

Illinois
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Illinois Native Tree & Shrub Sale

West Central Illinois
Master Naturalists

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Extension



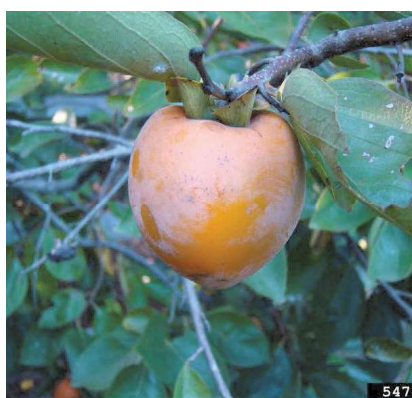
Persimmon

Diospyros virginiana

Medium Tree - Full sun/Part sun - Moist well drained soil



Credit: Chris Evans, Univ of Illinois



Credit: Rebekah D. Wallace, University of Georgia Bugwood.org

Plant Characteristics & Site Selection

- Height: 35-60'
- Width: 20-35'
- Light Requirements: Full to part sun
- Soil Requirements: Prefers moist well drained soil

Landscape Qualities & Care

- Flowers:
 - Urn-shaped with tips curved back, greenish-yellow to creamy white, fragrant
- Fruit:
 - Fruiting occurs on female trees
 - Edible
 - Fleshy orange-purple
 - Can be messy
- Bark: Distinctive square to rectangular blocks
- Fall Color: yellow to reddish-purple
- Potential Problems: None
- Tolerant: Alkaline soil, clay soil, Dry sites, Occasional drought
- Growth Habit: Tendency to sucker
- Beneficial to wildlife as a food source; browsers, game birds, insect pollinators, small mammals, songbirds



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White Oak

Quercus alba

Illinois State Tree - Full Sun - Moist well drained soil

Plant Characteristics & Site Selection

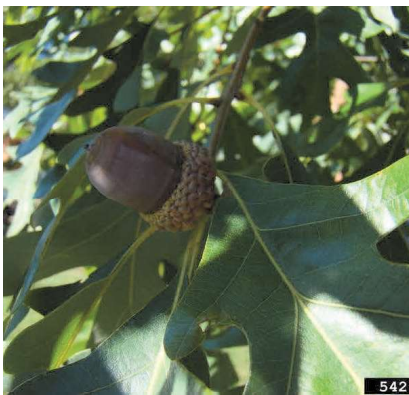
- Height: 50-75'
- Light Requirements: Full sun
- Soil Requirements: Prefers moist well drained soil; slightly acidic

Landscape Qualities & Care

- Flowers:
 - Insignificant with male catkins and small female flowers in leaf axils
- Fruit:
 - Acorn, shiny, oblong, 3/4" long, cap covers 1/4 or less with warty scales
- Fall Color: Purple, red
- Potential Problems: Chlorosis with high pH soil, oak wilt, drought, sensitive to root disturbance (digging) and herbicide drift
- Tolerant: Acidic soil, salt, wind
- Growth Habit: Pyramidal when young, with wide spreading branches at maturity
- Beneficial to wildlife as a food source for blue jays, woodpeckers, wood ducks, wild turkeys, northern bobwhite quail, squirrels, raccoons, deer. Provides nesting space for birds and mammals. Valuable host plant for pollinators.



Credit: Franklin Bonner, USFS, Bugwood.org



Credit: Chris Evans, University of Illinois, Bugwood.org



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Swamp White Oak

Quercus bicolor

Tree - Full sun - Medium to wet soil

Plant Characteristics & Site Selection

- Height: 50-70'
- Spread: 50-60'
- Light Requirements: Full sun
- Soil Requirements: Prefers medium to wet soil

Landscape Qualities & Care

- Flowers:
 - Insignificant with male catkins and small female flowers
- Fruit:
 - September-October; Acorns 3/4 to 2-1/2" long, light brown, cup covers 1/2 the nut
- Fall Color: Golden yellow to brown
- Potential Problems: Anthracnose, canker, leaf spot, rust, blight
- Tolerant: short flooding and drought periods; prefers acidic soil
- Growth Habit: Rounded crown but if has space to grow, will produce a broader form
- Beneficial to wildlife as a food source for blue jays, woodpeckers, wood ducks, wild turkeys, northern bobwhite quail, squirrels, raccoons, deer. Provides nesting space for birds and mammals. Valuable host plant for 518 pollinators.



Credit: Paul Wray, Iowa State University,
Bugwood.org



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Northern Red Oak

Quercus rubra

Tree - Full sun to part sun - Moist, well drained soil

Plant Characteristics & Site Selection

- Height: 60-75'
- Spread: 60-75'
- Light Requirements: Full sun to part sun
- Soil Requirements: Prefers moist well drained soil

Landscape Qualities & Care

- Planting site: City parkway, residential and parks, wide median
- Flowers: Inconspicuous
- Fruit: September-October; Acorns 3/4-1" long, medium brown, barrel-shaped, shiny, thin, flat cup covers 1/4 the nut, ripen in autumn of second year
- Fall Color: Russet red to bright red
- Potential Problems: Chlorosis in high pH soils; oak wilt; galls and mites
- Tolerant: Drought periods; clay soil; dry sites; black walnut toxicity
- Growth Habit: Rounded crown
- Beneficial to wildlife as a food source for blue jays, woodpeckers, wood ducks, wild turkeys, northern bobwhite quail, squirrels, raccoons, deer. Provides nesting space for birds and mammals. Valuable host plant for pollinators.



Credit: Dow Gardens, Dow Gardens, Bugwood.org



Credit: Paul Wray, Iowa State University, Bugwood.org



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Black Oak

Quercus velutina

Tree - Full sun to part sun - Dry, acid soil



Credit: Chris Evans, University of Illinois,
Bugwood.org

Plant Characteristics & Site Selection

- Height: 50-60'
- Spread: 40-70'
- Light Requirements: Full sun to part sun
- Soil Requirements: Prefers acid soil, dry soil

Landscape Qualities & Care

- Planting site: City parkway, residential and parks, wide median
- Flowers: Inconspicuous female; male hanging catkins
- Fruit: September-October; Acorns 1/2-3/4" long, with slightly fringed cup
- Fall Color: Yellow or yellow brown
- Potential Problems: Oak wilt; scale; two-lined chestnut borer, galls and mites common but not harmful
- Tolerant: Drought periods; dry sites; black walnut toxicity
- Growth Habit: Irregular or rounded crown
- Beneficial to wildlife as a food source for blue jays, woodpeckers, wood ducks, wild turkeys, northern bobwhite quail, squirrels, raccoons, deer. Provides nesting space for birds and mammals. Valuable host plant for pollinators.



Credit: Vern Wilkins, Indiana University,
Bugwood.org



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Bur Oak

Quercus macrocarpa

Tree - Full sun - Dry, alkaline to moist well-drained soil



Credit: Vern Wilkins, Indiana University, Bugwood.org



Credit: Johnny N. Dell, Bugwood.org

Plant Characteristics & Site Selection

- Height: 70-80'
- Spread: 70-80'
- Light Requirements: Full sun
- Soil Requirements: Dry, alkaline to moist well-drained soil

Landscape Qualities & Care

- Planting site: City parkway, residential and parks, wide median
- Flowers: Inconspicuous female; male hanging catkins
- Fruit: September-October; Acorns large acorns with 2" diameter, with fringed cup
- Fall Color: Yellow brown
- Potential Problems: Oak wilt; leaf galls and kermes scale; anthracnose; leaf scorch; powdery mildew
- Tolerant: Drought periods; dry sites; alkaline soil, clay soil
- Growth Habit: Irregular or rounded crown
- Beneficial to wildlife as a food source for blue jays, woodpeckers, wood ducks, wild turkeys, northern bobwhite quail, squirrels, raccoons, deer. Provides nesting space for birds and mammals. Valuable host plant for pollinators.



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Pecan

Carya illinoensis

Tree - Full sun - Moist well-drained to wet soil

Plant Characteristics & Site Selection

- Height: 70-100'
- Spread: 40-75'
- Light Requirements: Full sun
- Soil Requirements: Moist well-drained to wet soil

Landscape Qualities & Care

- Planting site: City parkway, residential and parks, wide median
- Flowers:
 - Inconspicuous
- Fruit:
 - Cylindrical, thin-winged husks reveal 2" long edible pecans
- Fall Color: Yellow
- Potential Problems: None
- Tolerant: Sensitive to drought; tolerant of wet sites
- Growth Habit: Oval
- Beneficial to wildlife as a food source for larger birds, wild turkeys, squirrels, raccoons, deer. Provides nesting space for birds and mammals. Valuable host plant for pollinators.



Credit: T. Davis Sydnor, The Ohio State University, Bugwood.org



Credit: Jerry A. Payne, USDA Agricultural Research Service, Bugwood.org



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Black Walnut

Juglans nigra

Tree - Full sun - Medium soil

Plant Characteristics & Site Selection

- Height: 50-100'
- Spread: 30-50'
- Light Requirements: Full sun
- Soil Requirements: Medium

Landscape Qualities & Care

- Planting site: City parkway, residential and parks, wide median, black walnut releases a chemical that can be toxic to other plants
- Flowers: Inconspicuous
- Fruit: Yellow-green, rounded husk 2" in diameter, contains edible nut
- Fall Color: Yellow
- Potential Problems: Target of walnut and yellow leaf caterpillars; anthracnose
- Tolerant: Soils with high pH, clay soil, road salt
- Growth Habit: Round
- Beneficial to wildlife as a food source for mice, squirrels, raccoons, deer. Provides nesting space for birds and mammals. Valuable host plant for 123 pollinators.



Credit: Robert Vidéki, Doronicum Kft., Bugwood.org



Credit: Paul Wray, Iowa State University, Bugwood.org



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Tulip Tree

Liriodendron tulipifera

Tree - Part/Full sun - Moist, well-drained soil



Credit: Paul Wray, Iowa State University,
Bugwood.org



Credit: US Forest Service, Bugwood.org

Plant Characteristics & Site Selection

- Height: 70-100'
- Spread: 35-50'
- Light Requirements: Part to Full sun
- Soil Requirements: Moist, well drained

Landscape Qualities & Care

- Planting site: City parkway, residential and parks, wide median
- Flowers: Showy, tulip-like flowers; yellow/orange; May, June
- Fruit: 2" long cone-shaped aggregate of winged seeds
- Fall Color: Yellow
- Potential Problems: Aphids, scale, verticillium wilt; susceptible to ice damage
- Tolerant: Soils with high pH
- Growth Habit: Somewhat fast growth rate; straight trunk; oval or rounded shape
- Beneficial to wildlife as a food source for birds, squirrels and small rodents. Leaves eaten by deer and rabbits. Provides nesting space for birds and mammals. Valuable host plant for 19 pollinators - bees, flies, beetles. Nectar source for bees.



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Flowering Dogwood

Cornus florida

Small tree - Part/Full sun - Medium soil



Plant Characteristics & Site Selection

- Height: 15-40'
- Spread: 15-30'
- Light Requirements: Part to Full sun
- Soil Requirements: Medium, acidic soil

Landscape Qualities & Care

- Planting site: City parkway, residential and parks
- Flowers: Showy, white flowers; March-May
- Fruit: Clusters of bright red berries; July - Aug
- Fall Color: Bright red to maroon
- Potential Problems: Anthracnose
- Tolerant: Not tolerant of pollution and salt or wind; mulch helps to regulate temperature fluctuations
- Growth Habit: Broad to round with flat tops
- Beneficial to wildlife as a food source for birds, squirrels, deer and wild turkeys. Provides nesting space for birds and mammals. Valuable host plant for 115 pollinators - bees, flies.



Credit: John Ruter, University of Georgia,
Bugwood.org



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Eastern Redbud

Cercis canadensis

Small tree - Part shade/Full sun - Medium soil



Credit: Dow Gardens , Dow Gardens,
Bugwood.org



Credit: Paul Wray, Iowa State University,
Bugwood.org

Plant Characteristics & Site Selection

- Height: 20-30'
- Spread: 25-35'
- Light Requirements: Part shade to Full sun
- Soil Requirements: Medium

Landscape Qualities & Care

- Planting site: Residential and parks
- Flowers: Pink, purple small clusters of pea-like blossoms; early May
- Fruit: 2" long pea pod; turn reddish-green to brown
- Fall Color: Yellow to yellow-green
- Potential Problems: Suffers in full sun or extreme heat; susceptible to borers, canker diseases, verticillium wilt
- Tolerant: Moderately drought tolerant; alkaline soil; clay soil
- Growth Habit: Irregular, multi-stemmed, round
- Beneficial to wildlife as a food source for birds. Leaves eaten by deer. Provides nesting space for birds and mammals. Valuable host plant for 19 pollinators. Nectar source for bees.



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Downy Serviceberry

Amelanchier arborea

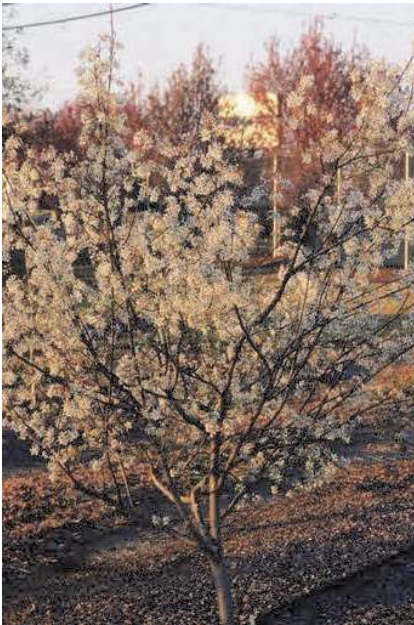
Small Tree - Part shade/Full sun - Moist, well drained

Plant Characteristics & Site Selection

- Height: 20-30'
- Spread: 25-35'
- Light Requirements: Part shade to Full sun
- Soil Requirements: Moist, well drained

Landscape Qualities & Care

- Planting site: Residential and parks, under powerlines, wide median
- Flowers: White strap-shaped petals in spring
- Fruit: Edible berry turning from green to red to blue/black
- Fall Color: Red, yellow and orange
- Potential Problems: Drought can cause leaf drop
- Tolerant: Wet and dry sites, acid soil; intolerant of pollution
- Growth Habit: Narrow, multi-stemmed
- Berries are a food source for birds and mammals; early bloom provides early nectar sources for pollinators.



Credit: John Ruter, University of Georgia, Bugwood.org



Credit: T. Davis Sydnor, The Ohio State University, Bugwood.org



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Buttonbush

Cephalanthus occidentalis

Large shrub - Part shade/Full sun - Medium to wet soil

Plant Characteristics & Site Selection

- Height: 5-12'
- Spread: 4-8'
- Light Requirements: Part shade to Full sun
- Soil Requirements: Medium to wet soil

Landscape Qualities & Care

- Flowers: White 1" round ball-like clusters
- Fruit: Hard ball-like, reddish
- Fall Color: Yellow
- Potential Problems: Does not like dry soil
- Tolerant: Wet and dry sites, acid soil; intolerant of pollution
- Growth Habit: Arching, irregular, upright; can prune to maintain shape
- Nectar source attracting hummingbirds and many other pollinators - bees, moths, wasps, flies, beetles, butterflies, caterpillars. Attracts many species of birds.



Credit: Ryan Armbrust, Kansas Forest Service, Bugwood.org



Credit: John D. Byrd, Mississippi State University, Bugwood.org



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Fragrant Sumac

Rhus aromatica

Small shrub - Part shade/Full sun - All soil types

Plant Characteristics & Site Selection

- Height: 3-5'
- Spread: 5-10'
- Light Requirements: Part shade to Full sun
- Soil Requirements: All soil types

Landscape Qualities & Care

- Flowers: Inconspicuous clusters
- Fruit: Female plants produce fuzzy red berry clusters
- Fall Color: Red, burgundy, purple
- Potential Problems: Susceptible to verticillium wilt
- Tolerant: Road salt, occasional drought
- Growth Habit: Creeping, mounded, multi-stemmed, thicket forming
- Berries persist into winter to attract birds; leaves emit lemon scent when crushed
- Considerations: Can grow through suckers; prune old canes to ground in late winter to encourage new growth



Credit: Missouri Dept of Conservation



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Black Chokeberry

Aronia melanocarpa

Small shrub - Part shade/Full sun - Medium to wet soil

Plant Characteristics & Site Selection

- Height: 3-6'
- Spread: 3-6'
- Light Requirements: Part shade to Full sun
- Soil Requirements: Medium to wet

Landscape Qualities & Care

- Flowers: Small clusters of white flowers in spring
- Fruit: Purplish black berry-like fruit
- Fall Color: Deep mahogany red
- Potential Problems: No major issues
- Tolerant: Occasional drought or flooding; road salt
- Growth Habit: Multi-stemmed, thicket forming
- Berries are eaten by many bird species;
- Considerations: Can grow through suckers; prune to maintain size



Credit: John Ruter, University of Georgia,
Bugwood.org



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