.ca

Russell Nursery 1370 Wain Rd, North Saanich (250) 656-0384 <u>russellnursery@telus.net</u> www.russellnursery.com Streamside Native Plants 3222 Grant Rd, Courtenay (250) 757-9999 richard@streamsidenativeplants.com

Wildwood Nurseries Ltd. 4660 Elk Lake Dr, Saanich (250) 658-5415 www.wildwoodoutdoorliving.com

Ask for plants native to Vancouver Island when you visit these nurseries!

Gardens and Resources

Swan Lake ~ Christmas Hill Nature Sanctuary

3873 Swan Lake Rd, Victoria

Visit a restored Garry oak woodland meadow on Christmas Hill, a native plant garden surrounding the nature house, and a nature trail around the Lake. Native plant sale hosted here every April. (250) 479-0211 info@swanlake.bc.ca www.swanlake.bc.ca.

Royal BC Museum Native Plant Garden

675 Belleville St, Victoria

At the corner of Government St is one of **BC's largest** collections including 400 species from alpine to coastal habitats. Open 24/7. http://royalbcmuseum.bc.ca/native-plant-garden/

Horticulture Centre of the Pacific

505 Quayle Rd, Victoria

Visit the native plant garden, purchase native plants, and get staff advice on naturescaping your yard. (250) 479-6162. Ask about Barb Kohlman's native garden design workshop: gardeninfo@hcp.ca http://hcp.ca/qardens/attractions/native-plant-qarden/

Garry Oak Learning Meadow

603 Fort Rodd Hill Road, Victoria

Fort Rodd Hill & Fisgard Lighthouse National Historic Sites of Canada (Example of habitat restoration from lawn)

Download the acclaimed **Garry Oak Gardener's Handbook** by the *Garry Oak Ecosystems Recovery Team* (GOERT) <u>www.goert.ca/gardeners</u> or call 250 383 3427. Print copies available by donation. Visit the website to order copies of the **handbook**. **Click on the "GARDENING AND RESTORATION" web link for comprehensive science-**based resources.

http://www.naturescapebc.ca/naturescape/resources.htm Naturescape BC has excellent online resources including free PDF downloads: "Caring for Wildlife at Home" plus the "Georgia Basin Naturescape Kit"

https://green.kingcounty.gov/GoNative/Index.aspx excellent landscaping plans for 11 different north-west coast site conditions from sunny & dry, to shady & wet. Also find practical how-to articles and try the native plant selector tool.

<u>www.npsg.ca/about-plants.shtml</u> this group offers seed harvest & cleaning guides, monthly meetings, and wildflower sites.

<u>www.evergreen.ca</u> features useful plant information, case studies, school project funding, and many regional contacts. <u>www.coastalinvasiveplants.com</u> has current information on regional invasive plants and control strategies. <u>www.compost.bc.ca</u> <u>Compost Ed Centre</u> delivers composting & organic gardening workshops in a demo garden.

Gardening with Native Plants Websites, Books, Workshops and Programs

<u>https://www.crd.bc.ca/education/at-home</u> low impact development, pesticide alternatives, natural gardening, infiltration.

District of Saanich Native Plant Salvage Program <u>saanich.ca/living/natural/stewardship/npsp.html</u> Contact: darren.copley@saanich.ca (250) 475- 5579. Ask about starting a neighbourhood leaf mulch depot.

Also get Saanich's Our Backyard newsletter.

The Saanich **District's** Pulling Together Volunteer Program supports volunteer efforts to remove invasive plants and restore ecosystems. For info call Saanich Parks at (250) 475-5522 www.saanich.ca/living/natural/stewardship/opportunities.html

Native Planting Book Recommendations

Plants of Coastal British Columbia Pojar & MacKinnon (eds.) 1994. Lone Pine Publishing, Vancouver, BC

Butterflies and Butterfly Gardening in the Pacific Northwest Woodward. 2005. Whitecap Books, Vancouver, BC

NatureScape BC Susan Campbell & Sylvia Pincott. 2003. Province of British Columbia, Victoria, BC

Become a HAT member or make a donation so we can help to protect our community's high quality of life.

HAT helps people to understand and protect natural environments in the Capital region. Since 1996 we have secured natural habitats through acquisition, conservation covenants, community stewardship, education, and research. Your membership tells our funders that HAP's programs create and enhance conservation networks in the community.

Please mail funds to PO box 8552, Victoria, BC V8W 3S2, or call 250 995 2428. Visit us at 825 Broughton St. Online donation / membership: www.hat.bc.ca Tax receipts issued for \$20+. Monthly donors get free membership.

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Donation: \$ Total enclosed: \$ I want to volunteer:	
Please call me to talk about monthly donation or <i>Planned Giving</i> :	
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