

# EVERGREEN TREES

Genus	Species	Common Name	Evergreen	Size	Light needs	Moisture preference	Street Tree	Pollution Resistant	Powerline Compatible	Use in stormwater solutions	Native Range	Visual Attraction/food source	Shade Tree	Minimum soil volume required - Cubic Ft	Notes for use/Disease susceptibility	Chesapeake Bay Preservation Ordinance Size requirement (height or caliper)	Chesapeake Bay Preservation Ordinance Minimum Spread requirement (Feet)	Chesapeake Bay Preservation Ordinance Coverage (including native bonus)
<i>Chamaecyparis</i>	<i>thyoides</i>	Atlantic whitecedar	✓	Small-Medium	Partial sun to shade	High				✓	Region	Evergreen, striped bark	✓	900	Single-trunked for street trees, multi-trunk in large plantings. Can form damaging cankers, which can be controlled by selective pruning.	6-7 Ft. tall	3 Ft.	137.5
<i>Ilex</i>	<i>Opaca</i>	American holly	✓	Medium	Full to partial sun	High		✓		✓	Local	Attractive winter berries	✓	900		6-7 Ft. tall	3 Ft.	218.75
<i>Juniperus</i>	<i>virginiana</i>	Eastern redcedar	✓	Small-Medium	Full sun	Low	✓	✓	✓		Local	Evergreen	✓	900		6-7 Ft. tall	3 Ft.	137.5
<i>Magnolia</i>	<i>virginiana</i>	Sweetbay magnolia	✓	Small-Medium	Full to partial sun	High	✓		✓	✓	Local	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.	6-7 Ft. tall	3 Ft.	137.5
<i>Magnolia</i>	<i>grandiflora</i>	Southern magnolia	✓	Large	Full to partial sun	High		✓			Region	White flowers		1200		8 - 10 Ft. Tall	5 Ft.	393.75
<i>Pinus</i>	<i>echinata</i>	Shortleaf pine	✓	Medium	Full sun	Low		✓			Local	Evergreen	✓	1200		6-7 Ft. tall	3 Ft.	218.75
<i>Pinus</i>	<i>rigida</i>	Pitch pine	✓	Medium	Full sun	Moderate		✓			Local	Evergreen	✓	1200		6-7 Ft. tall	3 Ft.	218.75
<i>Pinus</i>	<i>taeda</i>	Loblolly pine	✓	Medium	Full sun	Low		✓		✓	Local	Evergreen	✓	1200		6-7 Ft. tall	3 Ft.	218.75
<i>Pinus</i>	<i>virginiana</i>	Virginia pine	✓	Medium	Full sun	Low					Local	Evergreen	✓	1200		6-7 Ft. tall	3 Ft.	218.75
<i>Thuja</i>	<i>occidentalis</i>	Arborvitae	✓	Small	Full sun	Low			✓		Region	Evergreen		600		6-7 Ft. tall	3 Ft.	62.5
<i>Tsuga</i>	<i>canadensis</i>	Eastern hemlock	✓	Medium	Partial shade	Moderate					Local	Evergreen	✓	1200	Susceptible to Hemlock woolly adelgid	6-7 Ft. tall	3 Ft.	218.75

Right tree, right place: Every species of tree has different requirements,. Understand the space in which you are planning for tree planting before finalizing your selection. Work with a qualified professional, or reach out to your local extension agent for assistance.

Arlington County has a Natives Preferred policy for planting on County property, and local native trees are required in Resource Protection Areas, Natural Lands or Natural Resource Conservation Areas

This spreadsheet serves as Appendix E to the Chesapeake Bay Preservation Ordinance Guidance Manual

## Glossary:

<b>Genus</b>	A group of plants marked by common characteristics, like <i>Quercus</i> (Oaks), <i>Acer</i> (Maples), or <i>Cornus</i> (Dogwoods)
<b>Species</b>	An individual type of plant, capable of interbreeding within its designation, like <i>Quercus stellata</i> (Post oak), or <i>Tilia americana</i> (American linden)
<b>Common Name</b>	The common description of a plant, like American Holly, or Tuliptree. A tree can have several common names, which is why latin names are often preferred.
<b>Evergreen</b>	A tree which retains its leaves over the winter. These trees do lose leaves or needles over time, but at a slower rate than deciduous trees
<b>Size</b>	Mature size (usually within 30-50 years, depending on species, but all trees continue to grow). Small trees typically stay under 20 ft tall, medium under 40 ft, and large trees can reach up to 100 ft tall
<b>Growth Rate</b>	The speed at which a species grows to its mature size. Keep in mind a fast-growing small tree may grow fast for its species, but due to genetic limitations, may not reach the size of a slow-growing large tree
<b>Light needs</b>	The light requirements for a tree to grow optimally. Trees preferring full sun should be in full sun for at least 6 hours a day, while trees preferring shade can live with less than 3 hours of sunlight a day
<b>Moisture preference</b>	The need for dry, moderate, or wet soils. This can be accomodated through proper irrigation, maintenance and/or design
<b>Street Tree</b>	Trees well suited for planting along roads, or in tree pits, when specified as upright or vase-shaped form for small trees, and limbed up to a safe height, and not obstruct view for traffic. Trees with large fruit can be planted in low density areas
<b>Pollution Resistant</b>	Trees well suited for planting in tough areas with high pollution from both the air, as well as salt spray from the road. These species are often also well-suited for stormwater control facilities.
<b>Powerline Compatible</b>	Species that may be acceptable to be planted below powerlines, due to size or stature. These species have not been reviewed by Dominion Virginia Power, and utility companies maintain the right to prune or trim any trees or vegetation
<b>Use in stormwater solutions</b>	Trees that may be appropriate to be planted in regulated stormwater BMPs. Street tree BMPs not currently permitted
<b>Native Range</b>	Nativity, either locally (native to Arlington, Alexandria, or Fairfax) or regionally (native to Virginia, West Virginia, Maryland, Delaware, North Carolina, Washington DC, New Jersey, or Pennsylvania)
<b>Visual Attraction/food source</b>	Interest from the tree that sets it apart from other trees, or potential food source. Do your research before eating, and confirm your identification.
<b>Shade Tree</b>	A tree likely to grow to a size where it will cast significant shade on the surrounding environment, reducing energy costs and urban heat island effect.
<b>Suggested Cultivars</b>	Cultivars of the species that have shown promise in our landscape and provide added aesthetic value, or may be more resistant to disease or other pathogens
<b>Minimum Soil Volume</b>	Minimum soil volumes required to allow the tree to meet its genetic potential size.
<b>Chesapeake Bay Preservation Ordinance</b>	Minimum required height or caliper for a tree to be counted for Chesapeake Bay Preservation Ordinance tree canopy requirements
<b>Chesapeake Bay Preservation Ordinance</b>	Minimum required spread for a tree to be counted for Chesapeake Bay Preservation Ordinance tree canopy requirements
<b>Chesapeake Bay Preservation Ordinance</b>	Total coverage given to each species, according to the table below

	Chesapeake Bay Pr	Native	Non-native	Spacing
	Large	393.75	315	20
	Medium-Large	312.5	250	20
	Medium	218.75	175	15
	Small-Medium	137.5	110	10
	Small	62.5	50	10