



Street Tree Planting Recommendations

This list is provided as a guide to the most appropriate species for parkways in urban situations. There is no single perfect tree; the most successful course is to match the planting site limitations with the right tree for that spot. Each site must be evaluated and possible restrictions of tree species noted. These restrictions include rooting space, soil texture, soil pH, drainage, exposure, overhead wires and surrounding building surfaces.

The trees appearing on this list have different requirements and tolerances. All of these species should do well in the urban forest environment of Avon Lake. Before selecting any particular species or variety, further research should be done to ensure that the site would satisfy the specific requirements of the plant.

Some of the species or cultivars listed here may not be readily available at local nurseries, particularly in calipers large enough for planting in high-traffic areas. Tree shelters and staking may provide limited protection. In some cases, it may be necessary to care for them in a City nursery for several years until they reach an appropriate size for establishment in the tree lawns.

Small trees with narrow crowns (suitable for tree lawns 3 to 5 feet-wide and under wires):

Amelanchier arborea - Shadblow Serviceberry
Amelanchier laevis - Allegheny Serviceberry
Carpinus betulus "Fastigiata" - Pyramidal European Hornbeam
Cornus mas "Golden Glory" - Cornelian Cherry Dogwood
Crataegus laevigata - English Hawthorn
Crataegus phaenopyrum - Washington Hawthorn
Koelreuteria panieulata - Golden-Rain Tree
Laburnum x waterei - Golden-Chain Tree
*Malus app.** - Crabapple (Limited Use)
Sorb us aucuparia - European Mountain Ash
Syringa reticulata "Ivory Silk" - Ivory Silk Japanese Tree Lilac

Small trees with broad crowns (suitable for tree lawns at least 8 feet wide and under wires):

Acer campestre - Hedge Maple+
Acer ginnala - Amur Maple+
Acer tartarian - Tartarian Maple+
Amelanchier laevis "Cumulus" - Cumulus Serviceberry
Amelanchier x grandiflora - Apple Serviceberry
Carpinus caroliniana - American Hornbeam
Cercis canadensis - Redbud
Chionanthus virginicus - Fringetree
Cladrastis kentukea (lutea) - Yellowwood
Cornus alternifolia - Pagoda Dogwood
Crataegus crus-galli - Cockspur Hawthorn
Crataegus punctata "Ohio Pioneer" - Ohio Pioneer Hawthorn
Crataegus viridis "Winter King" - Winter King Hawthorn
Halesia carolina - Silverbell
*Malus spp** - Crabapple (Limited Use)

Sophora japonica - Japanese Pagoda Tree
Prunus sargentii - Sargent Cherry
Prunus virginiana "Shubert" - Shubert Chokecherry
Syringa reticulata - Japanese Tree Lilac

Medium trees (suitable for tree lawns 6 to 8 feet wide without under wires):

Acer x freernanii "Autumn Blaze" - Autumn Blaze Red Maple+
Acer x freernanii "Celebration" - Celebration Maple
Aesculus glabra - Ohio Buckeye
Betula nigra "Heritage" - Heritage River Birch
Carpinus betulus - European Hornbeam
Celtis occidentalis "Prairie Pride" - Prairie Pride Hackberry
Cercidiphyllum japonicum - Katsura Tree
Fagus sylvatica "Dawycldi" - Dawyck European Beech
Koelreuteria paniculata - Golden-Rain Tree
Nyssa sylvatica - Sourgum
Ostrya virginiana - Hophornbeam
Quercus robur "Fastigiata" - Pyramidal English Oak
Quercus robur "Wandell" - Attention English Oak
Tilia cordata "Chancellor" - Chancellor Linden
Tilia cordata "Corzatzn" - Corinthian Littleleaf Linden
Tilia cordata "Greenspire" - Greenspire Littleleaf Linden
Ulmus "Homestead" - Homestead Elm
Zelkova serrata "Green Vase" - Green Vase Zelkova

Large trees (suitable for tree lawns at least 8 feet wide without under wires):

Acer platanoides "Cleveland" - Cleveland Norway Maple+
Acer platanoides "Royal Red" - Royal Red Norway Maple
Acer plantaooides "Superform" - Superform Norway Maple+
Acer rubrum "October Glory" - October Glory Red Maple+
Acer rubrum "Red Sunset" - Red Sunset Red Maple+
Acer x freemanii "Autumn Blaze" - Autumn Blaze Freeman Maple+
Aesculus x carnea "Briotii" - Rubyred Horse Chestnut
Fagus grandijlorict - American Beech
Fagus sylvatica - European Beech
Fraxinus americana "Autumn Applause" - Autumn Applause White Ash
Ginkgo biloba - Ginkgo (male only)
Liquidambar styraciflua "Morraine" - Morraine Sweetgum+
Liriodendron tulipifera - Tuliptree
Magnolia acuminata - Cucumber Magnolia
Platanus x acerifolia "Bloodgood" - Bloodgood London Plane
Platanus x acerifolia "Columbia" - Columbia London Plane
Platanus x acerifolia "Liberty" - Liberty London Plane
Quercus alba - White Oak
Quercus bicolor - Swamp White Oak

Quercus coccinea - Scarlet Oak
Quercus ellipsoidalis - Northern Pin Oak
Quercus marocarpa - Bur Oak
Quercus robur - English Oak
Quercus rubra - Northern Red Oak
Taxodium distichum - Bald Cypress
Tilia americana "Redmond" - Redmond Linden
Tilia euchlora - Crimean Linden
Tilia plarphyllos - Bigleaf Linden
Tilia tornentosa - Silver Linden
Tilia x europaea - European Linden
Omits parvifolia "Elmer" - Chinese/Lacebark Elm
Ulmus "Pioneer" - Pioneer Elm
Ulmus "Regal" - Regal Elm

Undesirable street parkway trees:

Acer negundo - Boxelder
Acer saccharinum - Silver Maple
Ailanthus altissima - Tree of Heaven
Elaeagnus angustifolia - Russian Olive
Fraxinus velutina glabra - Modesto Ash
Ginkgo biloba (Female) - Female Ginkgo
Gleditsia tricanthos "Inermis" - Thornless Honeylocust
Morus species - Mulberry
Populus alba - White Poplar
Populus dectoides - Cottonwood
Populus nigra - Lombardy Poplar
Salix species - Willow
Ulmus americana - American Elm
Ulmus pumila - Siberian Elm

Comments

Aggressive, shallow roots, weak wood
 Aggressive, shallow roots, weak wood
 Seeds, suckers, weak wood
 Form, disease
 Sidewalk problems
 Fruits
 Over-planted species
 Fruits, shallow roots
 Suckers, shallow roots, weak wood
 Seeds, shallow roots, weak wood
 Insects, disease, short-lived
 Shallow roots, weak wood
 Insects, disease
 Seeds, weak wood

- * Limit use/over-planted genus
- + Tolerant of urban conditions

PLANT SITE REQUIREMENTS

Clearance	Small Trees	Medium Trees	Large Trees
On Center	25 ft.	35 ft.	40-60 ft.
Overhead	30 ft.	30-60 ft.	60 ft.
Side	20 ft.	20-40 ft.	40 ft.
Tree Lawn Width	4 ft.	4-8 ft.	8 ft.+
From Intersection	35 ft.	35 ft.	35 ft.
Visible Utilities	10 ft.	15 ft.	15 ft.
Invisible Utilities (gas, water, sewer, underground electric)	10 ft.	15 ft.	15 ft.
Other Trees and Planting Sites	25 ft.	35 ft.	40-60 ft.
Driveways	10 ft.	20 ft.	25 ft.
Manholes, Water Valves and Curb Stop	10 ft.	20 ft.	25 ft.
Overhead Clearance:			
Over Sidewalk	8 ft.	8 ft.	8 ft.
Over Street	16 ft.	15 ft.	16 ft.