

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

**Under Wire (Small)**

\*American Hornbeam *Carpinus caroliniana*; **H:** 30', **W:** 25'

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

\*Crabapple *Mallus 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*; **H:** 30', **W:** 30'

- Does well in full sun; drought tolerant. Grows in wide range of well-drained soils at medium to fast 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 Maple *Acer palmatum*; **H:** 15' – 25', **W:** 20'

- Prefers partial to mostly shady location in moist but well-draining soil. Grows at a slow to medium rate.

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 serrulata*; **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.

Purpleleaf Plum *Prunus cerasifera*; **H:** 15' – 25'; **W:** 15' – 20'

- Prefer full sun and well-drained soil. Tolerates salt and partial shade.

\*Schubert Cherry *Prunus virginiana*; **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.

\* Indicates species native to the region.

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**Without Wires (Medium to Large)**

\*Basswood or American Linden *Tilia Americana*; **H:** 60' – 80', **W:** 30' – 60' Several cultivars are available.

- Grows in full sun or partial shade; will tolerate alkaline soil if it is moist, and it transplants well. It is not particularly tolerant of drought. Sensitive to road salt. Grows at a medium to fast rate.

\*Black Gum or Black Tupelo *Nyssa sylvatica*; **H:** 30' – 60', **W:** 20' – 40'

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

\*Common Hackberry *Celtis occidentalis*; **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.

\*Honey Locust (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 dioica*; **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.

London Plane Tree *Platanus X acerfolia*; **H:** 70' – 100', **W:** 65' – 80' Cultivars are available.

- Prefers moist, well-drained soils and full sun to light shade. Able to withstand air pollution and drought. Large tree requiring large tree pit, lawn or park.

\*Red Maple *Acer rubrum*, **H:** 35' – 60', **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. Does not show a strong affinity for either a north or a south aspect.

\*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 and 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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