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#### **Northwest Native Plants (Puget Sound Lowlands)**

#### Wide diversity for the habitats here:

Wetland, bog, seep / Shoreline buffer / Woodland / Sandy gravel / Prairie

#### Sustainable beauty when matched to your site

- ✓ Water wise ...... ween off the watering after established (usually 2 years)
- ✓ Thrive in our soils \*.....no need to fertilize if you maintain mulch
- ✓ Generally disease and pest free ......no need for pesticides
- ✓ Carefree ...... when planted in preferred sun, soil texture, soil moisture
- ✓ Sustainable.....keep soils covered in mulch (*not bark*)

### Seasonal impacts observed in our changing climate

	Tends to have:	Impact	Garden Impact	
El Nino years	warmer & wetter WINTER	Less mountain snowfall	Potential watering	
(warmer ocean)	warmer & wetter winter	Less mountain snowfair	restrictions	
La Nina years	hotter and drier SUMMER	Drought conditions	Stressed plants	
(cooler ocean)		Drought conditions	Higher water use	

#### Match the right plant to Your Site

1. Natural Light -- notice difference between summer and winter

Full sun at least 6 hours of direct sunlight on a sunny day

Partial sun Dappled light or indirect light

Shade No direct sunlight

2. Soil Texture - use the "jar test" -

NOTE: It is *not feasible to change* soil texture. You can, though, create healthier soil by adding organic matter.

"Texture is related to soil porosity and directly impacts soil and plant health by affecting moisture and air holding capacity in soils."

- Use the "jar test" to discover how much clay, sand or silt is in your garden's soil. https://hgic.clemson.edu/factsheet/soil-texture-analysis-the-jar-test/
- The relative % of clay, sand or silt that identifies your soil's texture, will determine whether it is:
  - Wet in Winter, Dry in Summer
  - Seasonally saturated or inundated
  - Sandy, well-draining (required drought tolerant plants)

# 3. Select <u>only those</u> that match to your site

King County Native Plant Guide	www.kingcounty.gov, "Native Plants"				
Great Plant Picks	www.greatplantpicks.org, "Pacific Northwest Natives"				
Washington Native Plant Society	www.wnps.org				
Saving Water Partnership (publications, info)www.savingwater.org, "Lawn & Garden"					
Garden Hotline	<u>www.gardenhotline.org</u> , (206) 633-0224				

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#### Tips to Grow Healthy Plants in a Changing Climate

## Tip #1 – Build Healthy Soil: this is the key to a healthy garden in a changing climate

- ✓ Improves soil and plant health
- ✓ Allows rainfall to soak into the soil
- ✓ Improves soil drainage
- ✓ Reduces water use (and stressed plants) during the dry season

If your garden spot:	To Build Healthy Soil:				
Has existing plants	Cover soil with mulch (refer to Tip #3 below)				
Does not have existing plants	<ol> <li>Dig 2 to 4 inches of compost into the upper 6 to 8 inches of the soil.</li> <li>Cover soil with mulch (refer to Tip #3 below)</li> </ol>				

#### Tip #2 - Start Plants Right

- 1. Water plants ahead of time
- 2. Find the plant's root flare (shrubs, trees)
- **3.** Prepare the planting hole:
  - Wide, shallow, rough-sided hole *keep root flare above ground*
  - Loosen and spread roots
  - Use native soil only
  - Mulch\*
- **4.** Water deeply:
  - immediately
  - weekly during the 1<sup>st</sup> summer
  - as-needed until established (2 to 3 years)
  - maintain the mulch layer
  - monitor during prolonged drought

#### Tip #3 - \*Cover Bare Soil

- ✓ **Mulch** (*not-yet-fully-decomposed organic matter*) apply on top of soil
- ✓ Best mulches for native plants (proper depth)
  - woodchips (3- to 4-inch layer) <u>www.chipdrop.com</u> (FREE)
  - leaves (2- to 3-inch layer)
- ✓ Replenish the mulch (check the depth)
  - During the rainy season (October April)

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	007					
Trees & Shrubs		SUN	PARTIAL SUN	SHADE	SOIL MOISTURE	FEATURE
Amelanchier alnifolia	SERVICEBERRY	х	х		WW-DS	flower, berry
Cornus sericea (& hybrids)	REDOSIER DOGWOOD	х	х		ALL	stem color
Garrya elliptica	WAVY-LEAVED SILK TASSEL	х	х		Moist	evergreen; flower
Gaultheria shallon	SALAL	Х	х	х	WW-DS; DT	evergreen
Lonicera involucrata	TWINBERRY		х	х	Moist to Wet	flower
Mahonia aquifolium	TALL OREGON GRAPE	Х	х		WW-DS; DT	evergreen
Mahonia nervosa	LONG-LEAF OREGON GRAPE		х	х	DT	evergreen
Myrica gale	SWEET GALE	Х			Moist to Wet	
Philadelphus lewisii	MOCK ORANGE	Х			DT	fragrant
Pinus contorta (& hybrids)	SHORE PINE; LODGEPOLE PINE	Х			DT	evergreen
Rhododendron macrophyllum	PACIFIC RHODODENDRON		х		DT	flower
Ribes sanguineum	FLOWERING CURRANT	х	х	х	DT	flower
Rosa nutkana	NUTKA ROSE	х	х		DT to Wet	flower
Symphoricarpos albus	SNOWBERRY	х	х		WW-DS; DT	Inedible white fruit
Vaccinium ovatum	EVERGREEN HUCKLEBERRY		х	х	DT	berry (purple)
Vaccinium parviflorum	RED HUCKLEBERRY (deciduous)		х	х	WW-DS *	berry (red)
Ferns & Groundcovers						
Blechnum spicant	DEER FERN	Х	Х	Х	WW-DS; DT	evergreen
Polystichum munitum	SWORD FERN	Х	х	Х	WW-DS; DT	evergreen
Arctostaphylos uva-ursi	KINNIKINNICK or BEARBERRY	Х			DT	evergreen
Maianthemum dilatatum	FALSE LILY-OF-THE-VALLEY		х	Х	Moist	leaves, flowers
Perennials & Bulbs	1					
Aquilegia formosa	WESTERN COLUMBINE		х		WW-DS	flowers
Armeria maritima	THRIFT or SEA PINK	Х			Well-drained	flowers
Aruncus dioicus	GOAT'S BEARD		х	Х	Moist	flowers
Camassaia	CAMAS	Х			WW-DS	(bulb)
Carex obnupta	SLOUGH SEDGE	Х			Moist - Wet	leaves
Sedum spathulifolium	BROADLEAF STONECROP	Х			DT	succulent
Maianthemum (Smilacina) racemosa; M. stellata	FALSE SOLOMON'S SEAL STAR-FLOWERED SOLOMON'S SEAL		х	Х	WW-DS	flower
Tellima grandiflora	FRINGECUP		х	Х	WW-DS; M	leaves, flowers
Trillium ovatum	WESTERN TRILLIUM		Х	Х	WW-DS	flower

Soil Moisture Key:

**DT** = Drought Tolerant **M** = Moist **WW-DS** = Wet Winter-Dry Summer \* = requires decaying wood

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#### Here are my go-to resources (listed in the order that I tend to use them)

Grow Your Own Native Landscape, Washington State University (WSU) Extension, MISC0273

Reliably great information, especially helpful to select plants suitable to a site's soil moisture.

#### Plants of the Pacific Northwest Coast, Pojar & McKinnon, Lone Pine Press

• Excellent images, descriptions. Includes information on how Native Americans make use of plant parts.

**Rain Garden Handbook of Western Washington,** WSU Extension (<u>link</u> to Department of Ecology's FREE, downloadable PDF)

- See the "Plant List" appendix which categorizes plants according to a site's soil moisture.
- Look for the updated edition in early 2024

#### **Specialty references:**

Encyclopedia of NW Native Plants for Gardens and Landscapes, Robson, Richter, & Filbert, Timber Press

• Great photos, detailed description and gardening information.

#### Indicator Plants of Coastal British Columbia, Klinka, Krajina, Ceska & Scagel, UBC Press

- Out of print, yet readily available through used book sources.
- Once you know your site's soil moisture conditions, match that up to the category shown in this excellent reference. Then you will find entire lists of plants suited to the same conditions.

#### Landscaping for Wildlife, Russell Link, University of Washington Press

See plant lists in the back for lists of native plants that attract wildlife.