### Large Columnar Trees

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip Width	Comments
Abies grandis Grand fir	100'+	35'	No	6	<u>PNW native</u> . Very fast growing, conical to columnar tree. Cylindrical cones with long hidden bracts. Wonderful PNW native tree. Needs a lot of room to grow.
Acer nigrum 'Green Column' Green Column black sugar maple	50'	20'	No	6	Yellow to apricot fall color. Good close to buildings and in hot, dry conditions.
Acer rubrum 'Armstrong' Armstrong red maple	50'	20'	No	6	Golden to orange fall color. Upright, pyramidal form that is significantly narrower than Bowhall.
Carpinus betulus 'Frans Fontaine' Frans Fontaine hornbeam	50'	20'	No	5	Yellow fall color. Most narrow of the hornbeams. Great Plant Pick.
Chamaecyparis lawsoniana Lawson cypress, Port Orford cedar	100'+	30'	No	6	Narrowly columnar tree with a dense crown with a pendulous leading shoot. Reddish-brown bark and oblong cones.
Fagus sylvatica 'Dawyck Purple' Dawyck purple beech	50'	15'	No	6	Purple foliage. Great Plant Pick.
Fraxinus americana 'Empire' Empire ash	50'	25'	No	6	Red fall color. Beautiful glossy, green leaves in summer. Use for areas adjacent to taller building when ash tree is desired species. Drought tolerant. Great Plant Pick.  (Susceptible to Emerald Ash borer)
Ginkgo biloba 'Magyar' Magyar ginkgo	60'	30'	No	6	More upright and narrow than 'Autumn Gold'. Yellow Fall color. Seedless. Tolerant of saline conditions.
Ginkgo biloba 'Princeton Sentry' Princeton Sentry ginkgo	50'	20'	No	6	Yellow fall color. Very narrow growth. Male tree is preferred. Ok in saline conditions.
Liquidambar styraciflua 'Slender Silhouette' Slender Silhouette sweetgum	60'	8'	No	6	Tightly columnar with dark green foliage. One of the tightest and narrowest trees available.  Orange to burgundy fall color.
Liriodendron tulipifera 'Fastigiatum' Columnar tulip tree	50'	15'	No	6	Tightly fastigate. Retains its slender form in maturity. Medium green foliage and bright yellow fall color. Yellow flower with and orange center.
<i>Nyssa sylvatica</i> Blackgum tupelo	65'	25'	No	6	Fall color is a hot, coppery red. Handsome chunky bark. Drops fruit and twigs. Great Plant Pick.
Oxydendrum arboreum Sourwood	50'	15'	No	5	White flower. Scarlet fall color. Slow growing and may only reach 20-30 feet.  Great Plant Pick.
Pinus monticola Western white pine	80'	30'	No	6	<u>PNW native</u> . Narrowly conical when young becoming columnar with age. Smooth dark, gray bark. Conical female cones. Do not plant with <i>Ribes sanguineum</i> due to presence of White Pine Rust.
Quercus palustris 'Pringreen' Green Pillar pin oak	55'	15'	No	6	Fastigiate branching habit give it a very columnar shape. Great for narrow street plantings.  Dark green foliage and a deep-red fall color.

Robinia pseudoacacia ' Pyramidalis'(Fastigiata)	FO'	15'	No	6	Fragrant, white flower. Yellow fall color. Use in narrow sites where choices are limited
Pyramidal black locust	50	15	No	О	due to adverse growing conditions. Grows in poor soils.

#### Large Columnar Trees, continued

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip Width	Comments
Tsuga mertensiana Mountain hemlock	50'	20'	No	6	PNW native. Columnar to conical. Slow growing. Scaly purple to red-brown bark.  Cylindrical cones and small needles.
Taxodium distichum 'Mickelson' Shawnee Brave bald cypress	70'	20'	No	6	Rusty-orange Fall color. Deciduous conifer. Tolerates city conditions.  Doesn't mind standing water.

#### Large Trees

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip Width	Comments
Acer freemanii 'Autumn Blaze' Autumn Blaze maple	55'	40'	No	6	Orange-red, long lasting fall color. Drought tolerant. Fast growing shade tree.
Acer macrophyllum Big leaf maple	75'	50'	No	6	PNW native. Vigorous tree with large leaves forming a broad canopy. Yellow fall color.  Valuable for planting natural areas.
Acer miyabei 'Morton' State Street maple	50'	35'	No	6	Yellow fall color. Similar to, but faster growing and larger than Hedge maple. Pest free foliage.
Acer rubrum 'October Glory' October Glory red maple	50'	35'	No	6	Broadly oval to round shape. Fall color is deep red to reddish purple. Last one to color in the fall.
Acer saccharum 'Bonfire' Bonfire sugar maple	50'	40'	No	6	Bright orange to red fall color. Fastest growing sugar maple. Adapts well to diverse conditions.
Acer saccharum 'Commemoration' Commemoration sugar maple	50'	35'	No	6	Orange to orange-red fall color. Resistant to leaf tatter. Great Plant Pick.
Acer saccharum 'Green Mountain' Green Mountain sugar maple	50'	40'	No	6	Reddish-orange to red fall color. Hardiest sugar maple. Great Plant Pick.
Acer saccharum 'Legacy' Legacy sugar maple	60'	35'	No	5	Reddish-orange to red fall color. Drought resistant. Great Plant Pick.
Aesculus flava Yellow Buckeye	70'	40'	No	6	Seven inch long clusters of yellow flowers and large fruit . Fall color is yellow-orange.  Least susceptible to leaf blotch. Not drought tolerant.
Aesculus hippocastanum Common horse chestnut	85'	70'	No	6	Upright, oval shape. Vigorous and spreading. White flowers and a spiny rounded fruit.  Nuts are poisonous.

Arbutus menziesii Pacific madrone	50'	50'	No	6	<u>PNW native</u> . Irregular narrow shape with peeling red bark. May be difficult to establish.
Betula papyrifera 'Oenci' Renaissance Oasis birch	50'	30'	No	6	Drought tolerant. Bronze Birch Borer resistant. Attractive bright white bark.
Calocedrus decurrens Incense cedar	55'	30'	No	6	PNW native. Fragrant, rich green, fern-like foliage. Cones look like small duck bills.  Can be much taller in good conditions.

#### Large Trees, continued

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Cedrus atlantica glauca Blue atlas cedar	80'	50'	No	6	Pyramidal, open shape with silvery blue foliage. A handsome specimen tree. Especially beautiful where there is ample turf for it to develop naturally.
Cedrus deodara Deodar cedar	100'+	50'	No	6	A conical tree with spreading branches and soft shoot tips.
Cercidiphyllum japonicum Katsura tree	60'	40'	No	6	Yellow to apricot fall color and have a sweet, cottoncandy smell. Needs lots of water when young. Can produce large surface roots. Great Plant Pick.
Eucommia ulmoides Hardy rubber tree	50'	45'	No	6	Dark green, very shiny leaves. Insignificant fall color. Resistant to drought, disease and pests.
Fagus sylvatica 'Asplenifolia' Fernleaf beech	70'	50'	No	6	Golden-brown fall color. Beautiful, narrow cut leaf. Great Plant Pick.
Fagus sylvatica Green beech	50'	40'	No	6	Bronze fall color. Silvery-grey bark. Doesn't like wet soil.
Fagus sylvatica 'Rohanii' Purple oak leaf beech	80'	70'	No	6	Bronzy-brown fall foliage. Attractive purple leaves with wavey margins.  Great Plant Pick.
Fraxinus americana 'Autumn Applause' Autumn Applause white ash	50'	30'	No	6	Purple fall foliage. Reportedly seedless. (Susceptible to Emerald Ash Borer.)
Fraxinus latifolia Oregon ash	75'	35'	No	6	PNW native. Yellow fall color. Only native ash in the PNW.
Fraxinus pennsylvanica 'Cimmzam' Cimmaron ash	50'	30'	No	6	Orange-red to brick-red fall color. Compact tree, narrow when young, broadens with age. More upright than 'Patmore'. Seedless. (Susceptible to the Emerald Ash Borer.)
Fraxinus pennsylvanica 'Patmore' Patmore ash	50'	35'	No	6	Yellow fall color. Extremely hardy. May be seedless. Disease resistant.  Not drought tolerant. (Susceptible to the Emerald Ash Borer.)
Fraxinus pennsylvanica 'Urbanite' Urbanite ash	50'	40'	No	6	Deep bronze Fall color. Broadly pyramidal. Tolerant of city conditions. (Susceptible to the Emerald Ash Borer.)

Gymnocladus dioicus 'Espresso' Espresso Kentucky coffee tree	50'	35'	No	6	Yellow fall color. Very coarse branches . Extremely large, bi-pinnately, compound leaves.  Seedless. Tolerant of heat, drought, cold, saline.
Liquidambar styraciflua 'Rotundiloba' Rotundiloba sweetgum	50'	35'	No	8	Only sweetgum that is entirely fruitless. Smooth rounded leaf lobes. Orange to purple fall color. Only sweetgum that is entirely fruitless.
Metasequoia glyptostroboides Dawn redwood	50'	25'	No	6	Rusty orange fall color. Fast growing deciduous conifer. Great Plant Pick.
Nothofagus antarctica Antarctic beech	50'	35'	No	5	Yellow fall color. Rugged, twisting branching and petite foliage. Great Plant Pick

### Large Trees, continued

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Pinus sylvestris Scott's pine	50'	30'	No	6	Conical to columnar. Interesting, flakey, red-brown to orange bark give this tree a striking appearance in the landscape.
Platanus x acerifolia 'Bloodgood' Bloodgood London Plane tree, Sycamore	50'	40'	No	8	Yellow Fall color. More anthracnose resistant than other varieties.  Large tree that needs space. Can be messy. Roots can be invasive.
Plantanus x acerifolia 'Yarwood' Yarwood London Plane tree	50'	40'	No	8	Yellow-brown Fall color. High resistance to powdery mildew. Roots can be invasive.
Pterostyrax hispidus Fragrant Epaulette tree	50'	40'	No	5	Pendulous, creamy, fragrant, white flowers. 5" ribbed fruit. Difficult to find in the nursery trade.
Quercus bicolor Swamp white oak	70'	50'	No	8	Yellow-brown to reddish fall color. Interesting, shaggy, peeling bark. Tolerant of both wet and dry soil.
Quercus coccinea Scarlet oak	70'	50'	No	6	The red fall color makes this the best oak for fall color. Drought tolerant.
Quercus garryana Oregon oak	75'	75'	No	8	<u>PNW native</u> . Great Plant Pick.
Quercus ilex Holly oak	80'	70'	No	5	Evergreen oak. Underside of leaf is silvery white. Tree often has a prominent umbrella form.
Quercus imbricaria Shingle oak	70'	50'	No	6	Yellow to rusty-red fall color. Nice summer foliage. Leaves can persist throughout the winter.
Quercus muehlenbergii Chestnut oak, Chinquapin	60'	50'	No	6	Yellow to yellow-brown fall color. Coarsely toothed leaf. Does well in alkaline soil.
Quercus robur English oak	50'	40'	No	6	Broad rounded open crown. Yellow-brown fall color. Adaptable to various soils and climates.
Quercus velutina Black oak	60'	50'	No	8	Rusty-red fall color. Drought tolerant and tolerant of poor soil.

Robinia pseudoacacia 'Frisia' Frisia locust	50'	30'	No	6	White flowers. Golden-yellow fall color. Tough, drought tolerant. Grows in polluted urban conditions.
Styphnolobium (Sophora) japonica 'Regent' Regent Japanese pagoda tree	50'	40'	No	6	Yellowish-white flower. Yellow fall color. Has a rapid growth rate. Can tolerate city conditions. Heat and drought tolerant.
Taxodium distichum 'Green Whisper' Green Whisper bald cypress	55'	30'	No	8	Rusty-orange fall color. A deciduous conifer, broadly spreading when mature. Columnar when young. Great Plant Pick.
Ulmus 'Frontier' Frontier elm	50'	35'	No	6	Burgundy fall color. Resistant to Dutch Elm Disease and phloem necrosis.
Ulmus 'Homestead' Homestead elm	60'	35'	No	6	A complex hybrid - close in form to American elm. Resistant to Dutch Elm Disease and phloem necrosis.

#### Large Trees, continued

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Ulmus parvifolia 'Emer 11' Allee Elm	50'	35'	No	5	Yellow to red fall color. Exfoliating bark. Tiny red flowers in late summer.  Resistant to Dutch Elm Disease.
<i>Zelkova serrata</i> 'Green Vase' Green Vase Zelkova	60'	50'	No	6	Orange to purple fall color. Bark has nice winter appeal. Resistant to Dutch Elm Disease.  Good replacement for the American Elm. Great Plant Pick.

#### Medium Columnar Trees

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Acer rubrum 'Bowhall' Bowhall red maple	40'	15'	No	5	Upright, very narrow shape. Excellent for street plantings. Yellow-orange to reddish-orange fall color.
Acer rubrum 'JFS-KW78 'PP2530' Armstrong Gold red maple	40'	12'	No	5	Narrow, tightly fastigiate shape. Medium-green foliage and golden to orange fall color. Improved columnar form recommends it for narrow street planting sights.
Acer rubrum 'Karpick' Karpick red maple	45'	20'	No	6	Yellow to orange fall color. Finer texture than other narrow forms of maple.  Becomes oval with age.
Chamaecyparis nootkatensis 'Pendula' Nootka flasecypress, Alaska yellow cedar	35'	20'	No	6	Lovely, pendant tree with an open crown that has a strongly weeping, pyramidal form when mature.
Gleditsia triacanthos ' Draves' PP21698 Street Keeper honeylocust	45'	20'	No	6	Narrow, strongly upright, tightly pyramidal shape. Foliage is dark green, finely textured with yellow fall color. Ideal for city streets. Branch structure gives it a canopy that is half as wide as other cultivars.
Quercus robur 'Fastigiata' Skyrocket oak	45'	15'	No	6	Yellow-brown fall color. Columnar variety. Holds its shape better than others.

Quercus robur x Q. alba 'Crimschmidt' PP9103 Crimson Spire oak	45'	15'	No	6	Columnar, tightly fastigate shape with dark green to bluish-green foliage. Fall color is rusty red. Mildew resistant.
Zelkova serrata 'Musashino' Musashino columnar zelkova	45'	15'	No	6	Very narrow upright vase shape. Medium green foliage and yellow fall color. Ideal for narrow street use.

#### Medium Trees

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Acer campestre Hedge maple	40'	30'	No	5	Contrary to its name, this is not a small tree. Has a nice overall shape and structure. Yellow fall color. Low maintenance, tough tree. Adapts well to urban settings. Medium, slow growth rate and long lived.
Acer campestre 'Evelyn' Queen Elizabeth maple	40'	30'	No	5	Yellowish fall color. More upright branching than the species. Rounded at maturity.  Reliable city tree.

#### Medium Trees, continued

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Acer pseudoplatanus Sycamore maple	40'	30'	No	6	Upright spreading branches with a rounded crown. Dark green foliage and yellow fall color.  Adaptable to varied growing conditions including high pH. soils and exposed sites. Salt tolerant.
Acer pseudoplatanus 'Atropurpureum' Spaethii maple	40'	30'	No	5	Leaves green on top and purple underneath.
Acer rubrum 'Scarsen' Scarlet Sentinel maple	40'	25'	No	6	Leaves are darker green and larger than those of other red maples, and they hold up well in summer heat. Yellow-orange to orang-red fall color.
Acer rubrum 'Schlesingeri' Schlesingeri red maple	45'	30'	No	6	Vase shaped. Leaves turn dark red early in fall.
Acer truncatum x A. platanoides 'Keithsform' Norwegian Sunset maple	35'	25'	No	5	Yellow to orange-red fall color. Oval shape when mature. Nice branch structure. Heat resistant.
Acer x platanoides 'Crimson King' Crimson King Norway maple	40'	35'	No	6	Oval when young becoming rounded with age. Deep purple foliage. Fall color is maroon to reddish bronze. Retains color well from spring to fall. Norway maple is known to be invasive in some parts of the country.
Aesculus x carnea 'Briotii' Red horsechestnut	40'	40'	No	6	Dark, red flower. Resists heat and drought better than the other horsechestnuts.  Very symmetrical tree. Chestnut litter.
Betula nigra River birch	40'	35'	No	6	Broadly pyramidal to rounded shape. Foliage is medium to dark green. Yellow to gold fall color. The bark exfoliates. Resistant to the Bronze Birch Borer and Japanese beetle.

Betula papyrifera 'Varen' PP15768 Prairie Dream birch	40'	25'	No	6	Pyramidal to upright-oval shape. Adaptable and stress tolerant with snow white bark. Leaves turn golden yellow in fall. Is resistant to the Bronze Birch Borer.
Carpinus betulus 'Fastigiata' European hornbeam	35'	25'	No	5	Dense and compact when young, becoming oval with age. Symmetrical and formal in appearance. Heat and drought resistance. Seems to be reliably free of disease and pest problems except for the Bronze Birch Borer. Yellow fall foliage.
Cladrastis kentukea Yellowwood	40'	40'	No	5	White long clusters of flowers in spring resemble wisteria. Yellow-gold fall color.  Compound leaves and arching branches.
Cornus controversa 'June Snow' Giant dogwood	40'	30'	No	5	White flowers. Orange to red fall color. 6" clusters of white flowers in June. Outstanding fall color. Great Plant Pick.
Cornus nuttallii Pacific dogwood	35'	25'	No	5	PNW native. Large white flowers. Some rebloom in late summer.  Conical shape.
Corylus colurna Turkish filbert	45'	30'	No	5	Yellow fall color. Tight, formal, dense crown. Not for areas with high pedestrian traffic as tree can have significant debris from nut production. Drought tolerant.  Great Plant Pick.

### Medium Trees, continued

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Davidia involucrata Dove tree	40'	30'	For landscape only	0	White handkerchief-like flowers. Flowers in May. Very slow to bloom. Great Plant Pick.
Fraxinus americana 'Junginger' Autumn purple ash	45'	40'	No	6	Rounded shape with mottled, yellow-orange to reddish, purple fall color. (Susceptible to the Emerald Ash Borer.)
Fraxinus oxycarpa 'Raywood' Raywood Ash	45'	30'	No	6	Oval shape with a dense crown. Fast grower with a purple fall color. (Susceptible to the Emerald Ash Borer.)
Fraxinus pennsylvanica 'Summit' Summit Ash	45'	25'	No	6	Upright branching with a narrow, oval shape. Medium green foliage. Yellow fall color. Seedless fruit. A very uniform tree with a good central leader. (Susceptible to Emerald Ash Borer.)
Gingko biloba 'Autumn gold' Autumn Gold ginkgo	45'	35'	No	6	Golden-yellow fall foliage. Narrow when young, broadens with age to pyramidal shape.
Gleditsia triacanthos 'Suncole' Sunburst honeylocust	40'	35'	No	6	Somewhat irregular outline. Bright yellow tip growth is fine textured. The new growth is always bright yellow which contrasts with the darker yellow-green interior foliage.
Halesia monticola Mountain Silverbell	40'	25'	No	5	Ascending branches form a conical to rounded crown. Flowers are white, bell shaped, on pendulous stalks in May. Fall color is yellow.

Halesia tetraptera (carolina) Carolina silverbell	40'	35'	No	5	Yellow fall foliage. Attractive bark for seasonal interest. Native to Southeastern US.
Magnolia kobus 'Wada's Memory' Wada's Memory magnolia	35'	20'	No	5	White, fragrant flowers. Yellow Fall foliage. Does not flower well when young.  Great Plant Pick.
<i>Magnolia denudata</i> Yulan magnolia	40'	40'	No	5	6" fragrant white flowers in spring. Avoid poor and compacted soil.  Great Plant Pick.
<i>Magnolia kobus</i> Kobus magnolia	40'	30'	No	5	Fragrant, white flowers, born profusely in mid-spring. Roots are not aggressive.  Plant Pick.
Morus alba Fruitless mulberry, white mulberry	35'	30'	No	5	Rounded form. Fruitless. Dark green foliage turns yellow in fall.
Nyssa sylvatica Black tupelo, sourgum	35'	20'	No	5	Pyramidal when young, spreading with age. Dark green, glossy foliage becomes brilliant in fall with scarlet, maroon, yellow, and orange coloring. Fissured gray bark provides winter interest. Adapts to urban conditions.
Ostrya virginiana American hop hornbeam	40'	25'	No	6	Upright, oval shape with dark foliage and yellow fall color. Pest resistant and tolerant of drought and alkaline soils. Hop like fruit and finely serrated hornbeam like leaves.  Slow growing. Performs well in urban settings.

### Medium Trees, continued

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Phellodendron amurense 'Macho' Macho cork tree	45'	45'	No	5	Yellow fall color- color can be varied. This variety is fruitless. High drought tolerance.
Pinus contorta v. contorta shore pine	45'	30'	No	5	PNW native. Broadly conical when young.
Pyrus calleryana 'Aristocrat' Aristocrat pear	40'	28'	No	5	Pyramidal shape with open spreading branches. Narrow, dark green, glossy foliage.  Deep red fall color and white flowers. Open and formal appearance.  More resistant to storm damage.
Pyrus calleryana 'Glen's Form' Chanticleer pear, Cleveland Select pear	40'	20'	No	5	White flowers. Reddish fall color. A selected variety of Callery pear. Good spring flowering.  Reported as invasive in some areas. Disease resistant to fire blight. Less susceptible to wind breakage than Bradford.
Pyrus calleryana 'Redspire' Redspire pear	45'	30'	No	5	Abundant white flowers in spring. Yellow to red fall foliage. A symmetrical shape and tight branches. A good improvement over Bradford. Smaller and narrower than other pears.

Quercus bicolor Swamp white oak	45'	45'	No	6	Rounded open shape. Foliage is green with wavey margins. Fall color is yellowish to reddish brown. Beautiful native tree. Adaptability to wet, poorly drained soils, and tolerance to drought make it a fine choice for urban settings.
Styphnolobium (Sophora) japonica 'Halka' millstone Japanese pagoda tree	45'	35'	No	6	Broadly oval to round. Lustrous dark green foliage with creamy white flowers in clusters.  Yellow fall color. Upsweeping branches form a dense rounded crown. Less susceptible to canker than the species.
Tilia americana x euchlora 'Redmond' Redmond linden	35'	25'	No	5	Densely pyramidal shape with light green foliage and yellowish fall color.  Large leaves give it a textured appearance. Is susceptible to aphids.
Ulmus parvifolia 'Emer 1' Athena classic elm	40'	45'	No	5	Yellow or red fall color. High resistance to Dutch Elm Disease. Drought resistant.  Cinnamon colored, exfoliating bark for seasonal interest.
Zelkova serrata 'Village Green' Village Green Zelkova	40'	40'	No	6	Rounded vase shape. Deep green foliage and rusty-red fall color. Widely used, it is upright and faster growing than the species. Foliage is very dense and presents a clean appearance. Resistant to Dutch Elm Disease. Great Plant Pick.  'Green Vase', 'Musashino', and 'Halka' are improved forms.

#### Small Columnar Trees

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Acer saccharum 'Sugar Cone' Sugar Cone maple	25'	13'	Yes	4	Compact, dwarf, with a pyramidal shape. Dark green foliage with yellow-orange fall color.  Most dwarf of the sugar maples. Stays small and tight.
<i>Malus</i> 'Tschonoskii' Tschonoskii crabapple	30'	15'	No	5	White flowers. Orange, red, and purple fall color. Sparse green fruit may be a nuisance.  Excellent resistance for Cedar Apple Rust and mildew.
Parrotia persica 'Chrishaven1' Golden Bell Tower parrotia	30'	12'	No	4	One of the most reliably upright and columnar selections.  Maintains its form as it ages. Bright orange fall color.
Parrotia persica 'Vanessa' Vanessa parrotia	28'	14'	Yes	4	Upright and tightly vase shaped with showy red stamens. Orange to red fall color.  Better for small landscapes or use near streets.

#### **S**mall Trees

Scientific & Common Name	Mature Height Sprea	Under Wires Min Stri	Comments
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Acer buergerianum Trident maple	30'	30'	No	5	Red or orange fall color. Somewhat shrub like. Must train to a single stem. Interesting bark. Adaptable to urban environments. Great Plant Pick.
Acer ginnala 'Flame' Flame maple	20'	20'	Yes	5	Very Hardy. Low branched or multi-stemmed. Brilliant orange-red to deep red in the fall.  Specimens are interesting in form due to their spreading branch pattern.
Acer glabrum v. douglasii Douglas maple	25'	15'	Yes	5	<u>PNW native</u> . Fall color is yellow-orange to red. Deeply lobed leaves are on purplish red stems. Red tinted samaras Fall colors are bright and red twigs make good year round interest.
Acer grandidentatum 'Schmidt' Rocky Mountain Glow maple	30'	20'	No	5	Yellow to orange-red fall color. Fall color can be intense. Limited availability in the nursery trade.
Acer griseum Paperbark maple	30'	25'	No	5	Red fall foliage. Peeling, cinnamon bark for seasonal interest. Great Plant Pick.
Acer triflorum Three-flower maple	30'	30'	No	5	Yellow-green flowers. Orange to red fall foliage. Multi-seasonal interest with exfoliating bark.  Great plant pick.
Aesculus californica California buckeye	25'	30'	Yes	5	Fragrant white or pink tinged flowers with long stamens in cylindrical panicles.
Amelanchier x grandiflora 'Robin Hill' Robin Hill serviceberry	25'	18'	Yes	4	Clusters of pale pink flowers in the spring. Edible purple fruit. Fall color is orange.
Amelanchier laevis Allegheny serviceberry	25'	15'	Yes	4	Can be both multi-stemmed and tree form. White clusters of flowers. Edible purplish blue-fruit. Fall color is orange.

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Asimina triloba Pawpaw tree	30'	20'	No	5	Burgundy flowers. Yellow to copper fall foliage. Flowers in spring before the leaves.  Difficult to find in nursery trade. Great in a rain garden.
Caragana arborescens 'Pendula' Weeping Siberian peashrub	15'	15'	Yes	4	Small yellow flowers, and yellowish fall color. Adapts to drought and poor or alkaline soil.  Does not like wet soil.
Carpinus caroliniana American hornbeam	30'	20'	No	5	Yellow-orange to red fall color. Nice little tree. Native to the east coast. Great Plant Pick.
Carpinus japonica Japanese hornbeam	30'	30'	No	5	Yellow fall foliage. Wide spreading. Slow growing. Great Plant Pick.
Cedrus atlantica 'Glauca Pendula' weeping blue atlas cedar	15'	20'	Best for landscape	4	Vertically drooping branches. Silvery blue needles. For landscaping only.
Cercidiphyllum japonicum ' Rotfuchs' Red fox katsura	30'	16'	No	4	Upright oval shape. Purple leaves in spring to bronze green in summer. Orange-bronze fall color. Form is suited to tighter spaces than the broader spreading species.

Cercis canadensis Eastern redbud	25'	30'	Yes	4	Multi-stemmed or low branching tree. Semi flat topped. Reddish purple in bud with flowers that bloom along the branch before the heart shaped leaves appear in spring.
Cercis canadensis 'Appalachian Red' Appalachian red redbud	20'	25'	Yes	4	Multi-stemmed or low branching tree. With hot pink flowers emerging from magenta buds prior to leafing out.
Cercis siliquastrum Judas tree	25'	30'	Yes	5	Purplish-rose flowers on bare twigs in the spring. Yellow fall color. Drought resistant.
Clerodendrum trichotomum Harlequin glorybower	20'	20'	Yes	5	Rounded form. Fragrant white flowers with red tepals. Bloom in July.
Cornus alternifolia Pagoda dogwood	25'	30'	Yes	5	Small white flowers in flat clusters. Red to purple fall color. Great Plant Pick.
Cornus 'Eddie's White Wonder' Eddie's White Wonder dogwood	30'	20'	No	5	White Flowers and red fall foliage. Hybrid of <i>Cornus florida</i> and <i>C. nuttallii</i> .
Cornus kousa 'Milky Way' Milky Way dogwood	20'	20'	Yes	5	Large, creamy white bracts. Resistant to anthracnose. Bright red to orange-red fall color.
Cornus kousa 'Satomi' Satomi dogwood	20'	20'	Yes	5	Vase shape to rounded form. Rose pink flowers. Has fruit. Red fall foliage.
Cornus mas Cornelian cherry	18'	22'	For landscape only	0	Low branched rounded shape. Fall color is reddish purple. Yellow flowers in the spring. Exfoliating bark. Bright red edible cherry, like fruit. Fruit can be messy.

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Crataegus laevigata 'Crimson Cloud' Crimson cloud hawthorn	25'	18'	Yes	4	Oval with upright, wavey, spreading branches. Flowers are bright red with white centers.  Bright red fruit. Distinctive for its wavey branch habit. Resistance to leaf spot.
Crataegus phaenopyrum Washington hawthorn	25'	20'	Yes	4	Broadly oval to rounded shape with glossy deep green leaves. White clusters of flowers and bright glossy red small fruit. Fall color is orange to scarlet and reddish purple. Best North American hawthorn. Good as multi-stemmed or single trunk form.
Crataegus x mordenensis 'Snowbird' Snowbird hawthorn	22'	20'	Yes	4	Upright and oval. Small, white, double flowers in clusters with crimson fruit.
Crataegus crus-galli v. inermis Thornless cockspur hawthorn	25'	25'	Yes	4	Rounded and spreading. Leathery, deep green glossy foliage. Small, white flowers in two inch clusters. Small, dark red fruit. Adaptable and lacks the thorns of the regular hawthorn.

Cryptomeria japonica 'Cristata' Cockscomb Japanese cedar	25'	15'	Yes	4	Unusual twisted cockscomb like growth at branch ends. Cone is upright in form.
Cryptomeria japonica 'Elegans'	30'	10	No	4	Pyramidal form. Feathery grey-green foliage turns a rich, coppery red or purple in winter.  'Aurea' is similar, but turns yellow in winter.
Cryptomeria japonica 'Sekkan-sugi' Golden Japanese cedar	30'	10'	No	4	Creamy yellow new growth with rich green interior. Upright, narrow pyramid shape.
Cryptomeria japonica 'Black Dragon' Black Dragon Japanese cedar	10'	6'	Yes	4	Light green spring growth matures to a deep black-green in summer. Forms a dense, irregular pyramid. Interesting, evergreen specimen.
Cryptomeria japonica 'Araucarioides' Bizarre or Snake-branched Japanese cedar	20'	10'	Yes	4	Long whiplike branches end in whorls of elongated branches. Very unique tree.
Fagus sylvatica 'Purpurea Pendula' Weeping purple European beech	12'	15'	For landscape only	0	Purple foliage. Golden bronze in fall. Best for landscaping only.
Frangula (Rhamnus) purshiana Cascara, Buckthorn	30'	20'	No	5	PNW native. Yellow fall foliage. Purplish fruit feeds many native birds.
Franklinia alatamaha Franklin tree	20'	15'	For landscape only	0	Large white, fragrant flowers with an orange center. Orange-red fall foliage.  Needs good drainage. For landscaping only.
Fraxinus excelsior 'Aureafolia' Golden Desert ash	20'	18'	Yes	4	Yellow foliage and yellow-golden fall color.
Hamamelis x intermedia 'Diane' Diane witch hazel	12'	15'	Yes	5	Crimson-red, fragrant flowers in late winter. Bright orange-red fall foliage.

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Heptacodium miconioides Seven-son flower	20'	15'	Yes	5	Fragrant white clusters of flowers with red calyxes. Purple fall foliage. Exfoliating bark provides winter interest. Good source of nectar for butterflies and insects.
Koelreuteria paniculata Goldenrain tree	30'	30'	No	5	Yellow clusters of flowers. Yellow fall foliage. Mid-summer blooming. Slow-growing. Great Plant Pick.
<i>Maackia amurensis</i> Amur maackia	30'	20'	No	5	Upright, white clusters of flowers. Seed pods. Interesting exfoliating bark. Flowers in June or July. Grows well in tough environments. Nitrogen fixer.
Magnolia grandiflora 'Bracken's Brown Beauty' Bracken's Brown Beauty magnolia	30'	25'	No	5	Large, saucer-shaped, fragrant flowers. Dense uniform growth habit. Considered one of the best Southern Magnolia cultivars. Somewhat available.

Magnolia grandiflora 'Little Gem' Little Gem magnolia	20'	10'	Yes	4	Dwarf, fairly narrow tree that is great for small yards. Fragrant, white flowers and evergreen leaves.
Magnolia grandiflora 'Victoria' Victoria magnolia	20'	20'	Yes	4	Creamy flowers are fragrant. Prefers non-windy site. Pyramidal form. Can be messy.
Magnolia x loebneri 'Merrill' Merrill magnolia	25'	25'	Yes	4	Rounded, low-branched with large white flowers. Yellow-green fall color. Flowers at an early age and flowers heavily. Hardy and reliable.
Malus 'Adirondack' Adirondack crabapple	18'	10'	Yes	6	Densely upright inverted-cone in form. Outstanding flower display of white flowers.  Compact and dense with a bright red fruit. Scab, fire blight, cedar apple rust  and mildew resistant.
Malus 'Golden Raindrops' Golden Raindrops crabapple	20'	20'	Yes	6	White flowers. Persistent yellow fruit in fall and winter. Resistant to scab, cedar apple rust and mildew. Great Plant pick.
Malus 'Robinson' Robinson crabapple	25'	25'	Yes	6	Upright, spreading, rounded shape with deep pink flowers. Tiny red fruit. Fastest growing crabapple. Good disease resistant. Fire blight, cedar apple rust resistance is excellent.
Malus tschonoskii Tschonoskii crabapple	28'	14'	Yes	6	Upright, narrowly oval shape. Silver-green to green foliage and white flowers.  Greenish sparse fruit. Orange-red and purple fall foliage. Resistance to Scab is good, fire blight is poor, Cedar apple rust and mildew is excellent.
<i>Malus</i> 'Prairie Fire' Prairie Fire crabapple	20'	20'	Yes	6	Upright rounded tree. Purple foliage becoming reddish green. Bright pinkish red flowers.  One of the best red leaved crabs with excellent disease resistance.
Malus 'Snowdrift' Snowdrift crabapple	20'	20'	Yes	6	Very formal looking crabapple. White flowers. Orange fruit. Upright, spreading, densely rounded shape.
Malus 'Donald Wyman' Donald Wyman crabapple	25'	25'	Yes	5	Large, single white blossom. Nice green foliage in summer. Resistant to scab, cedar apple rust and mildew.

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Malus floribunda Japanese flowering crabapple	18'	25'	Yes	6	Spreading, irregular shape. Flowers are pink fading to white with red fruit.  Great winter silhouette. Good scab resistance.
Parrotia persica 'Inge's' Ruby Vase parrotia	28'	16'	Yes	4	Upright, narrow vase shape with red new growth turning dark green in summer. Showy red stamens and orange-red fall color. Suitable for street use. 'Vanessa' is similar in size and form.
Prunus cerasifera 'Krauter Vesuvius' Krauter Vesuvius flowering plum	20'	15'	Yes	5	Dark purple foliage. Upright form. Light pink flower. Similar to 'Thunder Cloud', but a little smaller and more upright.

Prunus cerasifera 'Thundercloud' Thundercloud flowering plum	20'	20'	Yes	5	Upright, rounded dense form. Dark purple foliage and light pink flowers.
Prunus 'Frankthrees' Mt. St. Helen's plum	20'	20'	Yes	5	Light pink flowers and burgundy colored leaves. Tree best used as an accent rather than in mass plantings.
Prunus serrulata 'Royal Burgundy' Royal Burgundy ornamental cherry	20'	15'	Yes	5	Deep purple foliage and bronze-purple fall color. Slow growing and broadly vase shaped.  Double magenta-pink flowers. Seedless.
Prunus serrulata 'Snow Goose' Snow Goose flowering cherry	20	20	Yes	5	White single flowers and healthy, green, disease resistant foliage. Orange fall color.
Prunus sargentii 'Sargent' Sargent cherry	30'	30'	No	5	Upright spreading branches with a rounded crown. Single pink flowers in clusters.  Dark green foliage. Good fall color. Bronze-orange to orange-red. Nice mahogany colored  bark. Hardier than other Japanese cherries.
Prunus subhirtella 'Pisnshzam' Pink Snow Showers weeping cherry	25'	25'	for landscape only	0	Weeping shape with pink single flowers. Fall color is yellow to bronze.  Appears to have better resistance to shothole disease than other weeping cultivars.  Fragrant cascade of pink flowers.
Prunus x hillieri 'Spire' Spire cherry	30'	10'	No	5	Columnar to narrowly vase shaped. Single pink flowers and orange-red fall color.
Prunus x yedoensis 'Akebono' Akebono flowering cherry	25'	25'	Yes	6	Massess of large, semi-double, delicate pink flowers. Most widely planted cherry in the PNW. Very disease resistant.
Pyrus calleryana 'Jaczam' Jack callery pear	20'	10'	Yes	4	Dense crown with closely spaced branches. Very upright. White flowers in the spring cover the tree. Fall color is yellow to bright red.
Quercus garryana Oregon oak	30'	30'	No	8	PNW native. Reddish-brown fall foliage. Great Plant Pick.
Sorbus americana 'Dwarfcrown' Red Cascade mountain ash	20'	8'	Yes	5	Yellow or red fall foliage. Leaflets. Nice winter form with red berries in cluster.
Styrax obassia Fragrant snowbell	25'	20'	Yes	6	Oval shape with white fragrant flowers in chains. Blooms two weeks earlier than others Styrax. Nice bold texture.

Scientific & Common Name	Mature Height	Spread	Under Wires	Min Strip	Comments
Thuja plicata 'Hogan' Hogan's Western red cedar	30'	20'	No	6	Variant of the PNW native Western red cedar. Keeps a very symmetrical shape throughout its life. Foliage is very dense.
Zelkova serrata 'JFS-KW1' City Sprite zelkova	25'	18'	Yes	6	Fall foliage is yellow. Compact oval to vase shape. Excellent choice for small urban spaces.