

STORMWATER BMP TREES

Genus	Species	Common Name	Evergreen	Size	Growth Rate	Light needs	Moisture preference	Street Tree	Pollution Resistant	Powerline Compatible	Visual Attraction/ food source	Shade Tree	Suggested Cultivars	Minimum soil volume required - Cubic Ft	Notes for use/Disease susceptibility
Acer	rubrum	Red maple		Large	Fast	Full to partial sun	High				Striking fall color	√	Brandywine, October Glory, Red Sunset, Bowhall	1200	Can have issues with girdling roots. Prefers a wet environment. Limit use due to overplanting
Amelanchier	arborea	Downy serviceberry		Small	Slow	Partial sun to shade	High	√		√	White flowers, edible fruit			600	Single-trunked for street trees, multi-trunk in large plantings. Fruit is susceptible to Cedar Apple Rust, which does not otherwise affect the tree's health.
Amelanchier	canadensis	Shadblow serviceberry		Small	Slow	Partial sun to shade	Moderate	√		√	White flowers, edible fruit			600	Single-trunked for street trees, multi-trunk in large plantings. Fruit is susceptible to Cedar Apple Rust, which does not otherwise affect the tree's health. X grandiflora 'Autumn brilliance', a hybrid with A. laevis is also acceptable, and may be more formal.
Betula	nigra	River Birch		Medium	Fast	Full sun to shade	High	√	√		Attractive bark	√		900	Single-trunked for street trees, multi-trunk in large plantings. Use sparingly, in wet areas with significant soil space
Celtis	occidentalis	Common hackberry		Large	Fast	Full to partial sun	High	√	√		Attractive bark	√		1200	
Cephalanthus	occidentalis	Buttonbush		Small	Slow	Full sun to shade	High		√	√	Round white flowers			600	
Cercis	canadensis	Eastern redbud		Small	Medium	Partial sun to shade	Low	√		√	Purple flowers			600	
Chamaecyparis	thyoides	Atlantic whitecedar	√	Medium	Medium	Partial sun to shade	High				Evergreen, striped bark	√		1200	Single-trunked for street trees, multi-trunk in large plantings. Can form damaging cankers, which can be controlled by selective pruning.
Chionanthus	virginicus	White fringetree		Small	Slow	Full to partial sun	Low	√		√	White flowers			600	Susceptible to Emerald Ash Borer. Only use single-trunk as street tree
Crataegus	phaenopyrum	Washington hawthorn		Small	Medium	Full sun to shade	Low	√		√	White flowers			600	Fruit is susceptible to Cedar Apple Rust, which does not otherwise affect the tree's health.
Crataegus	viridis	Green hawthorn		Small	Slow	Partial sun to shade	Low	√	√	√	White flowers, striking fall color		Winter King	600	Single-trunked for street trees, multi-trunk in large plantings. Fruit is susceptible to Cedar Apple Rust, which does not otherwise affect the tree's health.
Diospyros	virginiana	Common persimmon		Medium	Medium	Full sun to shade	Low		√		Edible Fruit, unusual black bark	√		900	
Ilex	Opaca	American holly	√	Medium	Slow	Full to partial sun	High		√		Attractive winter berries	√		900	
Liquidambar	styraciflua	Sweetgum		Large	Medium	Full to partial sun	High	√			Striking fall color	√		1200	Provide significant root space for this tree. Limit use as street tree due to tendency to destroy pavement. Acceptable for medians
Magnolia	virginiana	Sweetbay magnolia	√	Small	Medium	Full to partial sun	High	√		√	White flowers			600	Semi-evergreen, depending on the local heat regime. 'Henry Hicks' can be used under power lines. Single stem only for street trees.
Nyssa	sylvatica	Black tupelo		Large	Slow	Full to partial sun	High	√	√		Striking fall color	√		1200	
Pinus	taeda	Loblolly pine	√	Large	Fast	Full sun	Low		√		Evergreen	√		1200	
Platanus	occidentalis	American sycamore		Large	Fast	Full sun	Any		√		Large leaves, interesting seeds	√		1200	Susceptible to anthracnose
Quercus	bicolor	Swamp white oak		Large	Medium	Full to partial sun	High	√	√		Attractive peeling bark, multi-colored leaves	√		1200	
Quercus	nigra	Water oak		Large	Fast	Full to partial sun	High				Evergreen	√		1200	
Quercus	palustris	Pin oak		Large	Medium	Full sun	High	√			Even form, small acorns	√		1200	
Quercus	phellos	Willow oak		Large	Fast	Full sun	Any	√	√		Thin, sun-filtering leaves	√		1200	
Rhus	copallina	Winged Sumac		Small	Medium	Full to partial sun	Low		√	√	Striking fall color, large colored flower spikes			600	Spreads readily, excellent for slope control along roads.
Salix	nigra	Black willow		Medium	Fast	Full to partial sun	High				Slender leaves	√		900	
Taxodium	ascendens	Pondcypress		Large	Fast	Full sun	High	√	√		Deciduous conifer	√		1200	

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<i>Taxodium</i>	<i>distichum</i>	Baldcypress		Large	Fast	Full sun	High	✓	✓		Deciduous conifer	✓		1200	Plant Dutch elm disease resistant cultivars only. 'Jefferson' and 'Valley Forge' have shown good resistance. 'Princeton' is not acceptable, due to poor resistance and form
								✓	✓		Attractive bark	✓	Jefferson, Valley Forge	1200	
<i>Ulmus</i>	<i>americana</i>	American elm		Large	Fast	Full sun	Any								
<i>Viburnum</i>	<i>prunifolium</i>	Blackhaw viburnum		Small	Slow	Partial sun to shade	Low	✓	✓	✓	Striking fall color			600	