CITY OF RATHDRUM

TREE and PLANTING GUIDE 2014

~Developing a Site~

Recommended Trees and Shrubbery

January 2014

Design Guide

*The following the charts provide information about many of the trees and plants approved under Rathdrum's landscape code requirements. Also listed are trees **not permitted** for street trees. Specific site, conditions and irrigation needs may require other types of plant or planning strategies, contact a landscaping professional for further advice.*

Street Trees

Small Trees suitable for planting beneath power lines and in four-foot or larger planting strips. Typical spacing 20-30 feet.

Botanical Name	Common Name	Height	Spread	Strip Width	Form	Color	Water	Pros	Cons
Acer Gampestre	Hedge Maple	25-30	25-30	4	R	G	L	S	
Acer Ginnala	Amur Maple	15-20	15-20	4	R	G	L	ES	id
Acer Griseum	Paperbark Maple	20-30		4	O	G	L	S	
Acer Truncatum	Purpleblow Maple	20-25	20-25	4	R	G	L	S	
Amelanchier Grandiflora	Apple Serviceberry	20-25	15-20	4	R	F	L	WS	fi
Cercis Canadensis	Redbud	20-30	20-25	4	R	F	L	ES	id
Cotinus Coggygria	Smoke Tree		15-20	4	I	G	L	SE	
Cornus Kousa	Dousa Dogwood	15-25	15-20	4	V	G	M	WS	I
Cornus Mas -Tree Cultivar	Corneliancherry Dogwood	20-25	15-20	4	O	G	M	WS	
Prunus Cerasifera -Newport	Purpleleaf Plum	15-25	15-20	4	R	F	M	SE	id
Sorbus Aucuparia	European Mountain Ash	20-30	15-20		O	G	M	SW	F
Malus Species	Flowering Crabapple	15-25	15-25	4	M	F	L	WS	ID
Parrotia Persica	Persian Parrotia	20-30	15-25	6	O	G	M	SE	
Oxydendrum Arbureum	Sourwood	25-30	15-25	4	R	G	L	SE	
Syringa Reticulata	Japanese Tree Lilac	20-30	15-25	4	O	I	M	ES	id
Xanthoseras Sorbifolium	Yellowhorn	25-30	15-25	4	C	I	L	WS	d
Crataegus Species	Hawuthorn	20-30	18-20	4	O	G	L	WS	ID
Prunus Birginiana	Common Chokecherry	20-30	18-25	4	O	I	L	WS	fi
Prunus Serrulata	Cherry	20-25	20-25	4	V	F	L	WS	id

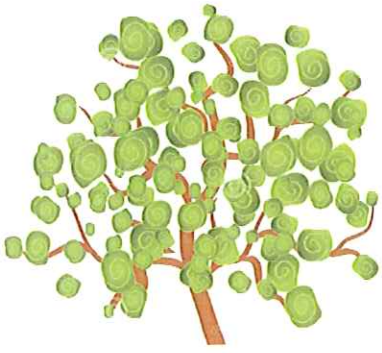
Form: C=Columnar O=Oval V=Vase M=Mixed P=Pyramidal I=irregular R=Rounded
Color: (of fall leaves) G=Good F=Fair I=Insignificant
Water Needs: H=High M=Medium L=Low
Pros: W=Wildlife E=Energy Saver S=Street Tree B=Windbreak
Cons: (lower case if issues are minor) I=insects D=Disease R=Root problem F=Falling debris

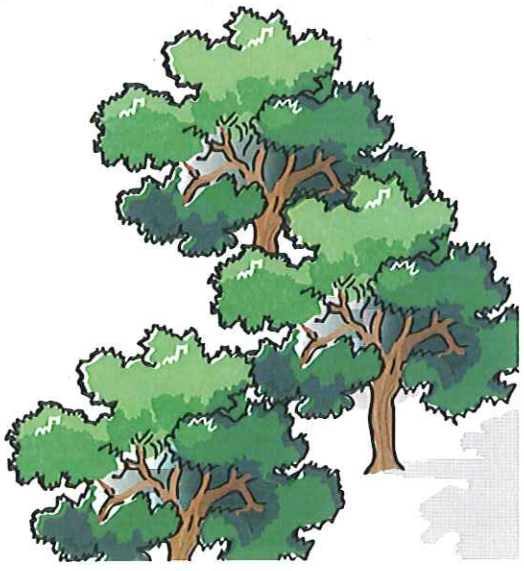
Site Trees

Medium-sized trees between 30 and 60 feet in height, useful for their shade and general landscaping qualities. Typical spacing 20-30 feet, not suitable under power lines or close to buildings.

Botanical Name	Common Name	Height	Spread	Strip Width	Form	Color	Water	Pros	Cons
Acer Platanoides	Norway Maple	40-50	30-40	5 to 6	R	G	M	EW	Ri
Acer Rubrum (many cultivars)	Red Maple	40-50	30-40	5 to 6	O	G	M	ES	Ri
Acer Saccharum Grandidentatum	Rocky Mt Sugar Maple	40-50	20-30	6 to 8	O	G	L	SE	
Aesculus Hippocastanum	Horse Chestnut	40-60	40-50	6 to 8	R	I	M	WS	Fi
Betula Nigra (heritage cultivar)	River Birth	40-60	40-60	5 to 6	R	F	H	WS	id
Carpinus Betulus	Hombeam	40-60	30-40	6 to 8	P	F	L	ES	
Carpinus Betulus (fastigiata)	Columnar Hombeam	20-40	15-25	5 to 6	P	F	L	ES	
Celtis Occidentalis	Common Hackberry	40-60	40-60	6 to 8	V	F	L	WS	d
Cercidiphylium Japonicum	Katsuratree	40-60	20-30	6 to 8	O	G	L*	ES	
Ostrya Virginiana	Ironwood	25-40	25-40	5 to 6	R	I	M	ES	d
Gleditsia Tricanthos	Thronless Honey Locust	30-60	40-50	5 to 6	I	I	M	ES	fd
Koelreuteria Paniculata	Golden Rain Tree	30-40	30-40	5 to 6	R	F	L	ES	
Prunus Sargentil	Sargents Cherry	30-40	20-35	5 to 6	R	G	L	WS	Id
Philiodendron Amurense	Amur Cork Tree	35-45	30-40	5 to 6	V	F	M	WS	d
Corylus Colurna	Turkish Fibert	40-50	15-35	6 to 8	P	G	L*	ES	
Ginkgo Biloba	Ginkgo (maple tree only)	40-60	30-50	6 to 8	P	G	M	ES	
Tilia Americana	American Linden	40-60	30-40	5 to 6	P	I	M	SE	Fi
Tilia Cordata	Littleleaf Linden	40-60	30-40	5 to 6	P	F	L	SE	Fi
Tilia Americana (redmond)	Redmond American Linden	40-60	30-40	5 to 10	P	F	M	SE	F
Quercus Robur (fastifiata)	English Columnar Oak	^ 50	^ 10	5 to 10	C	I	M	SWB	F
Fagus Sylvatica	European Beech	50-60	35-45	6 to 8	P	G	M	WE	
Frazinus Americana	White Ash	50-60	35-45	6 to 8	O	F	M	WS	I
Frazinus Pennsylvanica	Green Ash	50-60	30-40	6 to 8	O	F	L	WS	I

Form: C=Columnar O=Oval V=Vase M=Mixed P=Pyramidal I-Irregular R=Rounded
Color: (of fall leaves) G=Good F=Fair I=Insignificant
Water Needs: H=High M=Medium L=Low
Pros: W=Wildlife E=Energy saver S-Street tree B=Windbreak
Cons: (lower case if issues are minor) I=Insects D=Disease R=Root problems F=Falling debris





Site Trees

Large-sized trees that grow to over 60 feet in height and require a wide area at maturity. Typical spacing 40-60 feet in planting strips of 10 feet or more. Recommended for open areas.

Botanical Name	Common Name	Height	Spread	Strip Width	Form	Color	Water	Pros	Cons
Platanus Occidentalis	American Sycamore	40-80	30-40	10+	I	I	M	S	drF
Platanus Xacerifolia	London Plane Tree	40-80	30-40	10+	I	I	M	E	drF
Quercus Garryana	Oregon Whjte Oak	40-90	30-60	10+	R	I	M	S	
Acer Saccharum	Sugar Maple	50-70	30-60	10+	R	G	M	EW	Ri
Catalpa Speciosa	Western Catalpa	50-70	30-50	10+	I	I	L	ES	Fi
Fagus Grandifolia	American Beech	50-70	40-60	10+	O	G	M	WE	fd
Quercus Bicolor	Swamp White Oak	50-70	50-70	10+	R	I	M	WS	fi
Gymnocladus Dioicus	Kentucky Coffee Tree	50-75	40-50	10+	O	I	L	ES	fi
Sophora Japanica	Pagoda Tree	50-75	50-75	10+	R	F	M	ES	is
Quercus Palustris	Pin Oak	60-70	25-40	10+	P	F	M	ES	id
Quercus Robur	English Oak	60-80	25-40	10+	R	G	M	ES	id
Quercus Macrocarpa	Bur Oak	70-80	70-80	10+	R	I	M	WS	fi
Pinus Ponderosa	Ponderosa Pine	80-100	20-30	10+	C	N/A	L	EBW	
Psuedotsuga Menziesii	Douglas Fir	80-160	20-30	10+	C	N/A		EBW	

Form: C=Columnar O=Oval M=Mixed P=Pyramidal I=Irregular R=Rounded
Color: (of fall leaves) G=Good F=Fair I=Insignificant
Water Needs: H=High M=Medium L=Low
Pros: W=Wildlife E=Energy Saver S=Street Tree B=Windbreak
Cons: (lower case if issues are minor) I=Insect D=Disease R=Root problem F=Falling debris

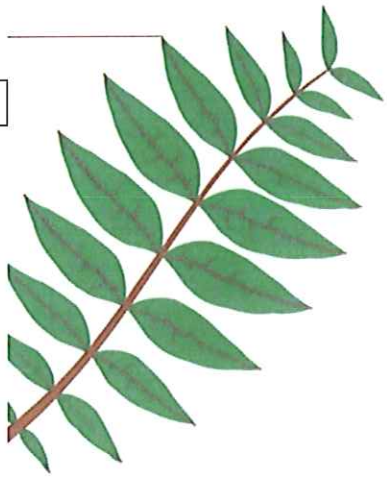
Trees NOT Permitted

The following trees are not permitted for use under landscaping requirements or to be located adjacent to right-of-way as "street trees". Issues related to each species are listed within the chart.

Botanical Name	Common Name	Remarks
Robinia Pseudoacacia	Black Locus	Brittle wood, susceptible to locust borer, sprouts from the roots, thorny
Salix Species	Willow species	Soft wood, shallow roots, invades sewer and water lines
Populus Species	Poplars, Aspen and Cottonwood	Soft wood, shallow roots, invades sewer and water lines
Ginkgo Biloba (female trees)	Ginkgo (female trees)	Very bad smelling fruit
Acer Negundo	Box Elder	Soft wood, box elder bug infestations are a nuisance
Ulmus Species	Elm species	Dutch elm disease
Betula Papyrifera & Pendula	Paper and Weeping Birch	Susceptible to bronze birch borer and the disease it carries
Juglans Nigra	Black Walnut	Heavy aphid infestations, messy seeds, toxic to other plants
Gleditsia Triancanthos	Thorned Honey Locust	Hazardous thorny branches, messy seed pods
Fraxinus Excelsior	European Ash	Prone to disease and die-back

Recommended Shrubs

The following are particularity suitable for the Rathdrum and North Idaho region. Consider deciduous varieties for color and seasonal form; evergreen varieties are useful for year-round cover and structure.



Deciduous Shrubs

Botanical Name	Common Name
Berberis Thunbergil	Red-leaf Japanese Barberry
Caragana Arborescens	Siberian Pea Shrub
Chaenomeies	Flowering Quince
Cotoneaster Acutifolius	Peking Cotoneaster
Cotoneaster Divaricatus	Spreading Cotoneaster
Euonumus Alata	Dwarf Burning Bush
Forytha Intermedia	Forsythia
Ligustrum 'vicaryi'	Vicary Golden Privet
Lonicera	Honeysuckle
Phildephus	Mock Orange
Rhamnus Fragula 'columnaris'	Tailhedge Buckthorn
Salix Purpurea 'gracilis'	Dwarf Purple Osier
Syringa Vulgaris	Common Lilac
Vibumum Opulus 'compactum'	European Cranberry Bush
Vibumum Pilcatum	Doublefile Vibumum
Potentilla Fruicosa	Potentilla

Evergreen Shrubs

Botanical Name	Common Name
Berberis Buxifolia	Magelian Barberry
Buxis Microphylia Koreana	Korean Boxwood
Cotoneaster Lateus	Pamey Cotoneaster
Euonymus Fortunei 'sarcoxie'	
Euonymus Kiautschovica 'DuPont'	
Llex Crenata	Japanese Holly
Juniperus Chinensis, Communis	Shrubs & Columnar-type junipers
Ligustrum Japonicum	Japanese Privet
Lonicara Japanicas	Japanese Honeysuckle
Mohonia Aquifolium	Oregon Grape
Prunus Laurocarasus 'otto luyken'	English Laurel
Prunus Lusitanica	Portugal Laurel
Prunus Tomentosum	Nanking Cherry
Pyracantha	Firethorn
Taxus Baccata 'adpressa'	English Yew
Platycaladus Orientalis 'aureus'	Dwarf Golden Arborvitae
Vibumum Rhytidophylium	Leatherleaf Vibumum