

# CITY OF CEDAR RAPIDS TREE PLANTING LIST

In alphabetical order by common name, followed by botanical name and recommended cultivars.  
(Revised 11/10/20)

The Cedar Rapids Municipal Code requires that new street (ROW) and parking lot trees shall be shade trees (overstory or mid-canopy species) unless overhead utilities do not allow planting of these trees [32.05.030 Development Standards].

**Note:** *The use of trees native to Iowa and the Midwest is recommended wherever possible, particularly in larger yards and public greenspaces. Native trees are adapted to local growing conditions and ecosystems and often perform best over the long run. Most trees native to the Midwest (climate zone 4-5) should also perform well here in Iowa. The lists below also include many non-native tree species that are adapted well to this area and the stresses of urban environments. Exotic trees that exhibit invasive properties and are known to compete with native species are not included on the list. The best approach for selecting a tree to plant is to evaluate sunlight, soil volume and quality, water sources, and other physical conditions of the site. Planting success may vary with specific circumstances. None of the following lists are meant to be all inclusive. Requests to plant trees not included on this list will be handled by the City Arborist on a case by case basis.*

**PLEASE REFER TO THE RESTRICTED PLANTING LISTS AT THE END OF THIS DOCUMENT FOR SPECIES THAT ARE NOT ALLOWED TO BE PLANTED ON THE CITY RIGHT-OF-WAY (ROW) OR AS PART OF REQUIRED LANDSCAPING.**

**OVERSTORY TREES (>= 1,600 sq. ft. of canopy at maturity):** *Overstory trees typically reach a diameter-at-breast- height (DBH) in excess of 25 inches and a height in excess of 60 feet at maturity. Per the Municipal Code, the spacing requirement for planting is 40 feet on center between both existing and replacement trees. New trees are to be 1 inch DBH (diameter at breast height or 4.5 ft. above grade). Please note: Some species may not be permitted on the ROW but make fine private trees.*

Baldcypress	<i>Taxodium distichum</i>	'Shawnee Brave' 'Green Whisper'
Catalpa, Northern *	<i>Catalpa speciosa</i>	
Dawn Redwood	<i>Metasequoia glyptostroboides</i>	'Gold Rush'
Elm, American/ Hybrid	<i>Ulmus Americana/Ulmus x</i>	'New Horizon', 'Triumph'
Ginkgo ( <b>male only</b> )	<i>Ginkgo biloba</i>	'Samurai', 'Saratoga', 'Shangri-la'
Hackberry, Common	<i>Celtis occidentalis</i>	'Prairie Pride', 'Chicagoland'
Hickory, Bitternut*	<i>Carya cordiformis</i>	
Hickory, Mockernut *	<i>Carya tomentosa</i>	
Hickory, Shagbark *	<i>Carya ovata</i>	
Honeylocust	<i>Gleditsia triacanthos inermis</i>	'Northern Acclaim', 'Trueshade'
Horsechestnut	<i>Aesculus hippocastanea</i>	'Baumanii' (seedless)**
Kentucky Coffeetree	<i>Gymnocladus dioica</i>	'PrairieTitan', 'Espresso'(seedless)**
Linden, Silver*	<i>Tilia tomentosa</i>	'Sterling'(Japanese beetle resistant)
Locust, Black	<i>Robinia psuedoacacia</i>	'Chicago Blues'
Maple, Freeman	<i>Acer x freemanii</i>	'Marmo', 'Firefall' (seedless) ***
Maple, Sugar	<i>Acer saccharum</i>	'Crescendo', 'Flax Mill Majesty'
Oak, Black	<i>Quercus velutina</i>	
Oak, Bur*	<i>Quercus macrocarpa</i>	
Oak, MacDaniel's	<i>Quercus x macdanielli</i>	'Heritage'
Oak, Northern Red	<i>Quercus rubra</i>	
Oak, Pin*	<i>Quercus palustris</i>	
Oak, Swamp White	<i>Quercus bicolor</i>	
Oak, White	<i>Quercus alba</i>	
Sweetgum	<i>Liquidambar styraciflua</i>	'Rotundaloba' (seedless)**
Sycamore	<i>Platanus occidentalis</i>	
Tulip Tree	<i>Liriodendron tulipifera</i>	'Emerald City'
Walnut, Black*	<i>Juglans nigra</i>	
Zelkova, Japanese	<i>Zelkova serrata</i>	'Green Vase', 'Village Green',

\*These species **are not approved for the parkway** based on the restricted list for the city of due to the recommendations by the Iowa DNR.

\*\*Only this cultivar is approved for the ROW.

\*\*\* Only these two cultivars of Freeman Maple are allowed. Permission from the city arborist shall be requested prior to planting; approval will be given on a very limited basis.

**MID-STORY/MID-CANOPY TREES (approx. 900 sq. ft. of canopy at maturity):** *Mid-canopy trees typically reach a diameter-at-breast-height (DBH) of 10 - 25 inches and a height of 30 - 60 feet at maturity. Per the Municipal Code, spacing requirement for planting is 40 feet on center between both existing and replacement trees. New trees are to be 1 inch DBH (diameter at breast height or 4.5 ft. above grade).* Please note: Some species may not be permitted on the ROW but make fine private trees.

Alder, Black	<i>Alnus glutinosa</i>	'Pyramidalis', 'Fastigiata'
Alder, Manchurian	<i>Alnus hirsute</i>	'Prairie Horizon'
Amur Corktree	<i>Phellodendron amurense</i>	'Eyestopper', 'His Majesty',
Beech, European*	<i>Fagus sylvatica</i>	'Cuprea', 'Asplenifolia', 'Riversii'
Birch, River	<i>Betula nigra</i>	'Heritage', 'Dura-Heat'
Birch, Yellow	<i>Betula alleghaniensis</i>	
Black Gum/Tupelo	<i>Nyssa sylvatica</i>	'Snow Flurries', 'Wildfire'
Buckeye*	<i>Aesculus sylvatica</i>	'Autumn Splendor'
Buckeye, Red *	<i>Aesculus pavia</i>	
Buckeye, Ohio*	<i>Aesculus glabra</i>	'Sunset'
Butternut*	<i>Juglans cinerea</i>	
Catalpa, Purple*	<i>Catalpa x erubescens</i>	'Purpurea'
Elm, Lace Bark	<i>Ulmus parvifolia</i>	'Bosque' 'Allee'
Hardy Rubbertree	<i>Eucommia ulmoides</i>	
Hophornbeam, American / Ironwood	<i>Ostrya virginiana</i>	
Hornbeam, European	<i>Carpinus betulus</i>	'Fastigiata', 'Frans Fontaine'
Horsechestnut, Red *	<i>Aesculus x carnea</i>	'Ft. McNair', 'Autumn Splendor'
Japanese Pagodatree	<i>Sophora japonica</i>	'Regent', 'Halka'
Katsura tree	<i>Cercidiphyllum japonicum</i>	'Red Fox'
Linden, American (+),*	<i>Tilia americana</i>	
Linden, Crimean (+),*	<i>Tilia x euchlora</i>	
Linden, Littleleaf (+),*	<i>Tilia cordata</i>	'Shamrock', 'Chancole'
London Planetree	<i>Platanus x acerifolia</i>	'Exclamation', 'Ovation'
Magnolia, Cucumbertree	<i>Magnolia acuminata</i>	
Maple, Black	<i>Acer nigrum</i>	
Maple, Miyabe	<i>Acer miyabe</i>	'State Street' 'Rugged Ridge'
Oak, Bebb	<i>Quercus x bebbiana</i>	
Oak, Chinkapin	<i>Quercus muehlenbergii</i>	
Oak, English*	<i>Quercus robur</i>	'Regal Prince', 'Skymaster'
Oak, Hills/Northern Pin	<i>Quercus ellipsoidalis</i>	'Majestic Skies'
Oak, Sawtooth	<i>Quercus acutissima</i>	
Oak, Scarlet	<i>Quercus coccinea</i>	
Oak, Shingle	<i>Quercus imbricaria</i>	
Oak, Ware's	<i>Quercus x warei</i>	'Chimney Fire', 'Nadler'
Turkish Filbert	<i>Corylus colurna</i>	
Yellowwood, American	<i>Cladrastis kentukea</i>	'Perkins Pink'

(+)-Due to excessive defoliation by Japanese beetle, there is a temporary restriction on Linden plantings. Silver Lindens are allowed with permission of the City Arborist only, due to the resistance of the 'Sterling' cultivar.

\*These species **are not approved for the parkway** based on the restricted list for the city of due to the recommendations by the Iowa DNR.

**UNDERSTORY AND ORNAMENTAL TREES (approx. 400 sq. ft. of canopy at maturity):** *Understory trees typically reach a diameter-at-breast-height (DBH) of ≤15 inches and a height of less than or equal to 30 feet at maturity. Per Municipal Code, spacing requirement is a minimum of 40 feet on center, between both existing and replacement trees. These trees are permitted **only where site conditions do not allow the planting of overstory or mid-canopy trees.** New trees are to be 1 inch DBH (diameter at breast height or 4.5 ft. above grade). These species will also be considered if the width of the parkway is 4 feet wide or less, pending review by the City Arborist. Please note: Some species may not be permitted on the ROW but make fine private trees.*

American Smoketree	<i>Cotinus obovatus</i>	
Amur Maackia	<i>Maackia amurensis</i>	'Summertime'
Bald Cypress	<i>Taxodium distichum</i>	'Skyward'**
Crabapple (misc. cultivars)	<i>Malus sp.</i>	½ inch or smaller, non-pendulous
Dogwood, Flowering*	<i>Cornus florida</i>	
Dogwood, Corneliancherry	<i>Cornus mas</i>	'Golden Glory'
Dogwood, Kousa*	<i>Cornus kousa</i>	
Dogwood, Pagoda*	<i>Cornus alternifolia</i>	
Ginkgo	<i>Ginkgo biloba</i> (male only)	'Chi Chi'**
Goldenraintree	<i>Koelreuteria paniculata</i>	'Fastigiata', 'September'
Hawthorn, Thornless Cockspur	<i>Crataegus crus-galli inermis</i>	
Hawthorn, Washington*	<i>Crataegus phaenopyrum</i>	
Hawthorn, Winter King Green*	<i>Crataegus viridis</i>	'Winter King'
Hoptree/Waferash*	<i>Ptelea trifoliata</i>	
Hornbeam, American. (Musclewood)	<i>Carpinus caroliniana</i>	'J.N. Upright', 'Palisade'
Lilac, Japanese Tree	<i>Syringa reticulata ssp. reticulata</i>	'Ivory Silk', 'Summer Snow'
Lilac, Peking (China Snow)	<i>Syringa pekinensis</i>	
Linden, Mongolian (+),*	<i>Tilia mongolica</i>	'Harvest Gold'
Magnolia, Edith Brogue	<i>Magnolia grandiflora</i>	'Edith Brogue'
Magnolia, Sweetbay	<i>Magnolia virginiana</i>	
Maple, Amur	<i>Acer ginnala</i>	'Flame', 'Ruby Slippers'
Maple, Hedge	<i>Acer campestre</i>	'Panacek', 'Evelyn'
Maple, Korean	<i>Acer pseudosieboldianum</i>	
Maple, Shantung	<i>Acer truncatum</i>	'Norwegian Sunset'
Maple, Sugar	<i>Acer saccharum</i>	'Sugar Cone'**
Maple Tartarian	<i>Acer tartaricum</i>	'Hot wings'
Maple, Three-flower	<i>Acer triflorum</i>	
Maple, Trident	<i>Acer buergeranum</i>	'Aeryn'
Redbud, Eastern	<i>Cercis canadensis</i>	'Rising Sun'
Serviceberry	<i>Amelanchier sp.</i>	'Cumulus', 'Snowcloud'
Seven Son Flower*	<i>Heptacodium miconoides</i>	
White Fringetree*	<i>Chionanthus virginicus</i>	
Zelkova, Japanese	<i>Zelkova serrata</i>	'Wireless'**

\*These species **are not approved for the parkway** based on the restricted list for the city of due to the recommendations by the Iowa DNR.

\*\* Must use this cultivar. Standard species will not be approved.

(+)-Due to excessive defoliation by Japanese beetle, there is a temporary restriction on Linden plantings.

## **PLANTING RECOMMENDATIONS FOR SPECIFIC LOCATIONS:**

*(Many trees below also are listed above; some are added because of their suitability for challenging locations.) Please note: All previous conditions apply regarding planting on the ROW, parking lots and other required landscaping. Some species may not be permitted on the ROW but make fine private trees. These lists include both ornamental and overstory/mid-story species.*

**EVERGREEN SCREENING TREES:** *This list is for use in buffer strips and on private property only. As a rule, evergreens require full sun and do not perform well in shade or partial shade.*

Arborvitae (White Cedar)	<i>Thuja occidentalis</i>	'Nigra', 'Techny'
Fir, Balsam	<i>Abies balsamea</i>	
Fir, Concolor/White	<i>Abies concolor</i>	
Fir, Douglas	<i>Pseudotsuga menziesii</i>	
Fir, Fraser	<i>Abies fraseri</i>	
Hemlock, Eastern	<i>Tsuga canadensis</i>	
Pine, Limber	<i>Pinus flexilis</i>	'Vanderwolf's Pyramid'
Pine, White	<i>Pinus strobus</i>	
Red cedar, Eastern	<i>Juniperus virginiana</i>	'Canaertii'
Spruce, Norway	<i>Picea abies</i>	
Spruce, Serbian	<i>Picea omorika</i>	
Spruce, White	<i>Picea glauca</i>	'Densata'

**COLUMNAR TREES FOR NARROW SPACES:** *(Canopy heights with columnar form can vary, but canopy width is typically 15-25 feet). Some of these cultivars may not be as hardy as the standard species.*

Bald Cypress	<i>Taxodium distichum</i>	'Shawnee Brave', 'Skyward'
Beech, European	<i>Fagus sylvatica</i>	'Red Obelisk'
Dawn Redwood	<i>Metasequoia glyptostroboides</i>	
Crabapple	<i>Malus sp.</i>	'Red Baron', 'Marilee', 'Pink spires'
Crabapple, Siberian Columnar	<i>Malus baccata</i>	'Columnari'
Crabapple, Tschonoski	<i>Malus tschonoskii</i>	
Ginkgo ( <b>male only</b> )	<i>Ginkgo biloba</i>	'Princeton Sentry'
Goldenraintree	<i>Koelreuteria paniculata</i>	'Fastigiata'
Hackberry, Common	<i>Celtis occidentalis</i>	'Prairie Sentinel'
Honeylocust	<i>Gleditsia triacanthos inermis</i>	'Street Keeper'
Hornbeam, European	<i>Carpinus betulus</i>	'Fastigiata'
Linden, Littleleaf	<i>Tilia cordata</i>	'Corinthian'
Maple, Black	<i>Acer nigrum</i>	'Green Column'
Maple, Sugar	<i>Acer saccharum</i>	'Endowment'
Oak, Bur	<i>Quercus macrocarpa</i>	'Urban Pinnacle'
Oak, English	<i>Quercus robur</i>	'Rose Hill', 'Regal Prince',
Oak, English/White	<i>Quercus bimundorum</i>	'Crimson Spire'
Oak, Pin	<i>Quercus palustris</i>	'Green Pillar'
Oak, Ware's	<i>Quercus x warei</i>	'Regal Prince', 'Chimney Fire'
Sweetgum	<i>Liquidambar styraciflua</i>	'Emerald Sentinel', 'Happidaze'
Tulip Tree	<i>Liriodendron tulipifera</i>	'Fastigiatum'
Zelkova, Japanese	<i>Zelkova serrata</i>	'Musashino'

**TREES SUITABLE FOR FLOOD PLAINS AND WET SITES:** *These species have variable degrees of tolerance to wet soils, from occasional pooling of water to regular flooding for a few days. (See categories above for size of tree.)*

Alder, Red	<i>Alnus rubra</i>
Bald Cypress	<i>Taxodium distichum</i>
Birch, River	<i>Betula nigra</i>
Blackgum, Tupelo	<i>Nyssa sylvatica, Nyssa aquatica</i>
Buckeye, Ohio	<i>Aesculus glabra</i>
Dawn Redwood	<i>Metasequoia glyptostroboides</i>
Dogwood, Pagoda	<i>Cornus alternifolia</i>
Elm, Hybrid American	<i>Ulmus americana</i>
Hackberry, Common	<i>Celtis occidentalis</i>
Hornbeam, American. (Musclewood)	<i>Carpinus caroliniana</i>
Kentucky Coffeetree	<i>Gymnocladus dioica</i>
Linden, American	<i>Tilia americana</i>
Maple, Amur	<i>Acer ginnala</i>
Oak, Bur	<i>Quercus macrocarpa</i>
Oak, Swamp White	<i>Quercus bicolor</i>
Redbud, Eastern	<i>Cercis canadensis</i>
Serviceberry	<i>Amelanchier sp.</i>
Sweetbay Magnolia	<i>Magnolia virginiana</i>
Sweetgum	<i>Liquidambar styraciflua</i>
Sycamore	<i>Platanus occidentalis</i>

**TREES MODERATE OR GREATER TOLERANCE OF AEROSOL AND SOIL SALTS:** *(See categories above for size of tree.) Cultivars noted are tolerant. Otherwise, the species is tolerant.*

Amur Maackia	<i>Maackia amurensis</i>	
Bald Cypress	<i>Taxodium distichum</i>	
Blackgum, Tupelo	<i>Nyssa sylvatica, Nyssa aquatica</i>	
Catalpa, Northern	<i>Catalpa speciosa</i>	
Ginkgo	<i>Ginkgo biloba</i> (male only)	
Goldenraintree	<i>Koelreuteria paniculata</i>	
Hackberry, Common	<i>Celtis occidentalis</i>	
Hardy Rubbertree	<i>Eucommia ulmoides</i>	
Honeylocust	<i>Gleditsia triacanthos inermis</i>	
Horsechestnut	<i>Aesculus hippocastanea</i>	‘Baumanii’ (seedless)
Kentucky Coffeetree	<i>Gymnocladus dioica</i>	
Lilac, Japanese Tree	<i>Syringa reticulata ssp. reticulata</i>	‘Ivory Silk’, ‘Summer Snow’
Lilac, China Snow Peking	<i>Syringa pekinensis</i>	
Locust, Black	<i>Robinia pseudoacacia</i>	
London Planetree	<i>Platanus x acerifolia</i>	
Maple, Hedge	<i>Acer campestre</i>	
Maple, Miyabe	<i>Acer miyabe</i>	
Oak, Bur	<i>Quercus macrocarpa</i>	
Oak, English	<i>Quercus robur</i>	
Oak, MacDaniel’s	<i>Quercus x macdanielli</i>	
Oak, Sawtooth	<i>Quercus acutissima</i>	
Oak, Swamp White	<i>Quercus bicolor</i>	
Oak, White	<i>Quercus alba</i>	
Red cedar, Eastern	<i>Juniperus virginiana</i>	
Serviceberry	<i>Amelanchier sp.</i>	
Spruce, Serbian	<i>Picea omorika</i>	
Spruce, White	<i>Picea glauca</i>	
Sycamore	<i>Platanus occidentalis</i>	
Walnut, Black	<i>Juglans nigra</i>	
Zelkova, Japanese	<i>Zelkova serrata</i>	‘Village Green’

**TREES THAT TOLERATE PARTIAL SHADE:** Listed by genus unless noted (See categories above for size of tree.)

Hornbeam, American. (Musclewood)	<i>Carpinus caroliniana</i>
Hophornbeam, American / Ironwood	<i>Ostrya virginiana</i>
Amur Maackia	<i>Maackia amurensis</i>
Birch, River	<i>Betula nigra</i>
Buckeye	<i>Aesculus sp.</i>
Dogwood	<i>Cornus sp.</i>
Hornbeam, American/Musclewood	<i>Carpinus caroliniana</i>
Maple, Amur	<i>Acer ginnala</i>
Redbud, Eastern	<i>Cercis canadensis</i>
Serviceberry	<i>Amelanchier sp.</i>

**TREES THAT TOLERATE DRY CONDITIONS:** Listed by genus unless noted (See categories above for size of tree.)

Catalpa, Northern	<i>Catalpa speciosa</i>
Elm, American/ Hybrid	<i>Ulmus Americana/Ulmus x</i>
Hackberry, Common	<i>Celtis occidentalis</i>
Hawthorn	<i>Crataegus sp.</i>
Honeylocust	<i>Gleditsia triacanthos inermis</i>
Hophornbeam, American / Ironwood	<i>Ostrya virginiana</i>
Kentucky Coffeetree	<i>Gymnocladus dioicus</i>
Locust, Black	<i>Robinia psuedoacacia</i>
Maple, Amur	<i>Acer ginnala</i>
Maple, Freeman	<i>Acer x freemanii</i> 'Autumn Blaze'
Oak, Bur	<i>Quercus macrocarpa</i>
Oak, Chinkapin	<i>Quercus muehlenbergii</i>
Oak, Hills/Northern Pin	<i>Quercus ellipsoidalis</i>

**TREES RESISTANT TO DEER DAMAGE:** It is important to note that "resistant to" does not mean "immune to". If deer are hungry enough, they will feed on these species. Deer will "rub" any species of tree.

Elm, American/ Hybrid	<i>Ulmus Americana/Ulmus x</i>
Ginkgo ( <b>male only</b> )	<i>Ginkgo biloba</i>
Hawthorn	<i>Crataegus sp.</i>
Honeylocust	<i>Gleditsia triacanthos inermis</i>
Kentucky Coffeetree	<i>Gymnocladus dioicus</i>
Locust, Black	<i>Robinia psuedoacacia</i>
Magnolia	<i>Magnolia sp.</i>
Maple	<i>Acer sp.</i>
Oak	<i>Quercus sp.</i>
Tulip Tree	<i>Liriodendron tulipifera</i>

## **RESTRICTED PLANTING LISTS:**

**PROHIBITED TREES:** *The following classes and types of trees shall not be planted on the ROW or as part of required landscaping. With the exception of Red Maple, it is recommended that any specific Genus/species listed below also not be planted on private property.*

Ash (All species and cultivars)	<i>Fraxinus sp.</i>
Austree	<i>Salix alba x matsudana</i>
Birch, White/Paper	<i>Betula papyrifera</i>
Boxelder	<i>Acer negundo</i>
Conifers (evergreen species)	
Cottonwood	<i>Populus deltoides</i>
Elm, Siberian	<i>Ulmus pumila</i>
Empress Tree/Princess Tree	<i>Paulownia tomentosa</i>
Fruit and Nut trees over 1" (walnut, apple, etc.)	
Maple, Red (All hybrids and cultivars)	<i>Acer rubrum</i>
Maple, Silver (All hybrids and cultivars)	<i>Acer saccharinum</i>
Mountainash	<i>Sorbus Americana</i>
Mulberry (All species and cultivars)	<i>Morus sp.</i>
Multi-Stem/Clump Form Trees	
Pear (All species and cultivars)	<i>Pyrus sp.</i>
Poplar (All species and cultivars)	<i>Populus sp.</i>
Russian Olive	<i>Elaeagnus angustifolia</i>
Tree of Heaven	<i>Ailanthus altissima</i>
Trees with thorns on the main stem or lower canopy	
Willow (All species and cultivars)	<i>Salix sp.</i>
Woody, bushy shrubs	

**THE PLANTING OF THE FOLLOWING SPECIES IS TEMPORARILY SUSPENDED IN THE PUBLIC ROW:** *Contact the City Arborist for more information on this moratorium.*

Catalpa (All species and cultivars)	<i>Catalpa sp.</i>
Linden (All species and cultivars)	<i>Tilia sp.</i>
Oak, Pin	<i>Quercus palustris</i>