

City of Noblesville

Approved Tree Species List

Right Tree, Right Place

When picking a tree for your project, consider the physical conditions of your planting site.

Consider the soil type, drainage patterns, and space available. Are there obstructions such as fire hydrants, light poles and water meters? Are there utilities above and/or below ground? If there are overhead power lines, trees that have a limited height growth should be picked. Picking the appropriate tree for the site will assure a longer life for the tree.

❖ Height of 30 feet or greater:

◆ Freeman Maple

Acer x freemanii

Size: 40 feet tall, 45 feet wide

Habit: early pyramidal form becomes rounded

Hardiness: zone 3b to 9

Tolerance: tolerant of urban conditions such as drought and salt

Foliage: leaves turn red in the fall

Characteristics: hybrid of red and silver maple

Note: easily transplanted

Suggested Cultivars: 'Autumn Blaze', 'celzam'

◆ State Street Maple

Acer miyabei

Size: 40 feet tall, 25 feet wide

Habit: fast growing, upright oval form

Hardiness: zone 4 to 7

Tolerance: pH adaptable

Foliage: leaves dark green leaves turn yellow in fall

Characteristics: handsome corky bark

Note:

Suggested Cultivars: 'Morton'

◆ Red Maple

Acer rubrum

Size: 60 feet tall, 60 feet wide

Habit: pyramid trees grow into a rounded crown

Hardiness: zone 3b to 9

Tolerance: tolerant of different soils and ozone

Foliage: leaves emerge reddish tinged, change to darker green, yellow or brilliant red fall color

Characteristics: red flowers appear from March to April, soft gray-brown medium textured bark

Note: easy to transplant

Suggested Cultivars: 'Red Sunset', 'Red Pointe'

- ♦ **Sugar Maple**

Acer saccharum

Size: 70 feet tall, 50 feet wide

Habit: large round pyramid crown

Hardiness: zone 4 to 8

Tolerance: not salt tolerant, not pollution tolerant

Foliage: 5 lobed, not serrated leaves turn mixture of yellow orange and red in fall

Characteristics: excellent shade tree, prune in spring and fall, well-drained soil, do not plant in confined area

Note:

Suggested Cultivars: 'Green Mountain', 'Legacy'

- ♦ **Hackberry**

Celtis occidentalis

Size: 60 feet tall, 40 feet wide

Habit: weak pyramid trees mature to a broad crown

Hardiness: zone 3 to 9

Tolerance: very tolerant of urban conditions

Foliage: dull light green leaves turn yellow green in fall (not significant)

Characteristics: bark develops corky or wart like projections

Note: easily transplanted

Suggested Cultivars:

- ♦ **Honey Locust (thornless)**

Gleditsia triacanthos var. *inermis*

Size: 70 feet tall, 70 feet wide

Habit: short trunk and open, spreading crown

Hardiness: zone 4 to 9

Tolerance: urban and salt tolerant

Foliage: bright green leaves turn clear yellow in fall

Characteristics: bark develops long, scaly ridges

Note: requires frequent pruning to maintain good form

Suggested Cultivars: 'Shademaster', 'Skyline'

- ♦ **Ginkgo (male varieties)**

Ginkgo biloba

Size: 50 feet tall, 30 feet wide

Habit: young pyramid become wide spreading with massive branches

Hardiness: zone 4 to 8

Tolerance: very urban tolerant

Foliage: bright green, fan-shaped leaves turn yellow in fall
Characteristics: dark furrowed bark, spur growth
Note: easily transplanted, use only male or sterile varieties
Suggested Cultivars: 'Princeton Sentry', 'Autumn Gold'

◆ Little-leaf Linden

Tilia cordata

Size: 70 feet tall, 50 feet wide
Habit: medium growing, matures to a pyramidal-rounded, densely branched tree
Hardiness: zone 3b to 7
Tolerance: fairly tolerant of drought and salt, pollution tolerant
Foliage: dark, shiny green leaves turn yellow-green in fall
Characteristics: gray-brown, furrowed bark, yellowish, fragrant flowers in late June
Note: easily transplanted
Suggested Cultivars: 'Glenleven', 'Chancellor'

◆ American Elm

Ulmus americana

Size: 80 feet tall, 50 feet wide
Habit: vase or wide spreading, fast growing tree
Hardiness: zone 3 to 9
Tolerance: tolerant of soil salt and variable conditions
Foliage: lustrous dark green leaves turn yellow in fall
Characteristics: deep fissured bark
Note: choose varieties that are resistant to Dutch elm disease, many pest issues
Suggested Cultivars: 'Princeton', 'Homestead'

◆ Lacebark Elm

Ulmus parvifolia

Size: 50 feet tall, 50 feet wide
Habit: graceful, round headed tree
Hardiness: zone 4 to 9
Tolerance: urban soil tolerant
Foliage: lustrous dark green leaves turn yellow and reddish purple in fall (inconsistent)
Characteristics: mottled grey, green, orange, and brown bark
Note: resistant to Dutch elm, and beetles. Do not confuse with the Siberian Elm (*Ulmus pumila*)
Suggested Cultivars: 'Frontier'

◆ Zelkova

Zelkova serrata

Size: 80 feet high, 50 feet wide
Habit: medium growing, vase shaped tree
Hardiness: zone 4 to 8
Tolerance: wind and drought tolerant, moderately salt tolerant
Foliage: dark green leaves in summer produce yellow-orange-brown fall color
Characteristics: grey brown, exfoliating bark at maturity
Note: easily transplanted

Suggested Cultivars: 'Green Vase'

◆ Tulip Tree

Liriodendron tulipifera

Size: 90 feet, 50 feet wide

Habit: fast growing tree with a oval-rounded crown

Hardiness: zone 4 to 9

Tolerance: moderately drought tolerant

Foliage: bright green leaves turn yellow in the fall

Characteristics: interlacing, furrowed bark, yellowish flowers borne high in the crown, seeds persist through the winter

Note: prefers large open spaces, weak wooded

Suggested Cultivars:

◆ White Oak

Quercus alba

Size: 80 feet tall, 50 feet wide

Habit: slow growing, broad rounded tree

Hardiness: zone 3b to 9

Tolerance: moderately drought tolerant, not tolerant of soil compaction

Foliage: leaves unfold pinkish mature to dark green, rich red fall color

Characteristics: variable bark, stout stems

Note: slow growing, difficult to transplant

Suggested Cultivars:

◆ Swamp White Oak

Quercus bicolor

Size: 60 feet tall, 60 feet wide

Habit: spreading form with a round topped crown

Hardiness: zone 4 to 8

Tolerance: salt tolerant and moderately drought tolerant

Foliage: yellow fall color

Characteristics: rugged grey flakey bark

Note: prefers moist, acid soil

Suggested Cultivars:

◆ Shingle Oak

Quercus imbricaria

Size: 60 feet tall, 60 feet wide

Habit: slow growing, pyramid to broad-rounded crown

Hardiness: zone 4 to 8

Tolerance: fairly tolerant of city conditions, tolerant of soil moisture, moderately salt tolerant

Foliage: leaves unfold a reddish color, mature to a lustrous dark green, fall color is yellow to brownish red

Characteristics: oblong leaves often persist through winter, acorns mature second year

Note: fairly easy to transplant

Suggested Cultivars:

◆ Northern Red Oak

Quercus rubra

Size: 75 feet tall, 60 feet wide

Habit: fast growing, round-topped symmetrical crown

Hardiness: zone 3 to 7

Tolerance: moderately drought tolerant, salt tolerant, very urban tolerant

Foliage: pinkish leaves mature to lustrous dark green and turn bright red in the fall

Characteristics: bark has distinct flat gray areas intermingled with ridges and furrows

Note: easy to transplant

Suggested Cultivars:

◆ Shumard Oak

Quercus shumardii

Size: 60 feet tall, 60 feet wide

Habit: pyramid tree becomes more spreading with age

Hardiness: zone 5 to 9

Tolerance: drought tolerant and moderately salt tolerant

Foliage: leaves turn russet red in the fall

Characteristics: acorn is striated with brown-black lines

Note: easy to transplant

Suggested Cultivars:

❖ Height of 30 feet or less:

◆ Hedge Maple

Acer campestre

Size: 30 feet tall, 30 feet wide

Habit: dense, broad spreading, low branching

Hardiness: zone 5 to 7

Tolerance: tolerant of urban conditions, heat and drought

Foliage: rounded 5 lobed leaves turn green to golden yellow in the fall (subdued)

Characteristics: very hardy, pest free, tolerant of severe pruning

Note:

Suggested Cultivars: 'Queen Elizabeth'

◆ Autumn Brilliance Serviceberry

Amelanchier laevis

Size: 25 feet tall, 15 feet wide

Habit: multi-stemmed shrub or small tree

Hardiness: zone 4 to 8

Tolerance: less salt tolerant, tolerant of soil compaction

Foliage: emerge bronze, mature to glossy green leaves turn clear yellow or red (subdued)

Characteristics: small white flowers, berries turn magenta to purple

Note: choose single trunk varieties

Suggested Cultivars:

- ◆ **American Hornbeam**

Carpinus caroliniana

Size: 20 feet tall, 35 feet wide

Habit: small to medium tree with a wide spreading irregular crown

Hardiness: zone 3b to 9

Tolerance: sensitive to drought and soil compaction, poor salt tolerance, frost resistant

Foliage: dark lustrous green foliage turns orange, red in the fall

Characteristics: irregularly fluted, slate gray trunk, winged nuts provide food source for wildlife

Note:

Suggested Cultivars:

- ◆ **Cockspur Hawthorn (thornless)**

Crataegus crus-galli var. *inermis*

Size: 30 feet tall, 35 feet wide

Habit: rounded, low, dense branching

Hardiness: zone 4 to 6

Tolerance: high tolerance to salt and urban stresses

Foliage: lustrous, dark green leaves turn bronze-red to purplish red in the fall

Characteristics: white, stinky flowers, fruit persists into late fall, severely affected by pests

Note:

Suggested Cultivars:

- ◆ **Japanese Tree Lilac**

Syringa reticulata

Size: 25 feet tall, 20 feet wide

Habit: stiff branches develop an oval to round crown

Hardiness: zone 3 to 7

Tolerance: very tolerant of urban conditions

Foliage: simple dark green leaves appear early, no significant fall color

Characteristics: attractive creamy white, fragrant flowers emerge in late spring

Note:

Suggested Cultivars: 'Ivory Silk'

- ◆ **European Hornbeam**

Carpinus betulus

Size: 30 feet tall, 20 feet wide

Habit: upward branching and compact crown form

Hardiness: zone 5 to 8

Tolerance: suitable of urban conditions

Foliage: yellow-green to yellow in the fall

Characteristics: catkins with bracts

Note:

Suggested Cultivars: 'Frans Fontaine'

♦ **Black Locust**

Robinia pseudoacacia

Size: 30 feet tall, 20 feet wide

Habit: mostly upright and rounded crown

Hardiness: zone 3

Tolerance: suitable of urban conditions

Foliage: blue green to yellow in the fall

Characteristics: lavender flowers, very fragrant

Note:

Suggested Cultivars: 'Purple Robe'

♦ **Paper Bark Maple**

Acer griseum

Size: 15 feet tall, 15 feet wide

Habit: small rounded crown

Hardiness: zone 5

Tolerance: withstands urban conditions

Foliage: dark green, bronze to red in the fall

Characteristics: graceful tree with cinnamon colored bark

Note:

Suggested Cultivars: