

# TREE PROGRAM



CHAMPAIGN  
PARK DISTRICT

## SPRING SPECIES LIST

### ■ DECIDUOUS TREES

#### **Sugar Maple** *Acer saccharum*

Large shade tree with lobed leaves and excellent yellow-orange fall color. Maple syrup is made from its sap. A tree of mature forests, it should not be planted in exposed sites. Shade tolerant, not pH sensitive. Native to Champaign County.

#### **Norway Maple** *Acer platanoides* 'Crimson King'

Large shade tree with dark red summer foliage. It grows well in a variety of sites. It is exotic, but produces almost no viable seed, and is not considered invasive.

#### **Red Maple** *Acer rubrum*

Large shade tree with excellent red fall color, tolerant of compacted, soggy sites. Native to USA.

#### **Marmo Maple** *Acer x freemanii* 'Marmo'

Male shade tree released by Morton Arboretum. Good (red) fall color, fast growth, fairly strong wood. A hybrid between Red and Silver Maple, both parents native to USA.

#### **River Birch** *Betula nigra*

Graceful shade tree with exfoliating cinnamon colored bark. Heat tolerant, resistant to bronze birch borer. Floodplain tree, needs full sun, not drought tolerant, grows best in moist/wet sites. Native to Southern Illinois.

#### **Northern Catalpa** *Catalpa speciosa*

Large, formal tree with heart shaped leaves and large clusters of flowers in early summer. Tough tree, tolerant of pH and poor soil quality. Can be messy, not for areas next to walks or water features. Native to Illinois.

#### **Hackberry** *Celtis occidentalis*

A big tough shade tree found in floodplain forests. It has interesting bark and fruit for birds. Full sun, tolerates exposed sites, varied soil conditions, range of soil pH. Native to Illinois.

#### **Yellowwood** *Cladrastis kentukea*

Shade tree with showy white flowers, smooth gray bark, leaves turn yellow in fall. Sun or shade, not pH sensitive. Native to southern Illinois.

#### **American Beech** *Fagus grandifolia*

Shade tree with beautiful smooth gray bark, yellow-gold fall color, Grows in mature mesic forest. Partial - full shade. Avoid exposed sites, compacted, soggy, high pH soil. Native to Illinois.

#### **Ginkgo** (Male Only) *Ginkgo biloba*

A shade tree of ancient lineage, very few problems. Clear yellow fall color, leaves often drop almost simultaneously after first frost. Full sun. Exotic, not listed as invasive.

#### **Kentucky Coffeetree** *Gymnocladus dioica*

Striking, picturesque shade tree with very large compound leaves. Full sun, tolerant of poor, compacted soils and a range of pH conditions. Young trees don't have many branches. Native to Illinois.

#### **Sweet Gum** *Liquidambar styraciflua*

Shade tree with lobed leaves and excellent, long lasting fall color. 'Rotundiloba' is a male clone - no spiky fruit under the tree. Bottomland forest tree. Full sun, avoid high pH sites. Native to southern Illinois.

#### **Tulip Tree** *Liriodendron tulipifera*

A formal, symmetrical shade tree, with lobed leaves and green/orange tulip-shaped flowers. Native to cove forests. Full sun, pH adaptable, not drought/flood tolerant. Native to Southeastern Illinois.

#### **Dawn Redwood** *Metasequoia glyptostroboides*

Large deciduous conifer with delicate foliage, tawny-orange fall color. Does best in moist, well drained sites, needs full sun. Exotic, not listed as invasive.

#### **Black Tupelo** *Nyssa sylvatica*

A picturesque, densely branched, shade tree with glossy leaves and intense red-orange fall color. Full sun - partial shade, moist to average soil, intolerant of high pH soil. Native to southeastern Illinois.

#### **White Oak** *Quercus alba*

Majestic shade tree with pale bark, wine red fall color. Found in mesic forest. Full sun to part shade, good drainage, no site disturbance. Native to Illinois - official state tree.

#### **Swamp White Oak** *Quercus bicolor*

Shade tree with yellow fall color. Full sun, moist/poorly drained sites, not especially drought tolerant. Native to Illinois.

#### **Scarlet Oak** *Quercus coccinea*

Shade tree with brilliant red fall color. Full sun, minimal site traffic. Native to southern Illinois.

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## ■ DECIDUOUS TREES (CONTINUED)

### **Shingle Oak** *Quercus imbrecaria*

Shade tree, an oak with unlobed leaves which may remain on the tree all winter. Often found in bottomland forest, disturbed sites. Full sun, moist, slightly acidic soil. Native to Illinois.

### **Bur Oak** *Quercus macrocarpa*

Picturesque, fire tolerant savanna oak. Full sun, exposed site. Tolerates range of soil moisture, pH. Corky bark provides some insulation during prairie burns. Large acorns can be a problem in high traffic areas. Native to Illinois.

### **Northern Red Oak** *Quercus rubra*

A fast growing, "easily" transplanted, urban tolerant oak. Forest tree, shade tolerant, for an oak. Full sun to part shade, slightly acidic, moist soil. Native to Illinois.

### **English Oak** *Quercus robur fastigiata*

A columnar European oak, foliage is blue-green in summer, does not color in fall. This oak does best in full sun, planted in moist, well drained soil. Exotic, not listed as invasive.

### **Black Oak** *Quercus velutina*

The other savanna oak. A tough, deep rooted, drought tolerant shade tree, for sunny, exposed sites. Native to Illinois.

### **Basswood** *Tilia americana*

A large shade tree with big, heart shaped leaves and fragrant flowers. Tough tree, Sun - part shade, pH adaptable. Basswood is native to Illinois.

### **Glenleven Linden** *Tilia cordata 'Glenleven'*

A shade tree with small, heart shaped leaves and fragrant flowers in early summer. Glenleven Linden is fast growing, and not as densely branched as the species. Full sun, moist, well drained soil. Exotic, not listed as invasive.

### **Hybrid Elm** *Ulmus x hybrida*

These large, fast growing shade trees were developed as replacements for the American Elm. Full sun, grows well on most soils, a good choice for new developments. Exotic, not considered invasive.

- 'Frontier' Vase shaped, disease resistant, red-purple fall color
- 'Pioneer' Yellow fall color, disease resistant
- 'Patriot' Narrow, vase shaped, disease resistant, yellow fall color

## ■ SMALL DECIDUOUS TREES

### **Flowering Dogwood** *Cornus florida*

A small flowering tree with showy spring "flowers", (technically bracts subtending the inflorescences), deep red fall color and showy red fruit for migrating birds. Dogwood is an understory forest tree, which needs a sheltered location and slightly acid soil. It is not drought tolerant. Native to southern and central Illinois

### **Eastern Redbud** *Cercis canadensis*

A small flowering tree with purple, pink or white flowers and heart-shaped leaves that turn gold in the fall. Often develops a picturesque form. An understory forest tree. Moist, well drained soil, sun to shade, not drought tolerant. Native to Illinois.

### **Japanese Tree Lilac** *Syringa reticulata*

A small formal flowering tree with showy white clusters of flowers at the tips of branches. The flowers are not "lilac scented". Soil pH adaptable, full sun for best flowering. Exotic, not for forest or floodplain areas.

### **American Hornbeam** *Carpinus caroliniana*

A small tree with smooth gray, ridged bark, often called Musclewood. Leaves turn red or orange in fall. A riverbottom forest tree. Shade, can tolerate full sun, adapts to a range of soil conditions as long as moisture is sufficient. Native to Illinois.

## ■ EVERGREEN TREES

### **Concolor Fir** *Abies concolor*

A conifer with silvery green fragrant soft needles. Concolor fir is the best fir for the Midwest. Full sun, moist well drained soil. Native to New England, Western USA.

### **Norway Spruce** *Picea abies*

A big, reliable evergreen, with dark green needles. It often has drooping branches, which help to shed snow and ice. Full sun, moist, slightly acidic soil, does well in exposed sites. Exotic, not listed as invasive.

### **Black Hills Spruce** *Picea glauca*

An evergreen conifer, smaller and denser than White Spruce. Full sun, moist, slightly acidic soil. Native to northern USA.

### **Serbian Spruce** *Picea omorica*

An evergreen conifer that has dark green needles with showy white undersides. Adaptable, tolerates some shade, pH tolerant. Exotic, not listed as invasive.

### **Eastern White Pine** *Pinus strobus*

Large, picturesque, elegant native pine. Full sun, well drained soil. Native to northern Illinois.

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