

New Hope Borough Shade Tree Commission
List of Approved Plants and Shade Trees

Under Wire (Small Tree Species)

***American Hornbeam** *Carpinus caroliniana*. Transplant in spring. **H: 30', W: 25'**

- Prefers partial shade and organic soils but tolerates full shade. Slow growth rate. Salt sensitive.

****Crabapple** *Malus spp.*; **H: 15' – 30', W: 12' – 25'** depending on cultivar

- Tolerates sun, partial shade, salt and drought.

***Eastern Redbud** *Cercis Canadensis*; **H: 20' – 30', W: 25' – 35'**

- Tolerates salt, shade and high pH. Does not do well in wet or poorly drained soils.

****Flowering Dogwood** *Cornus florida*; **H: 25', W: 25'** Several cultivars are available.

- Does best in sun to light shade. Prefers high quality organic soils.

Golden Rain Tree *Koelreuteria paniculata*. Transplant in spring. **H: 30', W: 30'**

- Does well in full sun; drought tolerant. Grows in wide range of well-drained soils at medium to fast rate.

****Green Hawthorn** *Crataegus viridis*. Transplant in spring. **H: 25' – 35', W: 25' – 35''**

- Prefers full sun; drought tolerant. Grows in wide range of well-drained soils at a medium rate.

Hedge maple *Acer campestre*; **H: 25' – 35', W: 25' – 35'**

- Tolerant of drought, urban conditions, a variety of soils, and partial shade. Prefers full sun.

Japanese Tree Lilac *Syringa reticulata*; **H: 20' – 25', W: 15' – 20'**

- Prefers full sun. Tolerant of salt and drought but prefers slightly acidic organic soils. Slow growth rate.

Kwanzan Cherry *Prunus serrulate*. Transplant in spring. **H: 30' – 40', W: 30' – 40'**

- Tolerates heat, humidity and dry soils (once established). Prefers moist, fertile soils and full sun. Can be short lived and develop problems with insects.

Persian Ironwood *Parrotia persica*; **H: 20', W: 10'**

- Tolerates heat. Prefers full sun, tolerates partial shade, fall color best in full sun.

****Schubert Cherry** *Prunus virginiana*. Transplant in spring. **H: 20' – 30', W: 15' – 20'**

- Tolerates salt, drought, pollution and high pH. Prefers well drained soils, full sun or partial shade. Can develop issues with disease or insects.

****Serviceberry** Species and Hybrids, specifically tree form *Amelanchier* (*A. laevis*, *A. arborea*, *A. canadensis*, *A. grandiflora*) **H: 20' – 30', W: 15' – 25'** depending on cultivar

- Tolerates a wide range of soil conditions, full sun, partial shade, and air pollution.

***Sourwood** *Oxydendrum arboreum*; **H: 25' – 30'; W: 15' – 20'**

- Prefer full sun and acidic, well-drained soil. Tolerant of shade and dry soil; moderately tolerant of salt.

* Indicates species native to the region.

** Indicates a keystone species native to the region. Keystone species have high value for native wildlife.

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Without Wires (Medium to Large Tree Species)

***American Sweetgum** *Liquidambar styraciflua*. Transplant in spring. **H:** 60' – 75', **W:** 40' – 60'

- Prefers full sun, drought tolerant. Adapts to a wide range of soils. Growth rate is medium to fast.

***American Sycamore** *Platanus occidentalis*; **H:** 70' – 100', **W:** 40' – 70'

- Grows in full sun or partial shade; will tolerate alkaline soil if it is moist, and it transplants well. It is fast-growing and tolerant of drought. Sensitive to road salt. Grows at a medium to fast rate.

***Black Gum or Black Tupelo** *Nyssa sylvatica*. Transplant in spring. **H:** 40' – 60', **W:** 30' – 45'

- Requires full sun. Tolerates salt, dry and wet sites. Dramatic fall color, slow growing and long lasting.

***Common Hackberry** *Celtis occidentalis*. Transplant in spring. **H:** 40' – 60', **W:** 40+

- Grows in a wide-range of well-drained soils. Does well in full sun. Some tolerance for both drought and flooding. Withstands wind and city conditions.

****Heritage River Birch** *Betula nigra 'Heritage' and DuraHeat cultivars*; **H:** 40' – 50', **W:** 30' – 40'

- Tolerant of both wet soils and dry summers. Avoid very alkaline soils. Does well in full sun, partial shade. Grows at a medium to fast rate. Single-stem forms available.

***Honeylocust (unthorned)** *Gleditsia triacanthos*; **H:** 40' – 80', **W:** 30' – 70' Several cultivars are available.

- Adapts to a wide range of soils. Fast-growing, prefers full sun. Pollution, salt and drought tolerant.

Kentucky Coffeetree (male only) *Gymnocladus dioicus*. Transplant in spring. **H:** 50' – 70', **W:** 40' – 50'

- Prefers full sun; drought tolerant. Tolerates pollution, wide range of soils. Grows 12" to 24" per year. Beautiful bark adds winter interest. Male is fruitless and more upright.

****Red Maple** *Acer rubrum*, **H:** 40' – 75', **W:** 30' – 70' Size and form varies depending on cultivar.

- Grows on diverse site conditions, from very wet or quite dry. Develops best on moderately well-drained, moist sites. Tolerates partial shade.

****Valley Forge Elm** *Ulmus Americana*; **H:** 60' – 80', **W:** 40' – 80' Other cultivars available.

- Adapts to a wide range of soil conditions. Does best in full sun on well-drained, rich soil. Can tolerate road salt, drought and air pollution. Medium to fast growth rate.

****Oak Species:** Prefer full sun, large tree pits, lawn or park areas due to size of mature trees. Long lasting.

****Swamp Oak** *Quercus bicolor*; **H:** 50' – 60', **W:** 50' – 60' Cultivars are available.

- Grows best in moist, well-drained soils; tolerates adverse soil conditions, drought. Slow growth rate.

****Pin Oak** *Quercus palustris* **H:** 50' – 70', **W:** 40' – 50' Tolerates range of soil conditions. Fast growth rate.

****Red Oak** *Quercus rubra*; **H:** 60' – 80', **W:** 50' – 70' Fast growth rate.

- Grows in acidic, loamy, moist, sandy, well drained, clay soils. Tolerates pollution and compacted soil.

****Scarlet Oak** *Quercus coccinea*; **H:** 60' – 70', **W:** 40' – 50' Tolerates moist to dry soil. Fast growth rate.

****White Oak** *Quercus alba*; **H:** 50' – 80', **W:** 50' – 80'

- Prefers acidic, moist, well-drained soil. Does not tolerate alkaline soil. Slow to moderate growth rate.

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