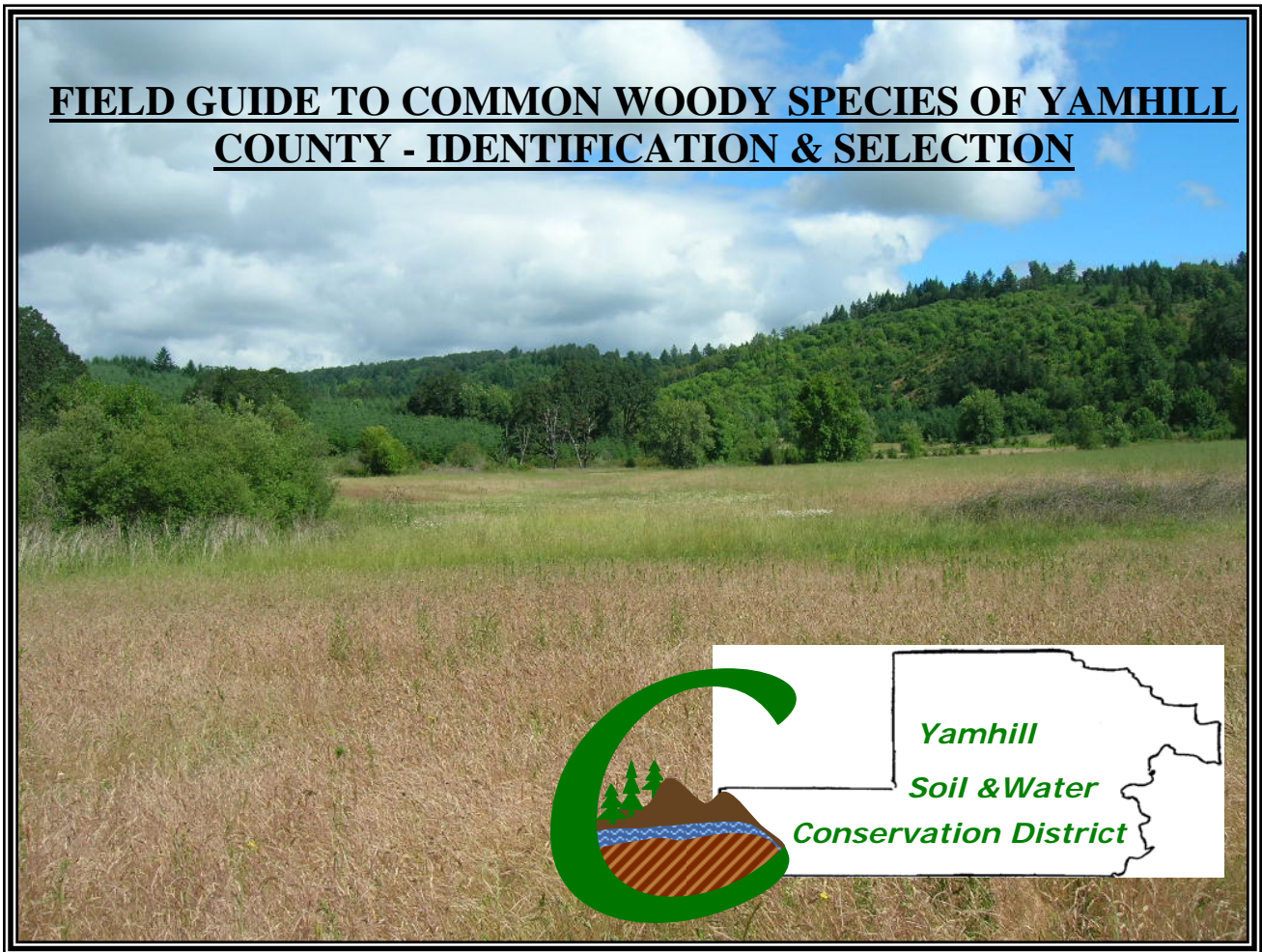


# **FIELD GUIDE TO COMMON WOODY SPECIES OF YAMHILL COUNTY - IDENTIFICATION & SELECTION**



## **FIELD GUIDE TO COMMON WOODY SPECIES OF YAMHILL COUNTY**

This field guide was produced in response to requests from numerous Yamhill County residents who wish to reforest their property, but are not experienced with tree / shrub identification and general species knowledge. There are numerous resources out there, printed and web-based, which provide excellent information about these species. However, for a novice, it can be a bit overwhelming to decipher what is native to the county rather than all of northwest Oregon. Hopefully, this will be a quick and easy guide as to what you may find or want on your property.

I've tried to include photos showing an overall plant habit view as well as a close-up view of the leaves. These are courtesy of an Oregon State University website which can be viewed at <http://oregonstate.edu/dept/ldplants/native-or.htm>. The species information comes from a variety of sources including OSU, USDA / NRCS (<http://plants.usda.gov/>) and my personal observations and opinions. All of the information is specific to Yamhill County valley lowlands. Keep in mind that a plant's chances of success are site specific and these are general guidelines.

Hope this helps with identification and planting decisions. Happy planting!

Amie Loop-Frison  
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## GRAND FIR (ABIES GRANDIS)



Height at 20 yrs.	40 ft.
Mature Height	150 ft.
Growth Rate	Medium
Lifespan	Long
Moisture Use	Moderate
Drought Tolerance	Moderate
Sun Tolerance	High

Deer Browse	Low
Wildlife Value	Low
Timber Value	Yes
Resprout Ability	No
Hardiness	Moderate - High

**HABITAT NOTES:** This fir is very similar to the more well known Douglas fir. It likes well-drained soils, but can tolerate slightly damper conditions than a Doug. fir. It can tolerate shade early in life, but needs full sun exposure to mature properly. Do not plant in wetland soils!

**ID NOTES:** Looks like a Douglas fir, but the needles are flatter and have 2 white stripes on the underside.

## DOUGLAS FIR (PSEUDOTSUGA MENZIESII)



Height at 20 yrs.	40 ft.
Mature Height	150 ft.
Growth Rate	Medium
Lifespan	Long
Moisture Use	Moderate
Drought Tolerance	Moderate
Sun Tolerance	High

Deer Browse	Low-Moderate
Wildlife Value	Low - Moderate
Timber Value	Yes
Resprout Ability	No
Hardiness	Moderate-High

**HABITAT NOTES:** A true timber tree found in both the Coast & Cascade ranges. Prefers moist, but well-drained soils. Do not plant this in heavy clay soils! It may survive & grow initially, but will start to die as the roots reach into the water table. Needs full sun exposure.

**ID NOTES:** Looks like a Christmas tree. Lower branches droop while upper branches swoop up.

## WILLAMETE VALLEY PONDEROSA PINE (PINUS PONDEROSA)



<b>Height at 20 yrs.</b>	<b>40 ft.</b>
<b>Mature Height</b>	<b>150 ft.</b>
<b>Growth Rate</b>	<b>Moderate</b>
<b>Lifespan</b>	<b>Long</b>
<b>Moisture Use</b>	<b>Moderate</b>
<b>Drought Tolerance</b>	<b>High</b>
<b>Sun Tolerance</b>	<b>High</b>

<b>Deer Browse</b>	<b>Low</b>
<b>Wildlife Value</b>	<b>Moderate</b>
<b>Timber Value</b>	<b>No, but future potential</b>
<b>Resprout Ability</b>	<b>No</b>
<b>Hardiness</b>	<b>Moderate</b>

**HABITAT NOTES:** This is the valley version of the pine found in central Oregon. The conifer with the highest tolerance for wet clay soils. Can tolerate limited periods of winter flooding as well as summer drought conditions. Needs a substantial amount of moisture to establish in first year, but will not in years 2 +.

**ID NOTES:** The only native pine in the valley. Widely spaced branch whorls, long needles and cracked bark.

## WESTERN RED CEDAR (THUJA PLICATA)



<b>Height at 20 yrs.</b>	<b>35 ft.</b>
<b>Mature Height</b>	<b>110 ft.</b>
<b>Growth Rate</b>	<b>Slow</b>
<b>Lifespan</b>	<b>Long</b>
<b>Moisture Use</b>	<b>Moderate</b>
<b>Drought Tolerance</b>	<b>Low</b>
<b>Sun Tolerance</b>	<b>Low</b>

<b>Deer Browse</b>	<b>Moderate - High</b>
<b>Wildlife Value</b>	<b>Moderate</b>
<b>Timber Value</b>	<b>Marginal for valley sites</b>
<b>Resprout ability</b>	<b>No</b>
<b>Hardiness</b>	<b>Moderate</b>

**HABITAT NOTES:** This is an understory species. Will sunburn very easily and will dry out faster than other conifers. Partial shade, filtered light conditions are ideal. Will tolerate more seasonal wetness than fir trees, but requires more drainage than clay soils provide. Susceptible to insect infestations and damage.

**ID NOTES:** Very full looking conifer with soft, scaled needles. The only true native cedar to Yamhill Co. lowlands.

## WESTERN HEMLOCK (TSUGA HETEROPHYLLA)



<b>Height at 20 yrs.</b>	<b>35 ft.</b>
<b>Mature Height</b>	<b>100 ft.</b>
<b>Growth Rate</b>	<b>Slow</b>
<b>Lifespan</b>	<b>Long</b>
<b>Moisture Use</b>	<b>Moderate</b>
<b>Drought Tolerance</b>	<b>Low</b>
<b>Sun Tolerance</b>	<b>Low - Moderate</b>

<b>Deer Browse</b>	<b>Low</b>
<b>Wildlife Value</b>	<b>Moderate</b>
<b>Timber Value</b>	<b>Yes</b>
<b>Resprout Ability</b>	<b>No</b>
<b>Hardiness</b>	<b>Low</b>

**HABITAT NOTES:** Found in higher elevations in moist forested areas. Not a valley species. Sunburns easily and dries out quickly. Requires soil rich with organic matter.

**ID NOTES:** Short, flat, blunt needles. Feathery looking from a distance. Leader and branches drooping. Small, numerous cones.

## WESTERN YEW (TAXUS BREVIFOLIA)



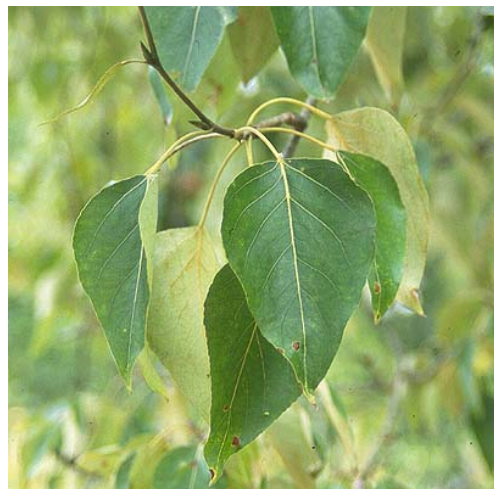
<b>Height at 20 yrs.</b>	<b>8 ft.</b>
<b>Mature Height</b>	<b>40 ft.</b>
<b>Growth Rate</b>	<b>Slow</b>
<b>Lifespan</b>	<b>Long</b>
<b>Moisture Use</b>	<b>Low</b>
<b>Drought Tolerance</b>	<b>Medium</b>
<b>Sun Tolerance</b>	<b>Low</b>

<b>Deer Browse</b>	<b>Moderate</b>
<b>Wildlife Value</b>	<b>Moderate – High</b>
<b>Timber Value</b>	<b>Yes, selective</b>
<b>Resprout Ability</b>	<b>No</b>
<b>Hardiness</b>	<b>Low</b>

**HABITAT NOTES:** Moist old-growth forest with rich soils and full shade. Understory tree that occurs with cedar and hemlock. Does not tolerate sun or disturbance well. A very “delicate” species.

**ID NOTES:** Needles resemble hemlock (short, flat) except they are pointed on the ends. Tree looks short and scrubby, like a stunted hemlock. Bright red fleshy fruit resemble a huckleberry.

## BLACK COTTONWOOD (POPULUS TRICHOCARPA)



Height at 20 yrs.	60 ft.
Mature Height	110 ft.
Growth Rate	Rapid
Lifespan	Moderate
Moisture Use	High
Drought Tolerance	Low
Sun Tolerance	High

Deer Browse	Low
Wildlife Value	Moderate – High
Timber Value	Yes, pulp
Reprout Ability	Yes
Hardiness	Moderate

**HABITAT NOTES:** Common along the larger rivers (Yamhill & Willamette). Prefers well drained sandy soils over heavy clay soils. Can be difficult to establish in 1<sup>st</sup> year, but will grow quickly after establishment. Can be a “messy” tree; branches can become brittle and releases cotton like seeds which may cause allergies.

**ID NOTES:** One of the tallest hardwoods in Yamhill Co. Leaves have silvery sheen when the wind is blowing.

## OREGON ASH (FRAXINUS LATIFOLIA)



Height at 20 yrs.	35 ft.
Mature Height	70 ft.
Growth Rate	Moderate
Lifespan	Moderate
Moisture Use	Moderate
Drought Tolerance	Moderate
Sun Tolerance	Moderate

Deer Browse	Low
Wildlife Value	Moderate
Timber Value	No, Selective
Resprout Ability	Yes
Hardiness	Moderate - High

**HABITAT NOTES:** Very common along the smaller waterways & wetlands in the county. Can tolerate extended periods of winter flooding and dry summer conditions. Prefers filtered sun over full sun conditions.

**ID NOTES:** Branchlet has opposing leaves (directly across from each other). Leaves often have brown spots which increase in size as fall approaches.

**RED ALDER (ALNUS RUBRA)**



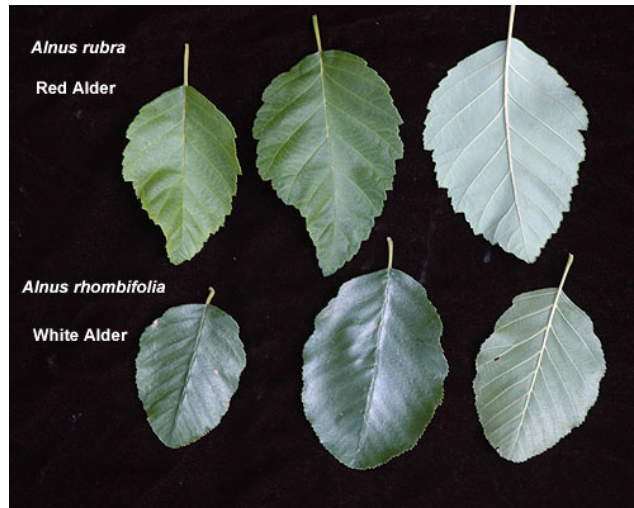
Height at 20 yrs.	50 ft.
Mature Height	100 ft.
Growth Rate	Rapid
Lifespan	Short
Moisture Use	High
Drought Tolerance	Low-Moderate
Sun Tolerance	High

Deer Browse	Moderate
Wildlife Value	Moderate
Timber Value	Yes
Resprout Ability	Yes
Hardiness	Moderate - High

**HABITAT NOTES:** Native to the foothills and coast range mountains. Prefers gravelly over clay soils. Prefers full sun conditions. Will be prone to moisture stress during 1<sup>st</sup> summer. Will grow 3 ft. + / year after established.

**ID NOTES:** Leaves are very coarse and deeply veined. Catkins also distinctive.

**WHITE ALDER (ALNUS RHOMBIFOLIA)**



Height at 20 yrs.	50 ft.
Mature Height	70 ft.
Growth Rate	Rapid
Lifespan	Long
Moisture Use	High
Drought Tolerance	Moderate
Sun Tolerance	Moderate

Deer Browse	Low-Moderate
Wildlife Value	Moderate
Timber Value	Yes, selective
Resprout Ability	Yes
Hardiness	Moderate - High

**HABITAT NOTES:** Native to the valley floor. Will tolerate more extreme conditions (flooding, drought) than red alder. Can be found in clay soils along small and large waterways in the county.

**ID NOTES:** Leaves are deeply veined and tend to be more rounded & glossy than red alder. Does not achieve the height of a red alder.

## BIG LEAF MAPLE (ACER MACROPHYLLUM)



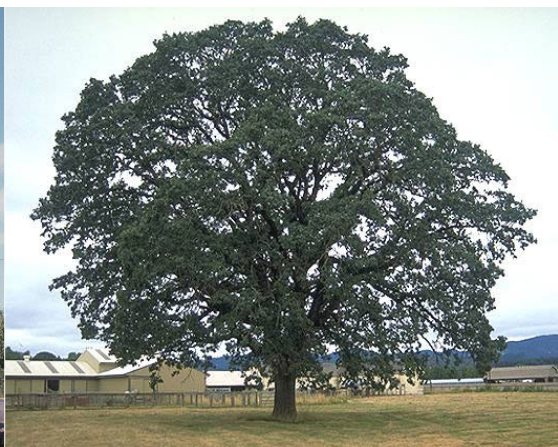
Height at 20 yrs.	40 ft.
Mature Height	90 ft.
Growth Rate	Rapid
Lifespan	Moderate
Moisture Use	Moderate
Drought Tolerance	Low
Sun Tolerance	High

Deer Browse	High
Wildlife Value	High
Timber Value	Yes, selective
Resprout Ability	Yes
Hardiness	Moderate - High

**HABITAT NOTES:** Common along larger waterways in the county. Needs moist soils that are well-drained year around. Top often dies during 1<sup>st</sup> year, but resprout extremely likely. A favorite of Yamhill Co. deer. Very susceptible to heart rot which creates great cavities for wildlife.

**ID NOTES:** Hanging clusters of flowers before leaves open in very early spring. Large fanning leaves which turn golden to orange in fall.

## OREGON WHITE OAK (QUERCUS GARRYANA)



Height at 20 yrs.	20 ft.
Mature Height	80 ft.
Growth Rate	Slow
Lifespan	Long
Moisture Use	Low
Drought Tolerance	High
Sun Tolerance	High

Deer Browse	Low
Wildlife Value	High
Timber Value	Yes, selective
Resprout Ability	Yes
Hardiness	Moderate

**HABITAT NOTES:** Can thrive in a variety of sites from dry, exposed slopes to moist riparian areas. Needs full sun and plenty of space. Do not plant with conifers or fast growing hardwoods.

**ID NOTES:** Leaf is distinctly lobed and shiny. Bark is grey. The county's only native oak. The only local tree that produces acorns.

**PACIFIC CRABAPPLE (MALUS FUSCA)**



Height at 20 yrs.	15 ft.
Mature Height	35 ft.
Growth Rate	Moderate - Rapid
Lifespan	Moderate
Moisture Use	Moderate
Drought Tolerance	Moderate
Sun Tolerance	High

Deer Browse	High
Wildlife Value	High
Timber Value	No
Resprout Ability	Yes
Hardiness	Moderate-High

**HABITAT NOTES:** Adaptable small tree / large shrub that forms thickets. Grows in wet to moist soils in sun or partial shade. Great mid-level canopy tree.

**ID NOTES:** Easiest to identify in the spring when it produces white to pinkish flowers. Produces small cherry like apples in the summer. Young leaves are tinged with red.

**SASKATOON SERVICEBERRY (AMELANCHIER ALNIFOLIA)**



Height at 20 yrs.	12 ft.
Mature Height	30 ft.
Growth Rate	Moderate
Lifespan	Long
Moisture Use	Moderate
Drought Tolerance	Moderate
Sun Tolerance	High

Deer Browse	Moderate
Wildlife Value	High
Timber Value	No
Resprout Ability	Yes
Hardiness	Moderate-High

**HABITAT NOTES:** Adaptable small tree / large shrub that forms thickets. Grows in moist to dry soils in sun or partial shade. Great mid-level canopy tree. Often found in local hedgerows along pastures.

**ID NOTES:** Distinctive blueberry like fruit in late summer, early fall. Delicate, small rounded leaves with slight jagged outer edge.



## **BLACK HAWTHORNE (CRATAEGUS DOUGLASII)**



Height at 20 yrs.	15 ft.
Mature Height	25 ft.
Growth Rate	Moderate
Lifespan	Moderate
Moisture Use	Moderate - High
Drought Tolerance	Low - Moderate
Sun Tolerance	High

Deer Browse	Low
Wildlife Value	High
Timber Value	No
Resprout Ability	Yes
Hardiness	Moderate-High

**HABITAT NOTES:** Occurs in moist soils along streams and fencerows. Will tolerate dry summer conditions, but may not grow to potential height.

**ID NOTES:** Can form thickets or may be a small diameter tree. The only native tree in the area that has long sharp thorns. Reddish-black fruit in fall. Leaves are duller and rounded than deeply lobed, shiny English Hawthorne (non-native invasive) leaves.

## **CASCARA BUCKTHORN (RHAMNUS PURSHIANA)**



Height at 20 yrs.	15 ft.
Mature Height	40 ft.
Growth Rate	Slow
Lifespan	Long
Moisture Use	Moderate
Drought Tolerance	Moderate
Sun Tolerance	Moderate

Deer Browse	Low
Wildlife Value	High
Timber Value	No, medicinal use
Resprout Ability	Yes
Hardiness	Moderate

**HABITAT NOTES:** Occurs in moist well drained soils along streams. More typically found in foothills and mountains of the coast range.

**ID NOTES:** Can take a tree or shrub form. Leaves look similar to an alder leaf (distinctly veined). New wood is reddish. Prolific fruit starts green and turns dark purplish-black in the fall. Locally referred to as Chittam tree.

**PACIFIC DOGWOOD (CORNUS NUTTALLI)**



<b>Height at 20 yrs.</b>	<b>12 ft.</b>
<b>Mature Height</b>	<b>75 ft.</b>
<b>Growth Rate</b>	<b>Moderate</b>
<b>Lifespan</b>	<b>Long</b>
<b>Moisture Use</b>	<b>Moderate</b>
<b>Drought Tolerance</b>	<b>Low</b>
<b>Sun Tolerance</b>	<b>Low</b>

<b>Deer Browse</b>	<b>Low</b>
<b>Wildlife Value</b>	<b>High</b>
<b>Timber Value</b>	<b>No</b>
<b>Resprout Ability</b>	<b>Yes</b>
<b>Hardiness</b>	<b>Low</b>

**HABITAT NOTES:** Shade loving understory tree. Occurs in moist well drained soils with high organic matter. Sunburns easily and is vulnerable to diseases and insect damage.

**ID NOTES:** Can take a tree or shrub form. Easiest to identify in the spring when it's creamy white flowers open. Leaves are veined, soft and pliable.

**PACIFIC MADRONE (ARBUTUS MENZIESII)**



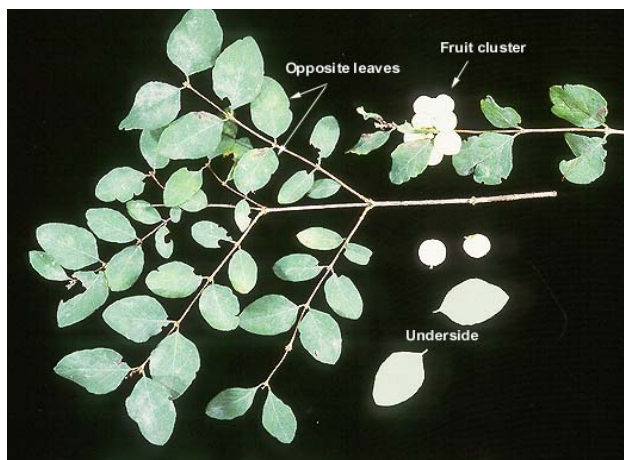
<b>Height at 20 yrs.</b>	<b>15 ft.</b>
<b>Mature Height</b>	<b>80 ft.</b>
<b>Growth Rate</b>	<b>Slow</b>
<b>Lifespan</b>	<b>Long</b>
<b>Moisture Use</b>	<b>Low</b>
<b>Drought Tolerance</b>	<b>High</b>
<b>Sun Tolerance</b>	<b>Moderate</b>

<b>Deer Browse</b>	<b>Low</b>
<b>Wildlife Value</b>	<b>High</b>
<b>Timber Value</b>	<b>No</b>
<b>Resprout Ability</b>	<b>Yes</b>
<b>Hardiness</b>	<b>Low</b>

**HABITAT NOTES:** Grows in full to partial sun on rocky dry soils. Occupies same habitat as Oregon white oak. Very difficult to establish when young. Vulnerable to disease and fungus.

**ID NOTES:** The only evergreen hardwood tree in the county. Distinctive reddish-orange peeling bark. White urn shaped flowers in the spring. Red drooping berries in the fall. Leaves are glossy and stiff.

## COMMON SNWBERRY (SYMPHORICARPOS ALBUS)



Height at 20 yrs.	5 ft.
Mature Height	5 ft.
Growth Rate	Moderate
Lifespan	Long
Moisture Use	Low
Drought Tolerance	High
Sun Tolerance	High

Deer Browse	Low
Wildlife Value	High
Timber Value	N/A
Resprout Ability	Yes
Hardiness	High

**HABITAT NOTES:** Grows in full to partial sun in a variety of habitats. Very adaptable and hardy. Forms clumps and spreads in hedge-like manner. Low and wide.

**ID NOTES:** Delicate oblong leaves. Pinkish small flowers in early summer which produce waxy white berries that persist through winter.

## DOUGLAS SPIREA (SPIRAEA DOUGLASII)



Height at 20 yrs.	4 ft.
Mature Height	4 ft.
Growth Rate	Moderate
Lifespan	Long
Moisture Use	Low
Drought Tolerance	Moderate
Sun Tolerance	High

Deer Browse	Low
Wildlife Value	Moderate
Timber Value	N/A
Resprout Ability	Yes
Hardiness	High

**HABITAT NOTES:** Grows in full sun wet areas including wetlands, swamps and streambanks.

**ID NOTES:** Rounded shrub with distinct plumes of lavender-pink flowers in the summer. Flower plumes dry and persist into the winter. Leaves are somewhat non-descript.

**PACIFIC NINEBARK (PHYSOCARPUS CAPITATUS)**



Height at 20 yrs.	10 ft.
Mature Height	10 ft.
Growth Rate	Rapid
Lifespan	Long
Moisture Use	Low
Drought Tolerance	Low-Moderate
Sun Tolerance	High

Deer Browse	Low
Wildlife Value	Moderate
Timber Value	N/A
Resprout Ability	Yes
Hardiness	High

**HABITAT NOTES:** Prefers moist, but well drained sites along streambanks. Can take full sun exposure well. One of the hardiest shrubs in the county. A riparian “workhorse”.

**ID NOTES:** Maple like leaves. Orange peeling bark as the shrub matures. White flower clusters in early summer turning to clusters of red fruit in late summer.

**INDIAN PLUM (OEMLERIA CERASIFORMIS)**



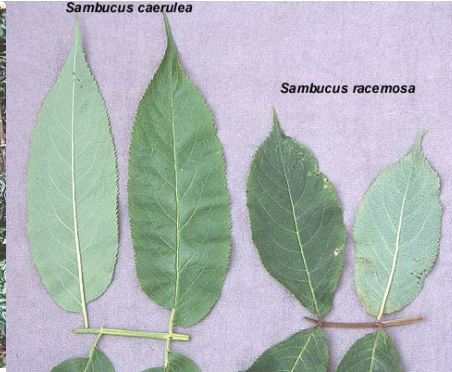
Height at 20 yrs.	12 ft.
Mature Height	12 ft.
Growth Rate	Rapid
Lifespan	Long
Moisture Use	Moderate
Drought Tolerance	Low-Moderate
Sun Tolerance	High

Deer Browse	Low
Wildlife Value	High
Timber Value	N/A
Resprout Ability	Yes
Hardiness	High

**HABITAT NOTES:** Prefers moist, but well drained sites along streambanks. Will grow in sun or shade. Plant in understory of mature forest or in open field and it should fare well unless it gets too dry. Suckering habit.

**ID NOTES:** Upright, multi-stemmed. Drooping, white flower clusters will open in early spring before leaves open. Leaves are oblong and soft. Produces cherry like fruit which starts out orange and turns reddish-purple.

**RED ELDERBERRY (SAMBUCUS RACEMOSA) & BLUE ELDERBERRY (SAMBUCUS CAERULEA)**



<b>Height at 20 yrs.</b>	<b>18 ft.</b>	<b>Deer Browse</b>	<b>Low</b>
<b>Mature Height</b>	<b>18 ft.</b>	<b>Wildlife Value</b>	<b>High</b>
<b>Growth Rate</b>	<b>Moderate</b>	<b>Timber Value</b>	<b>N/A</b>
<b>Lifespan</b>	<b>Moderate</b>	<b>Resprout Ability</b>	<b>Yes</b>
<b>Moisture Use</b>	<b>High</b>	<b>Hardiness</b>	<b>Low-Moderate</b>
<b>Drought Tolerance</b>	<b>Low</b>		
<b>Sun Tolerance</b>	<b>Moderate</b>		

**HABITAT NOTES:** Thrives along streambanks & forest edges. Tends to dry out easily. Needs some moisture year around. Will tolerate sun exposure if it has moisture around roots. Hardiness at a young age goes up significantly with seedling size when planted (bigger is better).

**ID NOTES:** Upright tree / shrub. Plumes of white flowers in early summer. Oblong leaves with pointed tips. Large fruit clusters of red or blue.

**OCEANSPRAY (HOLODISCUS DISCOLOR)**



<b>Height at 20 yrs.</b>	<b>3 ft.</b>	<b>Deer Browse</b>	<b>Low</b>
<b>Mature Height</b>	<b>12 ft.</b>	<b>Wildlife Value</b>	<b>Moderate</b>
<b>Growth Rate</b>	<b>Moderate</b>	<b>Timber Value</b>	<b>N/A</b>
<b>Lifespan</b>	<b>Moderate</b>	<b>Resprout Ability</b>	<b>Yes</b>
<b>Moisture Use</b>	<b>Moderate – High</b>	<b>Hardiness</b>	<b>Low-Moderate</b>
<b>Drought Tolerance</b>	<b>Low - Moderate</b>		
<b>Sun Tolerance</b>	<b>Moderate</b>		

**HABITAT NOTES:** Found in moist forested sites in the understory and along edges. Somewhat difficult to establish when young, but hardy in later years.

**ID NOTES:** Upright multi-stemmed shrub. Plumes of white flowers in mid- summer. Flowers quickly turn brown and persist into fall. Leaves are somewhat similar to a tiny oak leaf with a grayish cast.

## RED FLOWERING CURRENT (RIBES SANGUINEUM)



Height at 20 yrs.	10 ft.
Mature Height	10 ft.
Growth Rate	Moderate
Lifespan	Long
Moisture Use	Moderate
Drought Tolerance	Moderate
Sun Tolerance	Moderate-High

Deer Browse	Low
Wildlife Value	Moderate – High
Timber Value	N/A
Resprout Ability	Yes
Hardiness	Moderate

**HABITAT NOTES:** Often occurs in disturbed sites in full or partial sunlight. Occupies open areas rather than shrubby understory settings.

**ID NOTES:** Upright multi-stemmed shrub with distinct pink flowers in early spring. Leaves resemble a salmonberry leaf. Veined and ruffled leaf.

## LEWIS MOCKORANGE (PHILADELPHUS LEWISII)



Height at 20 yrs.	6 ft.
Mature Height	12 ft.
Growth Rate	Moderate
Lifespan	Moderate
Moisture Use	Low
Drought Tolerance	Moderate
Sun Tolerance	Low-Moderate

Deer Browse	Low
Wildlife Value	Moderate
Timber Value	N/A
Resprout Ability	Yes
Hardiness	Low-Moderate

**HABITAT NOTES:** Occurs in a wide range of habitats from forested settings to rocky, dry sites. Filtered sunlight is ideal. Somewhat difficult to establish as a seedling, but fairly hardy after age 3 or so.

**ID NOTES:** Erect, loosely branched shrub with simple white fragrant flowers during the summer. Leaves are tender and egg shaped with fine teeth along the edges.

## RED OSIER DOGWOOD (CORNUS STOLONIFERA)

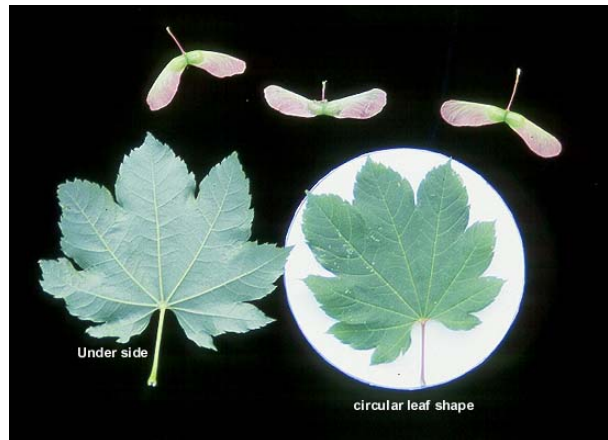


Height at 20 yrs.	15 ft.	Deer Browse	Low
Mature Height	15 ft.	Wildlife Value	Moderate
Growth Rate	Moderate	Timber Value	N/A
Lifespan	Long	Resprout Ability	Yes
Moisture Use	Moderate	Hardiness	Moderate-High
Drought Tolerance	Low-Moderate		
Sun Tolerance	Moderate		

**HABITAT NOTES:** Found in wet to moist areas, along streambanks & swamps. Also, in forested areas. Can tolerate winter flooding conditions. Persists in the same habitat as willow.

**ID NOTES:** Very full, spreading shrub. Width equal to height. Red stems are very visible during winter when it loses its leaves. In summer it has fuzzy white flower clusters which develop into waxy white berries. Leaves are distinctly veined.

## VINE MAPLE (ACER CIRCINATUM)



Height at 20 yrs.	15 ft.	Deer Browse	Low
Mature Height	20 ft.	Wildlife Value	Moderate
Growth Rate	Moderate	Timber Value	N/A
Lifespan	Short	Resprout Ability	Yes
Moisture Use	Moderate	Hardiness	Moderate
Drought Tolerance	Low-Moderate		
Sun Tolerance	Moderate		

**HABITAT NOTES:** Forest understory species. Occurs where organic material is high and there is moisture most of the year. Can tolerate full sun as long as there's moisture in the roots. Pioneer species in disturbed areas.

**ID NOTES:** Numerous branches that spread in all directions. Delicate toothed leaves. Helicopter type seeds which are tinged red. Very noticeable in the fall when leaves turn orange, yellow & flaming red.

## WILLOW (SALIX SPS.)



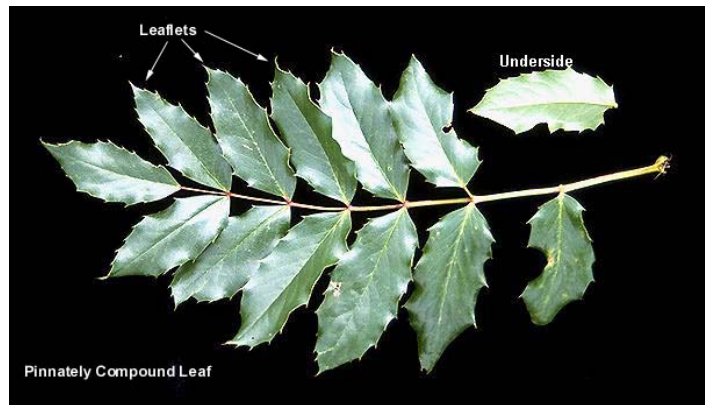
Pictured above (top left, clockwise); Pacific Willow (*Salix lucida* ssp. *lasiandra*), Scouler's willow (*Salix scouleriana*), Sitka Willow (*Salix sitchensis*), Hooker's Willow (*Salix hookeriana*)

<b>Height at 20 yrs.</b>	<b>25 ft.</b>	<b>Deer Browse</b>	<b>Moderate</b>
<b>Mature Height</b>	<b>25 ft.</b>	<b>Wildlife Value</b>	<b>High</b>
<b>Growth Rate</b>	<b>Moderate-Rapid</b>	<b>Timber Value</b>	<b>N/A</b>
<b>Lifespan</b>	<b>Moderate</b>	<b>Resprout Ability</b>	<b>Yes</b>
<b>Moisture Use</b>	<b>High</b>	<b>Hardiness</b>	<b>High</b>
<b>Drought Tolerance</b>	<b>None</b>		
<b>Sun Tolerance</b>	<b>High</b>		

**HABITAT NOTES:** Grows in the wettest habitats. Can grow directly in a stream channel or pond. Needs full to partial sun and wet roots. Will not tolerate drought conditions.

**ID NOTES:** Can take the form of a shrub or a tree. Very full & branchy. Fuzzy pussy willows in the early spring are an easy indicator.

## TALL OREGON GRAPE (BERBERIS AQUIFOLIUM)



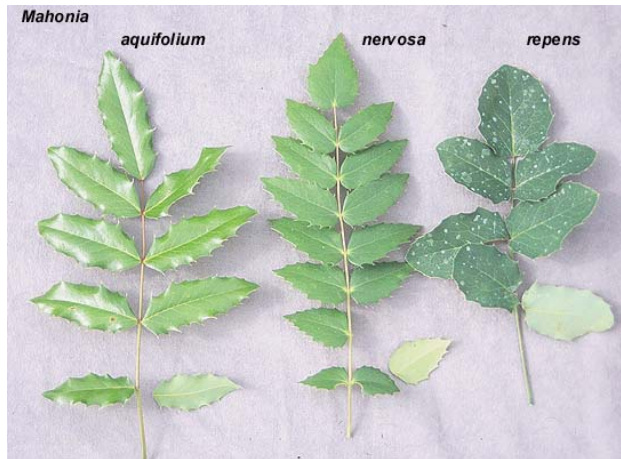
<b>Height at 20 yrs.</b>	<b>8 ft.</b>	<b>Deer Browse</b>	<b>Low</b>
<b>Mature Height</b>	<b>8 ft.</b>	<b>Wildlife Value</b>	<b>High</b>
<b>Growth Rate</b>	<b>Moderate</b>	<b>Timber Value</b>	<b>N/A</b>
<b>Lifespan</b>	<b>Long</b>	<b>Resprout Ability</b>	<b>Yes</b>
<b>Moisture Use</b>	<b>Low</b>	<b>Hardiness</b>	<b>Moderate - High</b>
<b>Drought Tolerance</b>	<b>High</b>		
<b>Sun Tolerance</b>	<b>High</b>		

**HABITAT NOTES:** Common in dry, open sites often with shallow, rocky soils. Will also do fine in moist areas with good drainage.

**ID NOTES:** Leaves look like holly. Sharp on the points of the leaves. Very glossy green. Flowers are bright yellow in spring. Forms purple berries in the summer.



## DULL OREGON GRAPE (MAHONIA NERVOSA)



Height at 20 yrs.	3 ft.
Mature Height	3 ft.
Growth Rate	Slow
Lifespan	Long
Moisture Use	Low
Drought Tolerance	High
Sun Tolerance	High

Deer Browse	Low
Wildlife Value	High
Timber Value	N/A
Resprout Ability	Yes
Hardiness	Moderate - High

**HABITAT NOTES:** Found in forested sites, open & closed, with dry to moist conditions.

**ID NOTES:** Leaves similar to holly, but dull and not as sharp. Turns reddish-purple in fall. Flowers yellow and fruit is blackish-purple.

## CREEPING OREGON GRAPE (BERBERIS REPENS)



Height at 20 yrs.	1.5 ft.
Mature Height	1.5 ft.
Growth Rate	Slow
Lifespan	Long
Moisture Use	Moderate
Drought Tolerance	High
Sun Tolerance	High

Deer Browse	Low
Wildlife Value	High
Timber Value	N/A
Resprout Ability	Yes
Hardiness	Moderate - High

**HABITAT NOTES:** Found in higher elevation forested sites, open & closed, with dry to moist conditions. Needs good drainage.

**ID NOTES:** The ground cover version of Oregon grape. Leaves are much more rounded and soft than other species.

## WESTERN HAZELNUT (CORYLUS CORNUTA var. CALIFORNICA)



Height at 20 yrs.	15 ft.	Deer Browse	Low
Mature Height	15 ft.	Wildlife Value	High
Growth Rate	Slow	Timber Value	N/A
Lifespan	Long	Resprout Ability	Yes
Moisture Use	Moderate	Hardiness	Moderate - High
Drought Tolerance	Low		
Sun Tolerance	Moderate - High		

**HABITAT NOTES:** Moist, but well drained sites in low to mid elevations. Open woodlands, hedgerows and streambanks. Will tolerate shady conditions.

**ID NOTES:** Can take a shrub or small tree form. The leaves are fairly large, coarse and fuzzy. Produces hazelnuts in the late summer / early fall which are covered in a prickly husk.

## NOOTKA ROSE (ROSA NUTKANA)



Height at 20 yrs.	6 ft.	Deer Browse	Low
Mature Height	10 ft.	Wildlife Value	Moderate
Growth Rate	Rapid	Timber Value	N/A
Lifespan	Moderate	Resprout Ability	Yes
Moisture Use	High	Hardiness	High
Drought Tolerance	Moderate		
Sun Tolerance	High		

**HABITAT NOTES:** Found in a variety of habitats from open, dry sites to boggy wet areas. Prefers full sun and some moisture to thrive. Prolific spreader.

**ID NOTES:** Straight thorns on stem. Small serrated leaves and pink flowers in early summer. Keeps rose hips through winter.