

**Climate Resilient Trees
for Streetside Tree Belt Planting**

SHADE TREES

Common name	Botanical name	Height (in feet)	Spread (in feet)	North America native?	USDA grow zone**	Light	Water	Root Area***									
									Drought tolerant	Salt tolerant	Air pollution tolerant	Wet soil tolerant	Clay tolerant	Showy fall foliage	Showy flowers	Plant under utility lines	Trees for 2050 +
Black tupelo or black gum	Nyssa sylvatica	30-50	20-30	y	3-9	full sun to part shade	medium to wet	medium	x	x		x		x			x
Elm 'Prospector'	Ulmus davidiana var. japonica 'Prospector'	50	25	n	4-9	sun	medium	small				x					x
Elm 'Triumph'	Ulmus 'Morton Glossy'	50-60	35-40	n	4-9	sun	medium	small				x					x
Ginkgo 'Autumn Gold'	Ginkgo biloba 'Autumn Gold'	50-80	30-40	n	3-8	full sun	medium	small		x	x	x		x			x
Hackberry	Celtis occidentalis	40-60	40-60	y	2-9	full sun to part shade	medium to wet	medium	x		x	x					x
Honeylocust 'Skyline®'	Gleditsia triacanthos f. inermis 'Skycole'	60-80	60-80	y	3-8	sun	medium	medium	x	x	x	x			x		x
Katsura	Cercidiphyllum japonicum	40-60	25-60	n	4-8	sun to part shade	medium	medium				x		x			
Kentucky coffee	Gymnocladus dioica	60-80	40-55	y	3-8	full sun	medium	large	x	x	x				x		x
Linden, American 'Redmond'	Tilia americana 'Redmond'	50-70	30-45	y	2-8	full sun to part shade	medium	medium	x						x		x
Linden, Littleleaf	Tilia cordata 'Greenspire®' or 'Norlin'	30-50	25-30	n	3-7	full to part sun	medium	medium			x				x		
London Planetree 'Bloodgood'	Platanus x acerifolia 'Bloodgood'	75-100	60-70	hybrid	4-8	full sun	medium to wet	large			x		x				x
Maple, Freeman 'Autumn Blaze®'	Acer x freemanii 'Jeffersred'	40-50	30-40	y	3-7	full sun	medium to wet	medium	x					x			x
Oak, chestnut	Quercus prinus	50-70	50-70	y	4-8	full sun	Dry to medium	medium	x								
Oak, pin	Quercus palustris	50-70	40-60	y	4-8	sun	medium to wet	medium				x		x			
Oak, red	Quercus rubra	50-75	50-75	y	4-8	sun	dry to medium	large	x	x	x			x			x
Oak, swamp white	Quercus bicolor	50-60	50-60	y	3-8	sun	medium to wet	medium		x			x	x			
Oak, white	Quercus alba	50-80	50-80	y	3-9	sun	dry to medium	large	x								x
Sweetgum	Liquidambar styraciflua	60-80	40-60	y	5-9	full sun	medium	medium					x	x			x
Sycamore, American	Platanus occidentalis	75-100	75-100	y	4-9	sun to light shade	medium to wet	large		x	x	x					x
Tulip poplar	Liriodendron tulipifera	60-90	30-50	y	4-9	full	medium	large					x	x			
Yellowwood	Cladrastis lutea	30+	30+	y	4-9	full sun	dry to medium	medium						x	x		x

ORNAMENTAL TREES

Cornelian cherry (dogwood)	Cornus mas	20-30	15-20	n	4-8	full sun to part shade	medium	small					x		x	x	x
Crabapple 'Royal Raindrops'	Malus 'Royal Raindrops'	20	12-15	hybrid	4-8	full sun	medium	small			x		x	x	x	x	
Crabapple, 'Adirondack'	Malus 'Adirondack'	15-20	6-8'	hybrid	4-8	full sun	dry to medium	small						x	x	x	x
Crabapple, 'Red Jewel'	Malus 'Red Jewel'	15-20	12-15'	hybrid	4-8	full sun	dry to medium	small						x	x	x	
Hornbeam, American	Carpinus caroliniana	20-35	20-35	y	3-9	part shade to full shade	medium	small				x		x		x	x
Serviceberry 'Autumn Brilliance'	Amelanchier x grandiflora 'Autumn Brilliance'	15-25	15-20	y	4-9	sun to part shade	medium	small						x	x	x	x



*Chicago Botanic Garden: https://www.chicagobotanic.org/plantinfo/tree_alternatives

Other sources: U.S. Forest Service; Missouri Botanical Garden; Cornell University Woody Plants Database (<http://woodyplants.cals.cornell.edu/home>)

** <http://planthardiness.ars.usda.gov/phzmweb/interactivemap.aspx>

*** Derived from *Vermont Tree Selection Guide* (<https://vtcommunityforestry.org/resources/vermont-tree-selection-guide>) see page 25 in this report for root area specifications