

APPROVED and BANNED TREE LISTS

Botanical Name	Common Name	Recommended Types**	Planting Strip (soil width)			Group P Parks & Open Areas	Native/Non-Native	Use Under Wires	Mature Height	Mature Width	Comments**
			Group A >48"	Group B >30"	Group C 30" or less						
APPROVED STREET TREES (must be single stem & tree form when used as street trees unless otherwise approved by STC)											
Acer buergeranum	Trident Maple	Aeryn, Blood Moon, Valynor (narrowest 15-20')		X		X	Non Nat.	Y	20-40'	15-30'	species not desirable due to large variability
Acer campestre	Hedge Maple	Metro gold, best street tree form (20'w), Queen Elizabeth (Evelyn), Streetsize-narrowest (18'w)			X	X	Non Nat.	Y	30-35'	18-35'	can survive tree pits, rubble and road salt; Caution reported invasive elsewhere, may be banned in future HT lists
Acer rubrum	Red Maple	Species	X			X	Native	N	50-60'	40'	Surface rooted, use in wide strips only
Acer rubrum (columnar/narrow oval forms)	Red Maple	Armstrong Gold, Columnare, Red Rocket acceptable but a slow grower.	X			X	Native	N	40'	12-15'	Surface rooted, use in wide strips only
Acer x freemanii/rubrum/saccharinum	Hybrid/Cultivar Maples	Autumn Radiance, Celebration, Marmo, October Glory, Redpointe, Red Sunset; Male seedless: Autumn Flame, Brandywine, New World	X			X	Varies	N	35-60'	25-45'	Surface rooted, use in wide strips only
Acer miyabei	Miyabe Maple	State Street	X			X	Non Nat.	N	45-55'	35-40'	
Acer truncatum	Purpleblow/Shantung Maple	Crimson Sunset, Main Street, Norwegian Sunset, Pacific Sunset, Urban Sunset		X		X	Non Nat.	Y	25-35'	20-25'	
Amelanchier x grandiflora	Serviceberry	Autumn Brilliance (White), Robin Hill (Pink), Rubescens (Pink), Cumulus (narrow, white), Spring Flurry			X	X	Hybrid	Y	20'	15'	
Amelanchier laevis	Allegheny serviceberry	Species, Snowcloud			X	X	Native	Y	30'	20'	
Betula nigra (tree form)	River Birch	Species, City Slicker, Dura Heat, Heritage		X		X	Native	N	35-40'	25-40'	
Carpinus betulus	European Hornbeam	Cornerstone, Emerald Ave., Frans Fontaine, Globosa, Fastigiata (narrow)			X	X	Non Nat.	Y	30-40'	25' (8' for Fastigiata)	
Carpinus caroliniana	American Hornbeam, Ironwood, Musclewood	Species, Native Flame, Palisade, Rising Fire			X	X	Native	Y	30'	10-20'	
Celtis laevigata	Sugarberry, Sugar Hackberry	Species, All Seasons	X			X	Native	N	50'	40'	
Celtis x "Magnifica" (leavigata x occid.)	Magnifica Hackberry	Magnifica	X			X	Hybrid	N	50'	40'	
Celtis occidentalis	Common Hackberry	Species. Chicagoland, Windy City, Prairie Sentinal (12'wide)	X	Prairie Sentinal		X	Native	N	45-50'	12-35'	
Cercis canadensis	Redbud	Species & cultivars			X	X	Native	Y	20-30'	20-30'	
Chionanthus retusus	Chinese Fringetree	Arnold's Pride			X	X	Non Nat.	Y	35'	20'	Cultivars likely better for street tree use
Chionanthus virginicus	Fringetree	Species; Dirr Clone, Emerald Knight, Serenity			X	X	Native	Y	15-20'	15-20'	
Corylus colurna	Tree Filbert	Species & similar cultivars			X	X	Non Nat.	N	40-50'h	30'	
Cotinus obovatus	American Smoketree	Species & similar cultivars		X		X	US Nat.	Y	20-30'	25'	
Crataegus laevigata	English Hawthorn	Crimson Cloud (red flowers & fruit)			X	X	Non Nat.	Y	25'	20'	
Eucommia ulmoides	Hardy Rubber Tree	Emerald Pointe is nearly columnar			X	X	Non Nat.	N	40'	15'	

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APPROVED STREET TREES (CONTINUED) (must be single stem & tree form when used as street trees unless otherwise approved by STC)											
Ginkgo biloba - male	Ginkgo, Maidenhair Tree	Male only: Autumn Gold (50H x 30W), Golden Colonnade (45x20), Presidential Gold (60x40), Saratoga (40x30) (no dwarf forms)		X		X	Non Nat.	N	45-60'	20-40'	Curb strip width depends on cultivar.
Ginkgo biloba (columnar types)-male	Ginkgo, Maidenhair Tree	Male only: Princeton Sentry, Magyar		X		X	Non Nat.	N	50-60'	25'	
Gleditsia triacanthos inermis	Thornless Honeylocust	Morraine, Perfection, Skyline, Shademaster, Sunburst, Sunset Gold, True Shade		X		X	Native	Y	45-50'	30-40'	choose seedless cultivars or nearly seedless cultivars
Gymnocladus dioicus	Kentucky Coffee Tree	Decaf, Espresso, Prairie Titan, Stately Manor True North; Columnar: Skinny Latte (50'H x 20' wide)	X			X	Native	N	50-55'	35-50'	choose seedless cultivars
Lagerstroemia indica & hybrids	Crape Myrtle	Tall USDA hybrids including; White: Natchez, ;Lavendar: Apalachee, Muskogee, Wichita; Pink:Choctaw, Miami, Tuscarora, Tuskegee, Sioux; Red: Arapaho, Sarah's Favorite; Also Black Diamond Series have purple foliage and more disease resistance, 9 Cultivars available			X	X	Non Nat.	Y	15-30'h	20-30'	More cultivars being bred as we type, limited by nursery availability. Not all are listed here. (Caution, invasive in southern States, limit plantings, may be banned in future HT lists)
Maackia amurensis	Amur Maackia	Species, Maacnificent, Starburst, Summertime	X			X	Non Nat.	Y	25-30'	20-25'	Low branching, nitrogen fixer so tolerates poor soils. (Caution, reportedly can be invasive, may be banned in future HT lists)
Magnolia virginiana	Sweetbay Magnolia	Species. Emerald Tower (20' x 8'), Moonglow			X	X	Native	N	35-40'	15-18'	Prefers moist spots but worth a try in curb strips with less sun.
Malus-columnar	Crabapple	White:Ivory Spear; Pink/Red: Raspberry Spear			X	X	Non Nat.	Y	18-20'	7-8'	
Malus-fruitless	Crabapple	White:Marilee has some susceptibility to scab			X	X	Non Nat.	Y	24'	14'	
Malus-orange berries	Crabapple	White: Harvest Gold			X	X	Non Nat.	Y	22'	18'	
Malus-pink/red flowering	Crabapple	Gladiator, Purple Prince, Red Splendor, Rejoice, Ruby Dayze			X	X	Non Nat.	Y	20-30'	15-20'	
Malus-white flowering	Crabapple	Adirondack, Red Jewel, Sugar Tyme			X	X	Non Nat.	Y	18-20'	12-18'	
Nyssa sylvatica	Black gum, Black Tupelo	Species. Firemaster, Firestarter (pyramidal), Green Gable, Red Splyndor, Tupelo Tower, Wildfire	X			X	Native	N	40-50'	18-30'	
Nyssa sylvatica-compact	Black gum, Black Tupelo	Gum Drop, Sheri's Cloud (varigated)			X	X	Native	Y	30'	20'	
Ostrya virginiana	American Hophornbeam	Species. Autumn Treasure (bred for Street tree use)		X		X	Native	N	40-45'	25-30'	
Parrotia persica	Persian Ironwood	Ruby Vase, Vanessa			X	X	Non-Native	Y	28'	14-16'	
Platanus x acerifolia	London Planetree	Bloodgood, Exclamation, Huisen, Liberty, Monumental, Suttneri, and similar anthracnose resistant types	X			X	Non Nat.	N	60-80'	35-70'	
Prunus maackii	Amur Chokecherry	Species. Amber Beauty		X		X	Non Nat.	Y	30'	25-30'	

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Prunus sargentii	Sargent Cherry	Species, Accolade, Princeton		X		X	Non Nat.	Y	35'	30'	
Prunus sargentii (columnar types)	Sargent Cherry	Columnaris, Pink Flair, Rancho			X	X	Non Nat.	Y	25-35'	10-15'	
Prunus serrulata	Japanese Flowering Cherry	Kwanzan, Ukon		X		X	Non Nat.	Y	25-30'	20-25'	
Prunus serrulata (columnar types)	Japanese Flowering Cherry	Amanogawa, Sunset Blvd.			X	X	Non Nat.	Y	20-25'	6-14'	
Prunus virginiana	Common Chokecherry	Canada Red Select			X	X	Native	Y	20'	20'	LIMIT USE DUE TO PROBLEMS IN HT; "Sucker Punch" is supposed to be sucker free, also possibly slightly smaller (15' x 20')
Prunus x yedoensis	Yoshino Cherry	Akebono, Yoshino		X			Non Nat.	Y	20-30'	25-30'	
Quercus bicolor	Swamp White Oak	Species	X				Native	N	50-60'	50-60'	
Quercus bicolor-columnar	Swamp White Oak	Beacon		X			Native	N	40-50'	15'	Widely used in Philadelphia.
Quercus coccinea	Scarlet Oak	Species	X				Native	N	70'	40-50'	
Quercus imbricaria	Shingle Oak	Species	X				Native	N	50-60'	50-60'	
Quercus lyrata	Overcup Oak	Species, Marquee (pyramidal)	X				Native	N	40-60'	40-60'	
Quercus macrocarpa	Bur Oak	Species, Urban Pinnacle (selected for street tree life-65'h x 35'w)	X				Native	N	70-80'	70-80'	Planted 12 in 2016, none are still at addresses. Large acorns.
Quercus phellos	Willow Oak	Species	X				Native	N	40-60'	30-40'	
Quercus robur hybrids (columnar types)	English Oak Hybrids	Birthday Candle, Chimney Fire, Crimson Spire, Kindred Spirit, Streetspire, Walkenbach		X			Non Nat.	N	40-50'	10-18'	x Q. bicolor or x Q. alba parentage
Quercus shumardii	Shumard Oak	Species, Madison (60' x 20')	X				Native	N	40-60'	40-60'	
Syringa reticulata	Japanese Tree Lilac	Ivory Silk, Ivory Pillar, Summer Snow			X		Non Nat.	Y	25'	15'	
Tilia americana	American Linden	Species, Boulevard, Redmond	X	§			Native & Hybrid	N	60-70'	20-40'	§ Redmond, Boulevard
Tilia cordata	Littleleaf Linden	Species, Greenspire, Glenleven (cordata x flavescens)	X				Non Nat.	N	45-55'	30-35'	
Tilia cordata (columnar types)	Littleleaf Linden	Corinthian ('Corzam')		X			Non Nat.		50'	15'	
Tilia tomentosa	Silver Linden	Species, Green Mountain, Silver Lining, terling	X				Non Nat.	N	65-70'	35-45'	
Ulmus americana	American Elm (resistant)	Colonial Spirit, Jefferson, New Harmony, Princeton, Valley Forge, St. Croix	X				Native	N	70-80'	50-70'	

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ADDITIONAL APPROVED TREES FOR PARKS AND OPEN AREAS ONLY											
<i>Trees allowable in Park/Open Areas include Approved Street Trees listed on previous pages. Also, any NJ native species (except for banned species) is approved for park use.</i>											
Acer saccharum	Sugar Maple	Cultivars showing heat resistance: Commemoration, Crescendo, Flash Fire, Legacy, Oregon Trail, Powder Keg				X	Native	NA			Limit use - climate warming has impacted it's survival in our area
Cornus kousa	Kousa Dogwood	Species, cultivars, hybrids				X	Non Nat.	NA			Upland
Carya ovata	Shagbark Hickory	Species				X	Native	NA			Lowland
Carya cordiformis	Bitternut	Species				X	Native	NA			Upland
Carya alba	Mockernut	Species				X	Native	NA			Upland
Cornus florida	Flowering Dogwood	Species, cultivars, hybrids				X	Native Etc.	NA			Upland
Castanea dentata	American Chestnut	Resistant type(s) from Am. Chest. Soc.				X	Native	NA			Upland
Catalpa speciosa	Northern Catalpa	Species				X	Native	NA			Upland or Lowland
Fagus grandiflora	American Beech	Species				X	Native	NA			Upland
Hamamelis virginiana	Witchhazel	Species & cultivars				X	Native	NA			Upland
Ilex opaca	American Holly	Species & cultivars				X	Native	NA			Upland
Juniperus virginiana	Eastern Red Cedar	Species & cultivars				X	Native	NA			Upland
Liquidambar styraciflua	Sweetgum	Species				X	Native	NA			Lowland. Use away from walks: seed balls
Liriodendron tulipifera	Tulip Poplar, Tulip Tree	Species				X	Native	NA			Upland. Use away from walks: falling branches
Magnolia acuminata	Cucumber Magnolia	Species				X	Native	NA			Upland
Magnolia grandiflora	Southern Magnolia	Species & cultivars				X	SE Native	NA			Upland or Lowland
Magnolia tripetala	Umbrella Magnolia	Species				X	Native	NA			Lowland
Picea sp.	Spruce	Varies				X	Varies	NA			Upland generally
Pinus strobus	White Pine	Species				X	Native	NA			Upland. Use away from walks: falling branches
Platanus occidentalis	Sycamore	Species				X	Native	NA			Lowland. Use away from pipes
Quercus alba	White Oak	Species				X	Native	NA			Upland
Quercus falcata	Southern Red Oak	Species & cultivars				X	Native	NA			Upland
Salix nigra	Black Willow	Species				X	Native	NA			Lowland. Use away from pipes
Taxodium distichum	Bald Cypress	Species, Shawnee Brave, Ascendens (Nutans), Autumn Gold (Sofine)				X	Native	NA			Lowland. Use away from pipes

Notes

**Resources include "The Tree Book" Michael A. Dirr and Keith S. Warren, 2019. ISBN 978-1-60469-714-8; City of Philadelphia Approved Street Trees list 05/2023; and HT STC expertise

***"Species" means no named cultivars (nativars), just genus and species. For example Betula nigra is the "species", B. nigra 'Dura Heat' is a cultivar(nativar) of this tree.

** Additional cultivars and hybrids not listed in the Approved Lists may be approved, or not, on a case-by-case basis at the sole discretion of the Shade Tree Commission

General Tree Requirements

1. Single Stem Treeform is required for Street Trees (unless otherwise approved by STC in writing): no branching in lower four feet at time of planting; for trees 3.0" cal and larger, no branching in lower 6 feet at time of planting.
2. Prune lower branches to provide seven foot (7') pedestrian clearance above sidewalk when the tree can handle it.
3. Prune lower branches to provide visual clearance at intersections and stop signs. Do not plant closer than 25' from stop signs, 20' from utility poles. Consider sight lines at intersections and driveways.
4. Healthy, disease free tree stock. No root-bound stock is allowed unless the roots are loosened/trimmed as required to prevent girdling
5. Trees provided by nurseries for HTSTC, for Land Development and for New Construction shall meet American Nursery Standards, and have a well formed and uniform crown.
6. Use columnar types only where buildings are closer than 15' to the tree trunk, or where necessary given overhead wires limiting overhead space.
7. Plantings along streets: Use only trees from the Approved Street Trees list above, unless otherwise approved in writing by HT STC; no shrubs. Not all trees on the above list may be locally available.

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TREES BANNED FOR USE ALONG STREETS (see also "Trees Banned for Use in All Areas" and "Notes for Banned Plants" on following page)											
Abies sp.	Fir	NA									Shape
Acer negundo	Boxelder	NA									Weak wooded, roots invade pipes
Acer saccharinum	Silver Maple	NA									Roots invade pipes, weak wooded, shallow rooted
Alnus	Alder	NA									Shape
Betula populifera, B. papyrifera	Grey Birch, Paper Birch	NA									Short lived and/or insects
Celastris kentukea (lutea)	Yellowwood	NA									Weak branching when mature
Liquidambar styraciflua	Sweetgum (see approved list for cultivars)	NA									Seed pods create walking hazard
Liriodendron tulipifera	Tulip Poplar, Tulip Tree	NA									Weak wooded
Metasequoia glyptostroboides	Dawn Redwood	NA									Shape
Morus rubra	Red Mulberry	NA									Shape, fruit messy
Picea sp.	Spruce	NA									Shape
Pinus sp.	Pine	NA									Shape
Populus sp.	Poplars, Cottonwood	NA									Short lived, weak wooded
Salix sp.	Willows	NA									Weak, often weeping, shallow rooted, some non-native invasive
Fagus sp.	Beech	NA									Very large root flare, shallow rooted
	Nut Trees, Fruit Trees & Shrubs	NA									Nuts, Fruits, Shape

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TREES BANNED FOR USE IN ALL AREAS											
Acer palmatum	Japanese Maple	NA									Non-native invasive
Acer platanoides	Norway Maple	NA									Non-native invasive
Acer pseudoplatanus	Sycamore Maple	NA									Non-native invasive
Aesculus hippocastanum	Horse Chestnuts	NA									Non-native invasive
Ailanthus altissima	Tree of Heaven	NA									Non-native invasive
Albizia julibrissin	Silk Tree, Mimosa	NA									Non-native invasive
Alnus glutinosa	European Alder	NA									Non-native Invasive
Betula pendula (B. alba)	European White Birch	NA									Non-native invasive
Broussonetia papyrifera	Paper Mulberry	NA									Non-native invasive
Catalpa ovata	Chinese Catalpa	NA									Non-native invasive
Eleagnus angust., E. pungens, E. umbellata	Olive	NA									Non-native invasive
Evodia sp.	Evodia	NA									Non-native invasive
Fraxinus americana	White Ash	NA									Emerald Ash Borer
Fraxinus pennsylvanica	Green Ash	NA									Emerald Ash Borer
Ginkgo biloba - female	Ginkgo, Maidenhair Tree - (female)	NA									Putrid smelling fruits
Koeleruteria paniculata	Goldenraintree	NA									Non-native invasive
Malus prunifolia, sylvestris	Crabapple	NA									Non-native invasive
Morus alba	White Mulberry	NA									Non-native invasive
Paulownia tomentosa	Princess Tree, Empress Tree	NA									Non-native invasive
Phellodendron amurense	Amur Corktree	NA									Non-native invasive
Prunus avium & P. cerasus & P. mahaleb	Bird (Crab) Cherry & Sour Cherry & Mahaleb Cherry	NA									Non-native invasive
Pyrus calleryana (and all cultivars)	Callery Pear, such as Bradford, Aristocrat, etc.	NA									Non-native invasive
Quercus acutissima	Sawtooth Oak	NA									Non-native invasive
Quercus palustris	Pin Oak	NA									Bacterial Leaf Scorch
Quercus rubra	Red Oak	NA									Bacterial Leaf Scorch
Ulmus pumila	Siberian Elm	NA									Non-native invasive
Ulmus parviflora	Lacebark Elm	NA									Non-native invasive
Zelcova serrata	Japanese Zelkova	NA									Non-native invasive
Notes for Banned Plants											
1. "Invasive" in the context of this list is a non-native that has the ability to escape cultivation and spread into natural areas (documentation of damage to native ecosystems is not required to be defined as Invasive in this list)											
2. "Native" in the context of this list is a species from the Mid-atlantic region that was present prior to European settlement, includes cultivars, but excludes hybrids.											
3. Refer to this website for additional invasive trees, shrubs and herbaceous plants which shall not be planted: https://www.fohvos.info/invasive-species-strike-team/info-center/ (in HT, do not plant any plant on the Do Not Plant List or Watch List).											