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BENEFITS OF TREES

Trees provide a wide range of benefits and improve the quality of life in our community.

Trees benefit property owners by providing shade, reducing heating and cooling costs, increasing property values.

Trees clean the air, reduce stormwater runoff, stabilize the soil, provide habitat for birds and other wildlife, and enhance the urban landscape.

RIGHT TREE IN THE RIGHT PLACE

The decision to plant a tree on your property or on the street is a long-term investment -- and it should be one that you enjoy for years to come. It will also be an asset to our community and the environment. For every dollar spent on tree planting and maintenance, the community receives a 250% return on investment in terms of total services provided by those trees at maturity.

Before you make that investment:

- Assess the conditions of your site.
- Consider which traits you want in a tree.

After purchasing your tree, you'll need to properly plant and care for it. This document can help you through all the steps so your tree will thrive. It can also help you maintain your tree to avoid infrastructure damage that can lead to costly maintenance.

WHERE TO PLANT

- Plant five feet from driveways.
- To provide effective shading, plant trees within 10 to 30 feet of the house.
- To maximize summer shade, plant on the west side of the house.
- If you want to plant for warmth in winter, consider planting a windbreak, such as a row of evergreen or deciduous trees located on the south side.
- Remember that roots, branches and buildings don't mix.



WHICH TREE?

Before selecting a tree, make sure it is not on the invasive tree list. Look at the site conditions and available growing space now and as the tree matures.

Consider these factors to help you select the most suitable and desirable tree for your site:

AREA

How much available growing space is there?

For street trees, this is generally the width of the planting strip--the area between the sidewalk and the street.

Are there conflicts with nearby infrastructure?

For other areas on your site, the size of the growing space will be determined by planting area size, nearby utility lines, sidewalks, driveways, intersections, structures or existing trees.

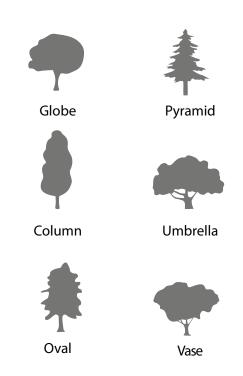


What size tree will best fit the space? Consider the tree's height and canopy spread when it matures. If you have a large enough space, it makes sense to plant a large shade tree instead of a small ornamental one.



SHAPE

Which shape will best fit the space? Different tree species are shaped like a:





How much sun does the site receive? Does the site receive full or partial sun, or full or partial shade? Is it exposed to frequent winds? These answers will help determine the type of tree to plant.



SOIL CONDITIONS

What are the soil qualities? Is it fertile, deep, and well drained? Is it infertile, shallow, and poorly drained? Is the site surrounded by pavement that can dry out a tree?



PROVIDING WATER

How will you water your new tree? Is there a nearby hose spigot for watering, or have you considered tree watering bags or using a bucket with holes? Will you rely on a landscape maintenance service?



What do you want in a tree?
Do you want one that will provide shade,
seasonal color, attract wildlife, and/or act as
a screen? Do you prefer an evergreen tree
or a deciduous tree that will lose its leaves
in the winter?







TYPES OF CITY TREES

Street trees •



A street tree is a tree located in the public right-of-way between the curb, or edge of roadway, and the property line.

Street trees are important vertical elements that shade paved areas and enhance the aesthetic beauty of the community. The best street tree is one that fits well in the available space. The street tree list includes a range of tree species that are based on the width of the planting strip and if overhead power lines are present.

Parking lot trees



A parking lot tree is a tree provides shade in parking lots and is capable of reaching 35 feet in height and spread at maturity.

Parking lot trees are required by Code within 10 feet of the parking stalls, drive aisles or maneuvering areas and are typically larger shade trees so they can cool parked cars and pavement as well as manage stormwater runoff that flows from paved areas into nearby creeks.

Buffer trees



A buffer tree is planted between properties and can be evergreen or deciduous as long as it reaches at least 25 feet in height at maturity.

Buffer trees are intended to provide a visual separation between properties to reduce the impacts between different types of land uses.

CITY TREE LIST

The following pages include a list of City-approved trees to help property owners and developers choose the right tree for the right place.

Common name	Botanical name	Min. planting space width	Mature height	Canopy spread	Form	Compatible with overhead wires?	Remarks
Beech							
Dawyck Purple Beech	Fagus sylvatica 'Dawyck Purple'	4	40	15	Column	×	Deep purple foliage with no change in fall. Attractive bark.
Purple Fountain Beech	Fagus sylvatica 'Purple Fountain'	4	25	15	Column	×	Weeping foliage is deep purple with no change in fall.
Pyramidal Beech	Fagus sylvatica 'Fastigiata'	6	45	15	Column	X	Deep green foliage. Bronze in fall.
Tricolor Beech	Fagus sylvatica 'Roseo-marginata'	6	35	25	Oval	×	Oval habit. Purple leaves have a rose-pink & cream border.
Purple Rivers Beech	Fagus sylvatica 'Riversii'	8	50	40	Oval	×	Deep purple foliage with no change in fall. Attractive bark.
American Beech	Fagus grandifolia	10	50	40	Oval	X	Slow growing. Striking gray bark.
European Beech	Fagus sylvatica	10	50	40	Oval	×	Beautiful bark.
Birch							
Heritage River Birch	Betula nigra 'Heritage'	8	45	30	Oval	X	Attractive bark. Gold in fall.
Paper or Canoe Birch	Betula papyrifera	8	50	35	Oval	X	The most permanent of birches. Dark green foliage. Yellow fall color.
Cedar							
Atlas Cedar	Cedrus atlantica	10	65	40	Pyramid	X	Blue green needles. Fragrant.
Deodar Cedar	Cedrus deodara	10	80	40	Pyramid	X	Drought tolerant. Attractive bark. Weeping cultivar available (Pendula).
Hogan Cedar	Thuja plicata 'Hogan'	10	100	20	Pyramid	X	Tall, dense, narrow form.
Incense Cedar	Calocedrus decurrens	10	80	20	Column	X	Drought tolerant.
Western Red Cedar	Thuja plicata	10	100	30	Pyramid		
western ned cedar	ттији рпсиси	10	100	30	i yrainid	X	Evergreen. Thrives in moist conditions. Stringy reddish bark. Trunk is wide and fluted at bottom. High relocate success.
Ch							
Cherry Cascade Snow Cherry	Prunus 'Cascade Snow'	4	25	20	Vase	/	Disease resistant, White flowers.
Columnar Sargent Cherry	Prunus sargentii 'Columnaris'	4	30	10	Vase		Green foliage. Deep pink flowers. Orange-red fall color.
Pink Flair™ Cherry	Prunus sargentii 'JFS-KW58'	4	25	15		*,	
FILIX FIGIT CHELLY	riunus suigenin Jrs-NV36	7	23	13	Column	*,	Compact height. Well suited to urban landscapes. Consistently bright orange-red fall color. Single pink flowers in clusters. Blooms later than typical, avoiding frost damage.
Royal Burgundy Cherry	Prunus serrulata 'Royal Burgundy'	4	30	20	Vase	🗸	Vase shaped. Purple-red foliage. Red-orange fall color. Large double pink flowers.
Snow Goose Cherry	Prunus 'Snow Goose'	4	20	20	Vase	🗸	Disease resistant. Widens with age. White flowers.
Akebono Flowering Cherry	Prunus x yedoensis 'Akebono'	6	25	25	Vase	✓	Upright spreading with bright green foliage. Delicate pink flowers in spring. Yellow fall color.
Kwanzan Flowering Cherry	Prunus 'Kwanzan'	6	30	20	Vase	✓	Vase-shaped habit. Dark green foliage. Bronze/orange in fall. Deep pink flower.
Yoshino Cherry	Prunus x yeodoensis	6	30	30	Umbrella	✓	Spreading in habit. Green foliage. Yellow fall color. White flowers with pink tint.















	Common name	Botanical name	Min. planting space width	Mature height	Canopy spread	Form	Compatible with overhead wires?	Remarks
	Chestnut							
•	Red Horse Chestnut	Aesculus x carnea	8	30	35	Globe	✓	Small variety. Long, rosy cluster. Spiky nuts.
	Crabapple							
	Adirondack Crabapple	Malus 'Adirondack'	3	18	10	Column	✓	Densely upright in an inverted cone. Medium green foliage. White flower, bright red fruit.
	Centurion Crabapple	Malus 'Centurion'	3	20	15	Oval	✓	Purple to bronze foliage in summer. Rose-red flower, bright red fruit.
	Columnar Siberian Crabapple	Malus baccata 'Columnaris'	3	30	10	Column	✓	White flower, yellow-red fruit.
	Marilee Crabapple	Malus 'Jarmin'	3	24	10	Oval	✓	Narrow crown. Pink buds open to white blooms. Generally fruitless.
	Prairiefire Crabapple	Malus 'Prairie Fire'	3	20	20	Pyramid	✓	Very disease-resistant. Purple/reddish green foliage. Long-lasting pink/red flowers, small red fruit.
	Purple Prince Crabapple	Malus 'Purple Prince'	3	20	20	Globe	✓	Purple/bronze foliage. Red flower.
	Red Barron Crabapple	Malus 'Red Barron'	3	18	8	Column	✓	Columnar habit. Reddish-purple leaves becoming bronze-green. Dark red flower & fruit.
	Red Jewel™ Crabapple	Malus 'Jewelcole'	3	15	12	Pyramid	✓	Green & white foliage. Red fruit, very persistent through winter.
	Golden Raindrops Crabapple	Malus 'Schmidtcutleaf'	4	20	15	Vase	✓	Unique leaves, white flowers. Small golden yellow fruit.
	Robinson Crabapple	Malus 'Robinson'	4	25	25	Globe	✓	Pink buds, white flower.
	Schnoosuki Crabapple	Malus tschonoskii	4	30	15	Oval	✓	Dark green foliage; turns orange, red, & purple in fall. Sparse yellow-green fruit.
	Sugar Tyme Crabapple	Malus 'Sutyzam'	4	18	15	Oval	✓	Medium green foliage. Yellow fall color.
	Cypress							
	Hinoki Falsecypress	Chamaecyparis obtuse	6	25	10	Pyramid	X	Susceptible to spider mites. Attractive bark.
	Nootka Cypress	Callitropsis nootkatensis	6	45	15	Pyramid	X	Slow-growing and larger with age.
	Bald Cypress	Taxodium distichum	8	55	30	Pyramid	X	Deciduous conifer. Wet/dry sites. Urban tolerant.
	Dogwood							
	Cornelian Cherry Dogwood	Cornus mas	3	20	20	Umbrella	✓	Resistant to verticillium. Gold or red in fall.
	Flowering Dogwood	Cornus florida	3	25	25	Vase	✓	Large number of varieties available.
	Kousa Dogwood	Cornus kousa	3	25	25	Globe	✓	Shade-tolerant.
	Chinese Dogwood	Cornus kousa 'Chinensis'	4	25	25	Globe	/	Dark green foliage. Red in fall. White flower and pinkish-red fruit.
-	Eddie's White Wonder Dog	Cornus 'Eddie's White Wonder'	4	25	20	Pyramid	/	Transplants readily. White flowers, red in fall.
	June Snow Dogwood	Cornus controversa 'June Snow'	4	30	35	Vase	'	Wide spreading. Flowers in May/June.
	National Chinese Dogwood	Cornus kousa 'National'	4	25	25	Vase	√	Resistant to verticillium. Red, gold, or multi-colored in fall.





















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	Stellar Pink Dogwood	Cornus kousa x florida	4	20	20	Vase	✓	Disease resistant. Pink flowers.
	Venus Dogwood	Cornus kousa x nutalli	4	25	20	Vase	 	Vigorous growth. Very large white flowers.
	Giant Dogwood	Cornus contoroversa	8	30	40	Vase	✓	Fast-growing. Large white flowers. Red fall color.
	Pacific Dogwood	Cornus nuttallii	10	50	20	Oval	X	Gray-barked branches grow in horizontal pattern. Oval leaves are green above, gray underneath. Yellow, pnk, & orange fall colors. Orange-red fruit forms in clusters in fall.
	Elm							
	Emerald Sunshine Elm	Ulmus propinqua 'JFS-Biberich'	4	35	25	Vase	X	Strong uprght structure. Yellow fall color with purple tips.
	Accolade™ Elm	Ulmus japonica x wilsonia	6	70	60	Vase	X	Vase shaped with arching limbs. Glossy dark green foliage. Yelow fall color. Resistant to elm beetle and Dutch elm disease.
	Allee Lacebark Elm	Ulmus parvifolia 'Elmer II'	6	50	35	Vase	X	
	Frontier Elm	Ulmus americana 'Frontier'	6	40	30	Globe	X	Pest- and disease-resistant. Substitute for American Elm.
	Patriot Elm	Ulmus 'Patriot'	6	50	40	Vase	X	Substitute for American Elm. Pest- and disease-resistant.
	Prospector Elm	Ulmus wilsoniana	6	40	30	Vase	X	Substitute for American Elm. Pest- and disease-resistant.
	Triumph™ Elm	Ulmus 'Morton Glossy'	6	70	60	Oval	X	Upright oval to vase shape. Glossy dark green foliage. Yellow fall color.
	Pioneer Elm	Ulmus 'Pioneer'	8	50	50	Vase	X	Substitute for American Elm. Pest- and disease-resistant.
	Lacebark Elm	Ulmus parvifolia	10	60	50	Umbrella	X	Interesting mottled bark.
	Fir							
	Noble Fir	Abies procera	6	50	20	Pyramid	X	Needles turned upward exposing lower branches. Also called Christmas tree.
	Douglas Fir	Pseudotsuga menziesii	10	100	60	Pyramid	X	Flat evergreen needles 1-inch long. Smooth bark.
	Grand Fir	Abies grandis	10	100	40	Pyramid	X	One of the largest firs. Can grow up to 300 feet.
	Silver Fir	Abies amabilis	10	50	40	Pyramid	×	Needs lots of room to grow. Dark green evergreen needles, silvery underneath.
	Cinton							
	Ginkgo Princeton Sentry™Ginkgo	Ginkgo biloba 'Princeton Sentry'	4	40	15	Pyramid	X	Green foliage. Bright yellow fall color.
	Autumn Gold Ginkgo	Ginkgo biloba 'Autumn Gold'	6	45	35	Globe	X	Narrow form, broadens with age. Male only. Medium green foliage. Striking yellow fall color is characteristic of seedless clone.
	Halka Ginkgo	Ginkgo biloba 'Halka'	6	45	40	Globe	X	Uniform and symmetrical branching.
	Presidential Gold Ginkgo	Ginkgo biloba 'The President'	6	50	40	Globe	X	Dense upright crown. Bright yellow fall color.
	Saratoga Ginkgo	Ginkgo biloba 'Saratoga'	6	35	30	Globe	X	Requires little maintenance. Extremely free of pests. Very tolerant of pollution & salt. Male only. Slow-growing and long-lived. Yellow fall color.
	Maidenhair Tree	Ginkgo biloba	8	60	45	Column	X	Male only. Many large-stature varieties available.
	Goldenrain							
	September Goldenrain	Koelreuteria paniculata 'September'	4	30	25	Globe	✓	Green leaves. Yellow and orange fall color. Yellow flowers.
	Goldenrain Tree	Koelreuteria paniculata	4	35	35	Globe	X	Tolerant of urban stresses.
Str	eet tree Parking l	lot tree Buffer tree		Globe	Pyra	amid	Column	Umbrella Oval Vase 8





















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	Hackberry							
	Hackberry	Celtis occidentalis	6	40	30	Globe	X	Round in habit. Bright green foliage. Yellow fall color.
	Magnifica Hackberry	Celtis occidentalis 'Magnifica'	6	45	35	Oval	X	Very urban tolerant. Rarely lifts sidewalks.
	,							
	Hawthorn							
	Crimson Cloud Hawthorn	Crataegus laevigata 'Crimson Cloud'	3	25	18	Oval	✓	Oval habit. Glossy green leaves. Bright red flower and red fruit. Virtually thornless.
	Lavalle Hawthorn	Crataegus x lavalleei	4	28	20	Oval	✓	Upright oval habit. Dark green foliage, bronze fall color. Orange-red fruit.
•	Thornless Cockspur Hawthorn	Crataegus crus-galli	4	25	25	Globe	✓	No thorns. Orange fall color.
	Washington Hawthorn	Crataegus phaenopyrum	4	25	20	Oval	✓	Attractive fall color. Orange-red fruit matures in winter and attracts birds.
	Honeylocust							
	Shademaster Honeylocust	Gleditsia triacanthos	4	45	35	Vase	X	Green leaves. Yellow fall color.
	Skyline™ Honeylocust	Gleditsia triacanthos 'Skycole'	4	45	35	Pyramid	X	Upright spreading branches. Finely textured green foliage, golden fall color. Good environmental tolerance.
	Street Keeper™ Honeylocust	Gleditsia triacanthos 'Draves'	4	45	20	Pyramid	X	Green foliage. Fall color.
	Halka™ Honeylocust	Gleditsia triacanthos 'Christie'	6	55	40	Globe	X	Green foliage. Yellow fall color.
	Honeylocust	Gleditsia triacanthos var. inermis	6	45	35	Globe	X	Thornless. Tolerant of urban stresses.
	Hophornbeam							
•	American Hophornbeam	Ostrya virginiana	6	35	25	Oval	X	Medium green foliage. Yellow fall color.
	European Hophornbeam	Ostrya carpinifolia	6	40	25	Globe	X	Nutlets in hop-like bunches.
	Hornbeam							
	American Hornbeam	Carpinus caroliniana	4	25	20	Oval	✓	Needs ample water.
	European Hornbeam	Carpinus betulus	4	35	25	Globe	X	Dense crown.
	Frans Fontaine Hornbeam	Carpinus betulus 'Frans Fontaine'	4	40	30	Column	X	Provides good screening. Attractive fall color.
	Japanese Hornbeam	Carpinus japonica	4	25	25	Globe	✓	Attractive foliage. Usually trouble-free.
	Pyramid European Hornbeam	Carpinus betulus 'Fastigiata'	4	40	25	Oval	X	Dark green foliage. Yellow in fall.
	Juniper	l tombo amas a said at 15	4	20	50	Clai	,	
	Western Juniper	Juniperus occidentalis	4	30	50	Globe	✓	













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Lilac							
Ivory Silk Tree Lilac	Syringa reticulata 'Ivory Silk'	3	20	15	Oval	✓	Upright spreading in habit. Single-stem form. Green foliage. White lower.
Summer Charm Tree Lilac	Syringa Syringa reticulata subsp. pekinensis 'Summer Charm	4	20	20	Globe	/	Glossy foliage. Yellow fall color. Sprays of creamy white flowers.
Beijing Gold Tree Lilac	Syringa reticulata subsp. pekinensis 'Zhang Zhiming'	6	20	20	Vase	/	Upright spreading crown. Sprays of yellow flowers in June.
Linden							
Summer Sprite Linden	Tilia cordata 'Halka'	3	20	15	Globe	✓	Dense, compact crown. Sheared appearance. Yellow fall color.
Chancellor™ Linden	Tilia cordata 'Chancole'	4	35	20	Pyramid	×	Dark green foliage. Yellow fall color.
Corinthian Linden	Tilia cordata 'Corzam'	4	45	15	Column	×	Narrowest of the Linden cultivars.
Redmond Bigleaf Linden	Tilia americana x euchlora 'Redmond'	4	35	25	Pyramid	×	Light green foliage. Yellowish fall color.
American Linden	Tilia americana	6	60	30	Globe	X	Tolerant of urban stresses.
Continental Appeal Linden	Tilia americana 'Continental Appeal'	6	50	28	Oval	×	
Crimean Linden	Tilia x euchlora	6	40	35	Pyramid	×	Glossy foliage. Yellow in fall.
Glenleven Linden	Tilia cordata 'Glenleven'	6	45	30	Pyramid	×	Vigorous pyramidal. More informal than Greenspire. Medium green foliage. Yellow fall color.
Greenspire™ Linden	Tilia cordata 'Greenspire'	6	40	30	Pyramid	×	Symmetrical. Dark green foliage. Yellow fall color.
Harvest Gold Linden	Tilia cordata mongolica 'Harvest Gold'	6	40	30	Pyramid	X	Attractive bark. Bright golden yellow fall color.
Rancho Linden	Tilia cordata 'Rancho'	6	40	30	Vase	X	Vigorous upright. Small leaves.
Sterling Silver Linden	Tilia tomentosa 'Sterling'	6	45	35	Pyramid	X	Broadly pyramidal, neat and symmetrical. Fast-growing. Green leaves are silver-gray underneath. Yellow fall color.
Magnolia							
Merrill Magnolia	Magnolia x loebneri 'Merrill'	3	25	25	Pyramid	✓	Large fragrant white flowers.
Southern Magnolia	Magnolia grandiflora 'Victoria' or 'Little Gem'	3	25	25	Globe	✓	Large fragrant white flowers.
Butterflies Magnolia	Magnolia acuminata x denudada	4	20	20	Pyramid	 	Showy yellow flowers.
Elizabeth Magnolia	Magnolia acuminata 'Elizabeth'	4	25	15	Pyramid	✓	Yellow flowers.
Galaxy Magnolia	Magnolia liliflora x sprengeri	4	30	15	Pyramid	✓	Deciduous. Strong central leader.
Kobus Magnolia	Magnolia kobus	6	40	30	Globe	×	Green leaves. White flowers.
Sweet Bay Magnolia	Magnolia virginiana	6	25	35	Globe	✓	Medium fast-growing. Good polllution tolerance. Early-spring blossoms are creamy white.
Yulan Magnolia	Magnolia denudata	6	35	30	Pyramid	X	White, fragrant flowers.
Saucer Magnolia	Magnolia x soulangeana	10	25	25	Pyramid	✓	Medium fast-growing. Good pollution tolerance. Early spring blossoms are pink/purple outside, white inside.

















	Common name	Botanical name	Min. planting space width	Mature height	Canopy spread	Form	Compatible with overhead wires?	Remarks
	Maple							
	Butterfly Japanese Maple	Acer palmatum 'Butterfly'	3	12	6	Umbrella	✓	Stiffly upright in habit. Variegated cream & light green foliage with magenta tint in the fall.
	Flame Maple	Acer ginnala 'Flame'	3	20	20	Oval	X	Fall color. Early to leaf out in spring. Fragrant flowers.
	Paperbark Maple	Acer griseum	3	25	20	Globe	✓	Spreading, rounded crown. Red fall color. Year-round interest.
	Amur Maple	Acer ginnala	4	20	20	Globe	×	Green foliage. Yellow, orange, or red in fall.
	Apollo™ Maple	Acer saccharum 'Barrett Cole'	4	25	10	Column	✓	Dense brancing & compact form ideal for limited spaces. Withstands heat well.
	Armstrong Maple	Acer rubrum 'Armstrong'	4	45	15	Column	×	Light green foliage. Yellow to orange red fall color. Good street tree.
	Armstrong Gold Maple	Acer rubrum 'JFS-KW78'	4	40	12	Column	X	Green foliage. Gold fall color.
	Bowhall Maple	Acer rubrum 'Bowhall'	4	40	15	Column	X	Upright very narrow. Green foliage and orange to orange-red fall color.
	Crimson Sunset Maple	Acer truncatum x A. platanoides	4	35	25	Oval	X	Purple foliage. Upright.
	David's Maple	Acer davidii	4	25	25	Globe	X	Fall color. Attractive striped bark.
	Henry Maple	Acer henryi	4	25	25	Globe	X	Trifoliate. Green wiht a bronze tint in spring. Red in fall.
	Metro Gold™ Maple	Acer campestre 'Panacek'	4	35	20	Oval	X	Dark green foliage. Yellow fall color.
	Queen Elizabeth™ Maple	Acer campestre 'Evelyn'	4	35	30	Oval	X	Dark green foliage. Yellow fall color.
	Rocky Mountain™ Glow Maple	Acer grandidentatum	4	25	15	Oval	✓	Dark green foliage. Orange-yellow fall color.
	Roughbark Maple	Acer triflorum	4	20	20	Globe	✓	Fall color. Textured bark.
	Scanlon Red Maple	Acer rubrum 'Scanlon'	4	40	15	Column	X	Orange-red fall color.
	Tatarian Maple	Acer tataricum	4	25	15	Oval	✓	Tolerant of urban stresses. Fall color. Compact crown.
	Autumn Blaze Maple	Acer x freemanii 'Jeffersred'	6	50	30	Oval	X	Established trees have some tolerance for drought conditions. Good fall color.
	Autumn Flame Red Maple	Acer rubrum 'Autumn Flame'	6	50	40	Oval	X	Fall color.
	Brandywine Maple	Acer rubrum 'Brandywine'	6	40	35	Oval	X	Cross of October Glory™& Autumn Flame. Deep red fall color 10 days later than most maples.
	Commemoration Maple	Acer saccharum 'Commemoration'	6	50	35	Oval	X	Fast growing. Develops good caliper as a young tree.
	Embers Red Maple	Acer rubrum 'Embers'	6	40	35	Globe	X	Green foliage. Bright red fall color.
	Green Mountain™ Maple	Acer saccharum 'Green Mountain'	6	45	35	Oval	X	Dark green foliage. Red fall color.
	Keithsform Sunset Maple	Acer truncatum x A. platanoides 'Keithsform'	6	35	25	Oval	X	Nice branch structure. Oval with dark green foliage. Yellow-orange to red fall color.
• •	Legacy Maple	Acer saccharum 'Legacy'	6	50	35	Oval	×	Glossy leaves. Orange-red in fall.
	Morgan Maple	Acer rubrum 'Morgan'	6	45	40	Oval	×	Medium green foliage. Orange-red to red fall color.
	New World Maple	Acer rubrum 'New World'	6	40	20	Column	×	Flaring shape allows traffic below. Bright orange fall color.













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	Nauthura ad Marala	A any wall was a All a with a second of		40	25	Oval	×	Madicus to dayle super fallows Daddish fall aslay
	Northwood Maple	Acer rubrum 'Northwood'	6	40	35	Oval	x	Medium to dark green foliage. Reddish fall color.
	Norwegian Sunset Maple	Acertruncatum x A. platanoides 'Norweigan Sunset'	6	35	25	Oval	1	Uniform canopy. Orange/red in fall.
	October Glory Red Maple	Acer rubrum 'PNI 0268'	6	45	45	Globe	X	Medium green foliage. Red-purple fall color.
	Pacific Sunset Maple	Acertruncatumx A. platanoides Warrenred'	6	30	25	Globe	X,	Dark green foliage. Yellow, orange, & red in fall.
	Red Sunset Maple	Acer rubrum 'Franksred'	6	45	35	Oval		Dark green glossy foliage. Brillient red fall color. Developed in Gresham.
	Red Sunset Red Maple	Acer rubrum 'Red Sunset'	6	45	30	Column	X	Provides good drainage in clay soil. Attractive bark. Red or orange fall color.
	Redpointe Maple	Acer rubrum 'Redpointe'	6	45	30	Pyramid	X	Strong central leader. Urban tolerant. Bright red in fall.
• •	Scarlet Sentinel™ Maple	Acer rubrum 'Scarsen'	6	40	20	Column	X	Upright & narrow. Good for streets and parking lots. Dark green foliage. Yellow-orange/orange-red fall color.
	Schlesinger Maple	Acer rubrum 'Schlesingeri'	6	45	35	Vase	X	Medium green foliage. Orange/orange-red fall color.
	State Street™ Maple	Acer miyabei 'Morton'	6	45	30	Oval	X	Dark green foliage. Yellow fall color.
• • •	Sun Valley Maple	Aer rubrum 'Sun Valley'	6	40	35	Oval	X	Hybrid Red Sunset & Autumn Flame. Oval, symmetrical, densely- branched, seedless. Reliably bright red fall color.
	Sycamore Maple	Acer pseudoplatanus	6	50	40	Oval	X	Green foliage. Yellow fall color.
	Wineleaf Sycamore Maple	Acer pseudoplatanus 'Spaethii'	6	40	30	Pyramid	X	Dark green foliage.
	Bonfire Maple	Acer saccharum 'Bonfire'	8	50	40	Globe	X	Fast growing. Orange-red in fall.
	Red Maple	Acer rubrum	8	50	45	Globe	×	Leaves are medium to dark green. Orange or red in fall.
	Trident Maple	Acer buergeranum	8	25	20	Oval	X	Dark green foliage. Yellow and orange in fall.
	Bigleaf Maple	Acer macropyllum	10	70	60	Globe	✓	Broad-topped, dense shade tree. Large leaves (6-15" wide). Yellow fall color.
• • •	Sugar Maple	Acer saccharum	10	100	50	Oval	X	Does not perform well in compacted or restricted areas. Great fall colors.
	Mulberry							
	Fruitless Mulberry	Morus alba	6	35	40	Globe	×	Fruitless.
	Oak							
	Columnar English Oak	Quercus robur 'Fastigiata'	4	45	15	Column	X	Tolerates pollution & restricted root space. Dense, medium texture. Dark green foliage, bronze in fall. 1 inch acorns.
	Crimson Spire Oak	Quercus alba x Q. robur 'Crimschmidt'	4	45	15	Column	X	Narrow crown. Rusty red fall color.
	Forest Green™ Oak	Quercus frainetto 'Schmidt'	4	50	30	Column	X	Glossy deep green foliage.
	Regal Prince Oak	Quercus robur x bicolor 'Long'	6	45	18	Column	×	
	Sawtooth Oak	Quercus acutissima	6	40	40	Umbrella	×	Bronze fall color or no change.
	Scarlet Oak	Quercus coccinea	6	50	40	Oval	×	Oval, open in habit. Bright green foliage. Scarlet red fall color.
• •	Shumard Oak	Quercus shumardii	6	50	40	Oval	×	Thrives in areas with poor drainage. Attracts wildlife.













Red Oak Ouercus rubra Shingle Oak Ouercus imbricaria Sliver Leaf Oak Ouercus imbricaria Sliver Leaf Oak Ouercus hypoleucoides Sliver Leaf Oak Ouercus hypoleucoides Sliver Leaf Oak Ouercus phellos Sliver Joliage. Tolerant of urban stresses. Slow to moderate growth. Branches often twisted. Summer irrigation often not benefic Leaves hang on the tree in fall. Pear Chanticleer Pear Oracleevland Select Pear Aprus calleryana 'Gleveland Select' Slove Deprandi Slove Mitte flowers. Purple-red foliage in fall. Alavelin Pear Aprus calleryana 'Jackzam' Abundant white flowers. Bronze-green leaves in summer. Abundant white flowers early spring. Aristocrat Pear Aprus calleryana 'Aristocrat' Anistocrat Pear Aprus calleryana 'Aristocrat' A		Common name	Botanical name	Min. planting space width	Mature height	Canopy spread	Form	Compatible with overhead wires?	Remarks
Bur Oak Durcus macrocarpa By Cak Durcus macrocarpa By Sol 40 Beglish Oak Durcus robur By Globe Beautful fall color. Floridation of Globe Beautful f		Skymaster™ Oak	Quercus robur 'Skymaster'	6	50	25	Oval	×	Dark green foliage. Yellow fall color.
English Oak Ouercus robur Red Oak Ouercus robura Red Oak Ouercus physiciane Red Oak Oak Ouercus physiciane Red Oak		Swamp White Oak	Quercus bicolor	6	60	25	Globe	×	Upper and lower leaf surfaces contrast in color. Attracts wildlife.
English Oak Ouercus robur Red Oak Ouercus robra Red Oak Ouercus phelics Re	•	Bur Oak	Quercus macrocarpa	8	65	50	Oval	×	Upright crown becomes round and spreading with maturity. Attracts wildlife.
Red Oak Ouercus rubra Shingle Oak Ouercus inbritacia Silver Leaf Oak Ouercus phellos Silver Ouercus polustris Silver Oak Ouercus polustris Ouercus polustris Silver Oak Ouercus polustris Silver Oak Ouercus polustris Ouercus polustris Ouercus polustris Silver Oak Ouercus polustris Ou	•	English Oak	Quercus robur	8	50	40	Globe		Sturdy & adaptable tree with broad, rounded habit. Deep green foliage. Yellow-brown fall color.
Silver Leaf Oak Willow Oak Oregon White Oak Oregon White Oak Oregon White Oak Ouercus parlustris 10 65 45 Globe Willow Oak Oregon White Oak Ouercus parlustris 10 65 45 Globe X Silvery foliage. Tolerant of urban stresses. Slow to moderate growth. Branches often twisted. Summer irrigation often not benefit Leaves hang on the tree in fall. Pear Chantcleer Pear Chantcleer Pear Aprus calleryana 'Glens Form' Javelin Pear Pyrus valleryana 'Glens Form' Javelin Pear Pyrus valleryana 'Glens Form' Redspire Pear Pyrus calleryana 'Glens Form' Redspire Pear Pyrus calleryana Redspire' Aristocrat Pear Pyrus calleryana Redspire' Aristocrat Pear Pyrus calleryana 'Rancho' 6 40 28 Pyramid X Somre-eisstant and informal appearance Narrow, dark, glossy green leaves. White flowers. Autumn Blaze Pear Pyrus calleryana 'Autumn Blaze' Autumn Blaze Pear Pyrus calleryana Autumn Blaze' Socitch Pine Limber Pine Pinus filesiis Vanderwolfs Pyramid' Amod Sentinel Austrian Pine Eastern White Pine Pinus sinjoya Pinus sinjoya Pinus sinjoya Pinus sinjoya 10 80 20 Pyramid X Solomereisstant and informal appearance. Narrow, dark, glossy green leaves. White flowers. Solower. Evergreen conifers. Striking orange bark. Pyramid M X Solower. Solower. Evergreen conifers. Striking orange bark. Perser pinus strobus 10 80 20 Pyramid X Solower. Evergreen conifers. Striking orange bark. Paramyor form. Plant in groups to create a hedge. Irrigular shape.	•	Red Oak	Quercus rubra	8	60	45	Oval		Beautiful fall color.
Willow Oak Oregon White Oak Oregon White Oak Ouercus garryana 10 65 45 Globe Pin Oak Ouercus palustris 10 65 45 Globe X Clarent of urban stresses. Slow to moderate growth. Branches often twisted. Summer irrigation often not benefit X Cleveland Select Pear Chanticleer Pear Chanticleer Pear Cleveland Select Pear Javelin Pear Pyrus calleryana 'Gleveland Select' Javelin Pear Pyrus calleryana 'Gleveland Select' Javelin Pear Pyrus calleryana 'Bedspire' 4 40 15 Pyramid X Red foliage. White flowers. Purple-red foliage in fall. Red foliage. White flowers. Bronze-green leaves in summer. Abundant white flowers early spring. Pyrus calleryana 'Aristocrat' Rancho Pear Pyrus calleryana 'Aristocrat' Rancho Pear Pyrus calleryana 'Anacho' Trinity Pear Pyrus calleryana 'Anacho' Auturnn Blaze Pear Pyrus calleryana 'Auturnn Blaze' Auturnn Blaze Pear Pyrus calleryana 'Auturnn Blaze' Rancho Pear Pyrus calleryana 'Auturnn Blaze' Ra	•	Shingle Oak	Quercus imbricaria	8	50	40	Oval	×	Transplants readily. Beautiful summer foliage.
Oregon White Oak Pin Oak Ouercus garyana Oregon White Oak Pin Oak Ouercus palustris Pear Chanticleer Pear Chanticleer Pear Javelin Pear Javelin Pear Aristocrat Pear Pyrus Calleryana (Selex Para Pyrus Calleryana (Selex		Silver Leaf Oak	Quercus hypoleucoides	8	60	35	Globe	×	Silvery foliage.
Pin Oak Pear Chanticleer Pear Cleveland Select Pear Javelin Pear Javelin Pear Jack Pear Aristocrat Pear Pyrus calleryana 'Airstocrat' Rancho Pear Pyrus calleryana 'Airstocrat' Pyrus calleryana 'Airstocrat' Rancho Pear Pyrus calleryana 'Airstocrat' Rancho Pear Pyrus calleryana 'Airstocrat' Autumn Blaze Pear Limber Pine Pinus sribes' 'Andd Sentinel' Austrian Pine Andd Sentinel Austrian Pine Austrian Pine Pinus sribus Fastigiate White Pine Pinus sribus Fastigiate' Pinus sribus Fastigiate' Pinus trobus Fastigiate' P	•	Willow Oak	Quercus phellos	8	60	45	Pyramid	×	Tolerant of urban stresses.
Pear Chanticleer Pear Pyrus calleryana 'Glens Form' 3 3 30 20 Pyramid Cleveland Select Pear Javelin Pear Pyrus calleryana 'Glens Form' 3 3 30 20 Pyramid Javelin Pear Pyrus 'NCPX' 3 3 35 10 Column Javelin Pear Pyrus calleryana 'Jackzam' 4 40 15 Pyramid X Abundant white flowers. Bronze-green leaves in summer. Jack Pear Pyrus calleryana 'Jackzam' 4 40 15 Pyramid X Abundant white flowers early spring. Redspire Pear Pyrus calleryana 'Aristocrat' 6 40 28 Pyramid X Storm-resistant and informal appearance. Narrow, dark, glossy green leaves. White flowers. Rancho Pear Pyrus calleryana 'Aristocrat' 6 35 30 Column X Storm-resistant and informal appearance. Narrow, dark, glossy green leaves. White flowers. Trinity Pear Pyrus calleryana 'Trinity' 6 30 25 Oval Schot Pine Pyrus calleryana 'Autumn Blaze' 8 30 25 Globe ✓ Rounded shape with spreading branches, Foliage emerges with red tint, mature to glossy green. White flowers. Purple-red fall color. Pine Limber Pine Pinus splvestris 8 50 40 Pyramid X Evergreen conifer. Striking orange bark. Pinus splvestris 8 50 40 Pyramid X Evergreen conifer. Striking orange bark. Pinus nigra 'Arnold Sentinel' 10 30 10 Column ✓ Dense foliage. White flowers. Purple-red fall color. Pinus nigra 'Northic Pinus splvestris Pinus strobus 10 80 20 Pyramid X Dark green needles. Pinus strobus 10 80 20 Pyramid X Dark green needles. Pinus strobus 10 80 20 Pyramid X Narrow form. Plant in groups to create a hedge. Irregular shape.		Oregon White Oak	Quercus garryana	10	65	45	Globe	×	Slow to moderate growth. Branches often twisted. Summer irrigation often not beneficial.
Chanticleer Pear Pyrus calleryana (Glens Form' Jawalin Pear Pyrus calleryana (Cleveland Select' Jawalin Pear Pyrus (Cleveland Jawalin Pear Pyrus (Cleveland Select' Jawalin Pear Pyrus (Cleveland Select' Jawalin Pear Pyrus (Cleveland Aristocrat' Glossy (Cleveland Aristocrat' Autumn Blaze' Pyrus (Cleveland Trinity' Glossy (Cleveland Trinity Glossy (Cleveland Trinity' Glossy		Pin Oak	Quercus palustris	10	65	30	Globe	X	Leaves hang on the tree in fall.
Chanticleer Pear Pyrus calleryana 'Glens Form' Cleveland Select Pear Javelin Pear Pyrus calleryana 'Cleveland Select' Javelin Pear Pyrus Calleryana 'Gleveland Select' Javelin Pear Pyrus Calleryana 'Jackzam' Jack Pear Pyrus calleryana 'Jackzam' Redspire' A 4 40 15 Pyramid X Abundant white flowers early spring. Redspire Pear Pyrus calleryana 'Jackzam' Pyrus calleryana 'Redspire' Aristocrat Pear Pyrus calleryana 'Aristocrat' Aristocrat		Dogu							
Cleveland Select Pear Javelin Pear Javelin Pear Pyrus (NCPXI') Redspire Pear Pyrus calleryana 'Icaceand' Select' Redspire Pear Pyrus calleryana 'Icaceand' Attained Pear Pyrus calleryana 'Icaceand' Redspire Pear Pyrus calleryana 'Aristocrat' Rancho Pear Pyrus calleryana 'Rancho' Autumn Blaze Pear Pyrus calleryana 'Autumn Blaze' Pyrus calleryana 'Autumn Blaze' Autumn Blaze Pear Pyrus calleryana 'Autumn Blaze' Pyrus calleryana 'Autumn Blaze' Autumn Blaze Pear Pyrus calleryana 'Autumn Blaze' Pyrus calleryana 'Autumn Blaze' Autumn Blaze Pear Pyrus calleryana 'Autumn Blaze' Pyrus calleryana 'Autumn Blaze' Autumn Blaze Pear Pyrus calleryana 'Autumn Blaze' Pyrus calleryana 'A			Purus callaryana 'Glans Form'	2	30	20	Dyramid		
Javelin Pear Pyrus NCPXi' 3 3 35 10 Column			,				l	',	Glossy groon foliago White flowers Durple-red foliago in fall
■ Jack Pear Pyrus calleryana 'Jackzam' 4 40 15 Pyramid X Abundant white flowers early spring. ■ Redspire Pear Pyrus calleryana 'Redspire' 4 35 25 Pyramid X			· · ·				^	l '.	
Redspire Pear Pyrus calleryana 'Redspire' Aristocrat Pear Rancho Pear Rancho Pear Pyrus calleryana 'Aristocrat' Rancho Pear Pyrus calleryana 'Rancho' Trinity Pear Pyrus calleryana 'Trinity' Autumn Blaze Pear Pine Limber Pine Pinus flexilis Vanderwolf's Pyramid Arold Sentinel Austrian Pine Arold Sentinel Austrian Pine Austrian Pine Austrian Pine Eastern White Pine Fastigiate White Pine Fastigiate White Pine Japanese Black Pine Pyrus calleryana 'Ratistocrat' Autumn glaze' Pyramid X Storm-resistant and informal appearance. Narrow, dark, glossy green leaves. White flowers. Storm-resistant and informal appearance. Narrow, dark, glossy green leaves. White flowers. Narrow upright. White flowers. Story was narrow upright. White flowers. Rounded shape with spreading branches, Foliage emerges with red tint, maturity of glossy green. White flowers. Purple-red fall color. Slow grower. Evergreen conifer. Striking orange bark. Dense foliage. Narrow crown. Slow-growing. Dark green needles. Fast grower. Fast grower. Pyramid X Pyramid X Dark green needles. Fast grower. Pyramid X Narrow form. Plant in groups to create a hedge. Irregular shape.			'						
Aristocrat Pear Rancho Pear Rancho Pear Rancho Pear Pyrus calleryana 'Aristocrat' 6 40 28 Pyramid X Storm-resistant and informal appearance. Narrow, dark, glossy green leaves. White flowers. Trinity Pear Pyrus calleryana 'Trinity' 6 30 25 Oval Stumm Blaze Pear Pyrus calleryana 'Autumn Blaze' 8 30 25 Globe Stumm Blaze Pear Pyrus calleryana 'Autumn Blaze' 8 30 25 Globe Stumm Blaze Pear Pyrus calleryana 'Autumn Blaze' 8 30 25 Globe Stumm Blaze Pear Pyrus calleryana 'Autumn Blaze' 8 30 25 Globe Stumm Blaze Pear Pinus flexilis 'Vanderwolf's Pyramid' 8 25 15 Pyramid Scotch Pine Pinus sylvestris 8 50 40 Pyramid X Evergreen conifer. Striking orange bark. Arnold Sentinel Austrian Pine Pinus nigra 'Arnold Sentinel' 10 30 10 Column Stratina Pine Pinus nigra 'Arnold Sentinel' 10 80 20 Pyramid X Dark green needles. Eastern White Pine Pinus strobus 10 80 20 Pyramid X Pyramid X Pyramid X Paramid X Pyramid X Pyramid X Pyramid X Pyramid X Pinus strobus Fastigiata' 10 40 10 Pyramid X Pyramid X Pyramid X Pyramid X Pinus flore Pinus strobus Fastigiata' 10 40 10 Pyramid X Pyramid X Pyramid X Pyramid X Pinus flore Pinus strobus Fastigiata' 10 40 10 Pyramid X Pyramid X Pyramid X Pinus flore Pinus strobus Fastigiata' 10 40 10 Pyramid X Pyramid X Pyramid X Pinus flore Pinus strobus Fastigiata' 10 40 10 Pyramid X Pyra			 	'			l _		, , ,
Rancho Pear Pyrus calleryana 'Rancho' 6 35 30 Column Trinity Pear Pyrus calleryana 'Trinity' 6 30 25 Oval Sultann Blaze Pear Pyrus calleryana 'Autumn Blaze' 8 30 25 Globe Sultann Blaze Pear Pyrus calleryana 'Autumn Blaze' 8 30 25 Globe Sultann Blaze' Rounded shape with spreading branches, Foliage emerges with red tint, mature to glossy green. White flowers. Purple-red fall color. Pine Limber Pine Pinus flexilis 'Vanderwolf's Pyramid' 8 25 15 Pyramid Scotch Pine Pinus sylvestris 8 50 40 Pyramid X Evergreen conifer. Striking orange bark. Arnold Sentinel Austrian Pine Pinus nigra 'Arnold Sentinel' 10 30 10 Column Sultann Pine Pinus nigra 'Arnold Sentinel' 10 80 20 Pyramid X Dark green needles. Eastern White Pine Pinus strobus 10 80 20 Pyramid X Fast grower. Fast grower. Paramid X Dark green needles. Fast grower. Fast grower. Paramid X Dark green needles. Fast grower. Paramid X Pyramid X Pyramid X Pyramid X Pyramid X Pyramid X Paramid X Pyramid X Paramid X Pyramid X Pyramid X Paramid X Pyramid X Pyramid X Paramid X Pyramid X Paramid Pinus strobus 'Fast grower. Japanese Black Pine Pinus thunbergiana 10 30 20 Pyramid X Irregular shape.		neuspire i ear	i yrus cuneryunu neuspire			23	1 yrainiu		Abundant white flowers.
Trinity Pear Pyrus calleryana 'Trinity' 6 30 25 Oval Sutumn Blaze Pear Pyrus calleryana 'Autumn Blaze' 8 30 25 Globe Sutumn Blaze Pear Pyrus calleryana 'Autumn Blaze' 8 30 25 Globe Sutumn Blaze Pear Pyrus calleryana 'Autumn Blaze' 8 30 25 Globe Sutumn Blaze' Sutumn Blaze' Sutumn Blaze' 8 30 25 Globe Sutumn Blaze' Sutumn Bl		Aristocrat Pear	l ' '	6	40	28	Pyramid	X	Storm-resistant and informal appearance. Narrow, dark, glossy green leaves. White flowers.
Autumn Blaze Pear Pine Limber Pine Dinus flexilis 'Vanderwolf's Pyramid' Amold Sentinel Austrian Pine Austrian Pine Austrian Pine Pinus nigra 'Arnold Sentinel' Austrian Pine Eastern White Pine Pinus strobus Fastigiate White Pine Pinus strobus Fastigiate White Pine Pinus strobus Pinus nigra 'Arnold Sentinel' Pinus strobus Fastigiata' Japanese Black Pine Pinus thunbergiana Pinus hunbergiana Pinus hunbe		Rancho Pear	Pyrus calleryana 'Rancho'	6	35	30	Column	×	Narrow upright. White flowers.
Pine Limber Pine Pinus flexilis Vanderwolf's Pyramid' Scotch Pine Amold Sentinel Austrian Pine Austrian Pine Pinus nigra 'Arnold Sentinel' Austrian Pine Pinus strobus Pinus strobus Fastigiate White Pine Japanese Black Pine Pinus thunbergiana Pinus Hinus flexilis Vanderwolf's Pyramid' 8 25 15 Pyramid ✓ Pinus strobus Fastigiata' Pinus strobus 'Fastigiata' Pinus strobus 'Fastigiata' Pinus thunbergiana Pyramid ✓ Pyramid ✓ Pyramid ✓ Pyramid ✓ Pyramid ✓ Pyramid ✓ Pinus thunbergiana		Trinity Pear	Pyrus calleryana 'Trinity'	6	30	25	Oval	✓	
Limber Pine Pinus flexilis Vanderwolf's Pyramid' Scotch Pine Pinus sylvestris Amold Sentinel Austrian Pine Austrian Pine Pinus nigra 10 55 40 Pyramid X Evergreen conifer. Striking orange bark. Dense foliage. Narrow crown. Slow-growing. Dark green needles. Eastern White Pine Pinus strobus Fastigiate White Pine Pinus strobus 'Fastigiata' Japanese Black Pine Pinus thunbergiana 25 15 Pyramid X Column V Dense foliage. Narrow crown. Slow-growing. Dark green needles. Fast grower. Narrow form. Plant in groups to create a hedge. Irregular shape.		Autumn Blaze Pear	Pyrus calleryana 'Autumn Blaze'	8	30	25	Globe	✓	Rounded shape with spreading branches. Foliage emerges with red tint, matures to glossy green. White flowers. Purple-red fall color.
Limber Pine Pinus flexilis Vanderwolf's Pyramid' Scotch Pine Pinus sylvestris Amold Sentinel Austrian Pine Austrian Pine Pinus nigra 10 55 40 Pyramid X Evergreen conifer. Striking orange bark. Dense foliage. Narrow crown. Slow-growing. Dark green needles. Eastern White Pine Pinus strobus Fastigiate White Pine Pinus strobus 'Fastigiata' Japanese Black Pine Pinus thunbergiana 25 15 Pyramid X Column V Dense foliage. Narrow crown. Slow-growing. Dark green needles. Fast grower. Narrow form. Plant in groups to create a hedge. Irregular shape.									
Scotch Pine Arnold Sentinel Austrian Pine Austrian Pine Austrian Pine Eastern White Pine Fastigiate White Pine Japanese Black Pine Pinus sylvestris 8 50 40 Pyramid X Column Column X Dense foliage. Narrow crown. Slow-growing. X Dark green needles. Fast grower. Narrow form. Plant in groups to create a hedge. Irregular shape.			Di 4 ili. A /		25	15	D	,	
Amold Sentinel Austrian Pine Austrian Pine Pinus nigra 'Arnold Sentinel' 10 30 10 Column X Dense foliage. Narrow crown. Slow-growing. Dark green needles. Fast grower. Fast grower. Narrow form. Plant in groups to create a hedge. Irregular shape.			'				^		
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Eastern White Pine Fastigiate White Pine Japanese Black Pine Pinus strobus 10 80 20 Pyramid Pyramid X Fast grower. Pyramid X Narrow form. Plant in groups to create a hedge. Pregular shape.								1 *	
Fastigiate White Pine Japanese Black Pine Pinus strobus 'Fastigiata' 10 40 10 Pyramid X Narrow form. Plant in groups to create a hedge. Irregular shape.									
Japanese Black Pine Pinus thunbergiana 10 30 20 Pyramid V Irregular shape.							l		
		-	_	'		'		,	
Spreading flature, often with multiple trunks. Attractive bark.		•	ľ				^		
		Lacebark Pine	- rinus vungeana	10	30	30	Pyramid	*	preading nature, orten with multiple truffks. Attractive bark.









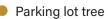






	Common name	Botanical name	Min. planting space width	Mature height	Canopy spread	Form	Compatible with overhead wires?	Remarks
	Lodgepole Pine	Pinus contorta var. latifolia	10	50	25	Pyramid	X	Medium green needles.
	Ponderosa Pine	Pinus ponderosa	10	100	30	Pyramid	X	Large-needled evergreen. Thick, reddish bark that develops dark furrows with age. Needles grow in clusters of 3. Produces a cone 3-6 inches long.
	Shore Pine	Pinus contorta	10	50	25	Pyramid	X	Needles grow in clusters of 3. Produces a cone 3-6 inches long.
	Western White Pine		10	85	50		X	Drought talarant
	Zebrina Himalayan Pine	Pinus monticola Pinus wallinchiana 'Zebrina'	10	30	20	Pyramid Oval	^	Drought-tolerant. Dwarf pine. Slow-growing.
	Zebilila Hillialayali Fille	Finas wallinchiana Zeonna	10	30	20	Ovai	•	Dwarr pine. slow-growing.
	Plane							
	Exclamation™	Platanus x acerifolia 'Morton Circle'	8	50	25	Pyramid	×	Uniform and upright. Green-yellow fall color.
	Bloodgood Planetree	Platanus x acerifolia 'Bloodgood'	8	50	40	Pyramid	×	Broadly pyramidal. Shedding bark produces mottled brown & cream pattern. Variety is more resistant to anthracnose.
								variety is more resistant to anthrachose.
	Plum							
	Cherry Plum	Prunus cerasifera	4	20	20	Globe	/	Low-branching. Broadly pyramidal/rounded tree with unusual form & texture. Excellent fall color. Flowers have showy red stamens.
	AM, C. II I DI		_	20	20	.,		
	Mt. St. Helens Plum	Prunus cerasifera 'Frankthrees'	6	20	20	Vase		Dense crown. Purple foliage emerges early. Light pink flowers.
	Newport Plum	Prunus cerasifera 'Newport'	6	20	20	Globe		Globe-shaped habit. Dark purple leaves change to red in fall. Light pink flower, dull purple fruit.
	Thundercloud Plum	Prunus cerasifera 'Thundercloud'	6	20	20	Globe	~	Retains deep purple leaf color through the growing season. Pink flowers.
	Sequoia							
	Coast Redwood	Sequoia sempervirens	10	100	60	Pyramid	×	Generally considered world's tallest tree. Soft, small evergreen needles. Small cones. Red bark.
	Giant Sequoia	Sequoiadendron giganteum	10	100	40	Pyramid	×	Long-lived. Largest living organism on earth.
	Serviceberry							
	Western Serviceberry	Amelanchier alnifolia	3	20	20	Oval	✓	
	Autumn Brilliance Serviceberry	Amelanchier x grandiflora 'Autumn Brilliance'	4	20	15	Oval	✓	Upright, moderately spreading habit. Bright red fall color, white flower clusters in spring. Single-stem form for street tree.
	Princess Diana Serviceberry	Amelanchier x grandiflora 'Princess Diana'	4	25	15	Globe	✓	White flowers, edible fruit. Strong central leader. Single-stem form for street trees.
	Serviceberry	Amelanchier x grandiflora	4	25	15	Oval	✓	White flowers, edible fruit. Single-stem form for street tree.
	Snowcloud Serviceberry	Amelanchier laevis 'Snowcloud'	4	25	15	Oval	✓	Tree form only in planting strip. Dark green leaves, scarlet in fall. White flower clusters, blue-purple fruit. Single-stem form for street tree.
	Spring Flurry Serviceberry	Amelanchier laevis 'Spring Flurry'	4	35	20	Oval	X	Single-stem form for street trees. Strong central leader. White flowers, edible fruit.
	, 5 , , ,						_ ^	
	Smoketree							
	American Smoketree	Cotinus obovatus	3	30	30	Globe	✓	Tolerant of hot & dry sites. Attractive fall color. Purple flower clusters.
	Grace Smoketree	Cotinus coggygria x obovatus 'Grace'	3	20	15	Globe	✓	Outstanding summer & fall color.























Zelkova City Sprite Zelkova Musashino Zelkova Zelkova serrata 'City Sprite' Musashino Zelkova Zelkova serrata 'Musashino' Wireless™ Zelkova Zelkova serrata 'Green Vase' Masashino Zelkova Zelkova serrata 'Green Vase' Wireless™ Zelkova Zelkova serrata 'Green Vase' And Dense, compact crown. Low-maintenance. Very narrow upright vase shape. Green foliage. Ideal for narrow street use with good clearance under canopy. Broadly spreading vase. Medium green foliage. Red fall color. Vase shape with upright arching branches. Green foliage. Orange fall color. Vase shape with upright arching branches. Green foliage. Orange fall color. Vase shape with upright vase-shaped. Long arching branches. Green foliage. Yellow fall color. Village Green Zelkova Zelkova serrata 'Village Green' And Vase X Vase Sk Va			Common name	Botanical name	Min. planting space width	Mature height	Canopy spread	Form	Compatible with overhead wires?	Remarks
Fragrant Snowbell Tree Japanese Snowbell Japanese Snowbell Japanese Snowbell Japanese Snowbell Japanese Snowbell Japanese Snowbell Styrax japanicus Japanese Snowbell Japanese			6 1 11							
Japanese Snowbell Syruz pondius Spruce Colorado Blue Spruce Engelmann Spruce Rica angelmannii In In In In In In In In In				Chaman al anain	_	25	25	Claba.		
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Colorado Blue Spruce Engelmann Spruce Ficea engelmannii 10 10 100 30 Pyramid X Sitka Spruce Picea sitchensis 10 10 100 30 Pyramid X Needs ample water. Stewartia Japanese Stewartia Tulip Tuliptee Linicdendron tulipifera Fratigatar Emerald City Tulip Tree Dawid Odom Aflerbume Tupelo Dawid Odom Aflerbume Tupelo Dawid Odom Aflerbume Tupelo Tupelo Nyssa sylvatica Ayssa sylvatica City Sprite Zelkova City Sprite Zelkova Zelkova serrata "Kilos Servaria Selkova serrata "Kilos Sprite" Zelkova City Sprite Zelkova Zelkova serrata "Kilos Servaria Selkova serrata "Kilos Sprite" Zelkova Servaria Selkova Zelkova serrata "Kilos Sprite" Zelkova Servaria "Ki			Spruce							
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	Common name	Botanical name	Min. planting space width	Mature height	Canopy spread	Form	Compatible with overhead wires?	Remarks
	Miscellaneous							
	Chinese Pistache	Pistachia chinensis	3	25	25	Globe	✓	Attracts wildlife. Impressive red-orange fall color.
	Wedding Bells Silverbell	Halesia carolina 'Wedding Bells'	3	20	15	Oval	✓	White bell-shaped flowers. Yellow fall foliage.
	American Yellowwood	Cladrastic kentuckia	4	35	35	Globe	X	Yellow to green foliage. Orange-yellow fall color. Fragrant white, pendulous flower clusters.
	Amur Maackia	Maackia amurensis	4	25	20	Vase	✓	Showy flowers. Gold fall color.
	Cascara	Rhamnus purshiana	4	35	25	Globe	X	
	Chinese Fringetree	Chionanthus retusus	4	25	25	Globe	✓	Generally requires little maintenance. Showy flower. Fruit attracts birds.
	Glorybower Tree	Clerodendrum trichotomum	4	20	20	Globe	✓	Dark green leaves. Fragrant white flower clusters. Blue-green fruit.
	Goldenrain Tree	Koelreuteria paniculata	4	35	35	Globe	X	Tolerant of urban stresses.
	Persia Parrotia	Parrotia persica	4	35	20	Pyramid	X	Low-branching, broadly pyramidal/rounded tree with unusual form & texture. Excellent fall color. Flowers have showy red stamens.
	Vanessa Persian Ironwood	Parrotia persica 'Vanessa'	4	30	15	Oval	✓	Slow-growing and long-lived. Beautiful bark and fall color.
	Amur Corktree	Phellodendron amurense	6	40	30	Globe	X	Fragrant leaves & fruit.
	Eastern Redbud	Cercis canadensis	6	25	30	Globe	✓	Very shade-tolerant. May suffer damage in windstorms. Dark green leaves turn yellow in fall. Pink flower.
	Katsura	Cercidiphyllum japonicum	6	40	35	Pyramid	X	Blue-green foliage. Yellow or red in fall.
	Mountain Silverbells	Halesia monticola	6	40	25	Globe	X	White bell-shaped flowers. Yellow fall color.
	Sourwood	Oxydendrum arboreum	6	35	20	Pyramid	X	Dark green leaves turn orange & scarlet in fall. Showy white flowers in summer.
	Catalpa	Catalpa speciosa	8	60	40	Globe	X	Withstands hot, dry environments. Medium to fast growth. Green foliage, yellow in fall. White flowers. Seed capsules can be messy.
	Hardy Rubber Tree	Eucommia ulmoides	8	50	50	Globe	X	Rubber is extracted from the wood.
•	Kentucky Coffeetree	Gymnocladus dioicus	8	70	40	Globe	X	Green foliage.
	September Goldenrain	Koelreuteria paniculata 'September'	8	30	25	Globe	✓	Green leaves. Yellow and orange fall color. Yellow flowers.
	Dawn Redwood	Metasequoia glyptostroboides	10	70	25	Pyramid	X	Deciduous conifer. Looks like a redwood in summer.
	Dove Tree	Davidia involucrata	10	35	30	Globe	×	Dove-like flowers.
	Oregon Myrtle	Umbellularia californica	10	30	40	Oval	✓	
	Western Hemlock	Tsuga heterophylla	10	100	40	Pyramid	X	Prefers full sun to full shade and moist to seasonally-wet soil. Feathery evergreen foliage. Small light-brown cones are produced in great quantities.













PLANTING YOUR TREE

Plan ahead



The best time to plant new trees is in the fall after leaves drop, or in early spring before buds open. These two seasons usually have plenty of rain, which helps keep your tree watered.



Select a healthy specimen with good structure from the nursery and transport it carefully.



Locate underground utilities before digging. Call 1-503-246-6699.

Planting

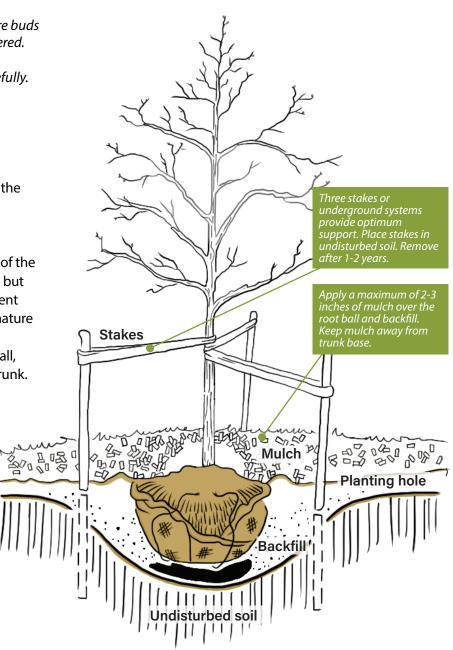
1 Dig a hole that is as deep as the root ball and at least twice as wide. The root collar of the tree must be above the surface of the soil, but the roots should be covered with soil.

2 Place the tree in the hole.

For trees in containers: Gently remove the container before lifting the tree (by the base of the trunk) into the planting hole. If the roots are circling the inside of the container, gently but aggressively break up only the encircling roots to encourage normal growth and prevent tree girdling. Circling or girdling roots can inhibit establishment and may lead to premature tree death.

For trees in burlap: Remove any burlap, wire, twine, or tags. If any roots circle the root ball, slice them with a knife. Place the ball in the planting spot by the root ball, not by the trunk.

- Fill the hole. Gently place the tree in the center of the hole. Hold the tree up straight and back-fill with soil, taking care to not cover the root collar. Gently tamp the soil, but do not compact the soil too much! The tree needs soil with a good combination of air and dirt.
- Mulch, mulch, mulch. Mulching retains moisture for the tree, provides nutrients for the tree, removes competition from other plants, and prevents damage from lawn mowers and weed whackers. A good rule of thumb for applying mulch is the 3-3-3 rule: lay mulch down in a 3-inch thick layer, 3 inches away from the trunk of the tree, and in a 3-foot radius circle around the tree. Pile the mulch up around the edge of the circle to create a berm, directing water towards the tree. Keeping the mulch away from the trunk of the tree prevents trunk decay as well as the formation of surface roots.



TREE CARE 101

Stake the tree to help it grow upright.

Keep the soil moist but not saturated. Do not apply water to the tree trunk. For the first two years, water a minimum of every two weeks. After that, water the minimum amount needed based on temperature and rain conditions.

Minor trimming may be needed for branches that were damaged during planting.

Plan to prune your tree after it is established.

Over time, pruning may be needed to provide overhead clearance or to improve the tree's structure. Pruning should be performed by a qualified tree service. Never top a tree.

Observe changes to the tree as it grows and contact an arborist if something seems unusual.

Enjoy your new tree!

FOR MORE INFORMATION



City of Gresham
GreshamOregon.gov/Trees



Friends of Trees
FriendsofTrees.org



Arbor Day FoundationArborDay.org

To stake a tree correctly, you'll need the following items:

- 2×2-inch wooden stakes about five feet tall (consider using metal stakes if you have larger trees or you're in a windy area)
- A sledgehammer or anything that can drive the stakes into the ground
- A wide, smooth strap for tying around the tree trunk or branches

Determine how many stakes you need depending on the tree's size and location. For a small tree in an area that is not windy, you can use one stake. Larger trees usually need three stakes placed in a triangle shape. Insert the stakes at least 18 inches into the ground and about 1½ feet away from the trunk.

Determine where to tie the stakes. Rock the tree gently back and forth with one hand. Move your hand up or down to find the height at which the tree remains upright when rocked. This height is usually between 1/2 and 2/3 of the way up the stem. Tying your tree at less than half its height may lead to the canopy swaying around in the wind, eventually uprooting the entire tree. Likewise, the tree may end up snapping off in strong winds if you tie it right below the lowest branches.

Use a wide, flexible tie. Whether you're using a rubber tubing, pantyhose, or a cloth strap to tie the stakes to the tree, the material should be broad, flexible, and loosely tied. Rigid materials like wire or nylon cord may eat into the bark, undermining your tree's health.

Leave room for slight movement. Avoid tying the wrap too tightly so the tree can move slightly. You don't want the tree to move so much that it rubs the bark off. Too little movement may also cause slow growth and development. While the slight movement promotes stronger roots, it prevents the tree from snapping off in strong winds.

Check your tree regularly. Monitor your staked tree regularly for signs of girdling, abrasion, rocking, or any other problems.

Remove the stakes at the end of the first growing season. If you stake the tree in the spring, pull the stakes in the fall. When removing the stakes, don't forget to remove the straps around the trunk or branches. Otherwise, the tree may end up growing around the straps, which could impede the efficient flow of water and nutrients. Removing the stakes allows the tree to stand and develop on its own. When done correctly, staking minimizes damage and helps the tree establish itself.

