



## Arlington Tree Planting Program Species – Spring 2024

### Overview

- All of these species do well in our area, generally accepting of our clay soils. The few that do not do well in clay are mentioned.
- Trees are generally 2-inch caliper, 7-feet high at planting.
- The tree growth rate is given for height: Slow= 12"/year    Medium=18"/year    Fast = 24"/year
- Shrubs are generally 2-feet high at planting.
- Shrubs will form thickets. Prune as needed to maintain size.

| Common Name                                                               | Genus Species                  | Mature Height (ft.) | Mature Width (ft.) | Sunlight Requirements     | Species Description                                                                                                                                                                |
|---------------------------------------------------------------------------|--------------------------------|---------------------|--------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Section I - Large Shade Trees: may have width greater than 40 feet</b> |                                |                     |                    |                           |                                                                                                                                                                                    |
| American beech                                                            | <i>Fagus grandifolia</i>       | 50-70               | 50-70              | Full sun to partial shade | Wide-spreading branches. Less tolerant of dry soil; has shallow roots. Nuts attract wildlife. Doesn't tolerate compacted, wet or poorly drained soils. Slow to medium growth rate. |
| American sycamore                                                         | <i>Platanus occidentalis</i>   | 70-100              | 70-90              | Full sun                  | Interesting, multicolored bark; moderate wildlife value. An adaptable, tough tree. Medium-fast growth rate.                                                                        |
| Red oak                                                                   | <i>Quercus rubra</i>           | 60-75               | 60-75              | Full sun to partial shade | High wildlife value, medium to fast growth rate. Prefers loamy soil, tolerates clay but not very wet soil. Better at tolerating urban conditions. Usually deep red fall color.     |
| Scarlet oak                                                               | <i>Quercus coccinea</i>        | 70-75               | 40-50              | Full sun                  | Striking fall color, high wildlife value, medium-fast growth rate. Glossy dark green leaves. Less tolerant of adverse soil conditions.                                             |
| Swamp white oak                                                           | <i>Quercus bicolor</i>         | 60-80               | 50-75              | Full sun to partial shade | Leaves dark, shiny green above and silvery white beneath; good fall color. High wildlife value. Tolerates flooding, drought, and a range of soils. Slow-medium growth rate.        |
| Sweetgum                                                                  | <i>Liquidambar styraciflua</i> | 60-75               | 40-50              | Full sun to partial shade | Striking fall color, corky ridges on branches, spiky gumballs in fall and winter, moderate wildlife value, growth rate is medium-fast. Bright green star shaped leaves.            |
| White oak                                                                 | <i>Quercus alba</i>            | 50-80               | 50-80              | Full sun                  | High wildlife value, slow to medium growth rate. Leaves blueish-green in summer. Does NOT tolerate soil compaction or disturbance of its root zone, nor very wet soil.             |
| Willow oak                                                                | <i>Quercus phellos</i>         | 40-60               | 40-60              | Full sun                  | Moderate wildlife value, medium to fast growth rate. More tolerant of adverse soil conditions, including very wet.                                                                 |

## Section II - Medium Shade Trees: trees with less than 40 feet width

|                     |                           |        |       |                           |                                                                                                                                                                            |
|---------------------|---------------------------|--------|-------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bald cypress        | <i>Taxodium distichum</i> | 50-100 | 20-35 | Full sun to partial shade | Tolerant wet soils, Stately with pale green foliage turning golden and purple in fall, small 1" cones.                                                                     |
| Black gum           | <i>Nyssa sylvatica</i>    | 30-50  | 20-30 | Full sun to partial shade | Leaves lustrous dark green summer, striking fall color, high wildlife value, slow to medium growth, tolerates many soils (loam, clay, sandy, acidic, wet to well-drained). |
| Eastern hophornbeam | <i>Ostrya virginiana</i>  | 25-40  | 20-30 | Sun to light shade        | Hop-shaped flowers, slow growth, attractive exfoliating bark, moderate wildlife value, tolerates occasional dry soil.                                                      |

### Right Tree, Right Place, Right at Home!

- Plant trees at least 20 feet away from any overhead electric utility lines. This is the horizontal distance from the tree trunk to the wire or utility pole.
- Plant at least 10 feet from a building.
- Plant at least 10 feet from existing small trees and 20 feet from existing large trees.
- Plant trees at least 4 feet from sidewalks, driveways, patios and fences. Planting distances may also be affected by site conditions or the species.
- Plant trees at least 5 feet away from any known underground utility lines (water, gas, electric or sewer lines for example). If approved for a tree, Miss Utility will be called to check the planting location for distance to underground utilities.
- To lower your cooling costs, shade your home by planting canopy trees on the southwestern and western sides.