



November 2 Giveaway Species Chart

Common Name	Height / Width	Shape	Light / Sun Preference	Soil & Moisture Preference	Size
American Elm	50-70' height, 30-50' width	Arching, Vase	Full sun to part shade - at least 6 hours sun	Clay, Loam (Silt) or Sand. Moist, well drained, but can tolerate some moderate drought and flood	3 gal
American Holly 'Satyr Hill'	20-30' height, 15-20' wide	Upright pyramid	Full sun, partial sun.	Best planted in moist, slightly acidic well-drained soils.	3 gal
Bracken's Brown Beauty Magnolia	20-30' height, 15-25' width	Pyramidal to Oval.	Full Sun, Partial Sun/Shade.	Loamy, Moist, Rich, Well Drained.	3 gal
Little Gem Magnolia	15-20' height, 7-10' width	Pyramidal	Full Sun, Partial Sun/Shade.	Acidic, Clay, Drought, Loamy, Moist, Sandy, Well Drained.	3 gal
Nuttall Oak	40-80' height, 30-60' width	Arching, Vase	Full sun to part shade - at least 6 hours sun	Clay, Loam (Silt) or Sand. Moist, well drained, but can tolerate some moderate drought and flood.	3 & 5 gal
Overcup Oak	35-60' height, 35-60' width	Broad and rounded	Full sun (6 or more hours of direct sunlight a day) or Partial Shade (Direct sunlight only part of the day, 2-6 hours).	Clay, loam. Good Drainage, Moist, occasional flooding or standing water.	5 gal
Swamp White Oak	50-60' height, 50-60' width	Pyramid shape when young - broad oval with age, short trunk	Full sun	Clay, loam, sand, high organic matter, acidic	5 gal
Willow Oak	30-50' height, 20-40' width	Oval to round.	Full sun	Acidic, average, medium to wet, well-drained soils.	3 gal
Armstrong Red Maple	50-60' height, 15-25' width	Columnar, upright.	Full sun to part shade - at least 6 hours sun.	Tolerant of most soil types (loam, sand, clay). Moist, well drained, but can tolerate some moderate drought and flood.	3 gal
Brandywine Red Maple	25-35' height, 15-25' width	Oval, Rounded, Upright or Erect.	Full sun to part shade - at least 6 hours sun.	Tolerant of most soil types (loam, sand, clay). Moist, well drained, but can tolerate some moderate drought and flood.	3 gal
October Glory Maple	40-50' height, 25-35' width	Round	Sun or part shade- at least 4 hours of direct sun a day	Tolerant of most soil types, prefers slightly acid. Prefers moist, well drained soil.	3 gal
Dura Heat River Birch	30-40' height, 25-35' width	Oval	Full sun, partial sun/shade.	Acidic, Clay, Drought, Loamy, Moist, Sandy, Well Drained, Wet.	5 gal
Serviceberry	15-30' height, 25-30' width	Round, sometimes multi-stemmed and shrubby	Full sun to part shade – at least 6 hours direct sun.	Clay, loam or silt, sand, slightly acidic. Prefers moist well drained.	3 gal



Princeton Elm

Ulmus americana 'Princeton'



Leaf
Spring/Summer



Leaf
Autumn

The Princeton elm is a fast-growing shade tree that provides brilliant yellow and gold leaves in the fall, is tolerant of many site conditions, and has good resistance to the Dutch elm disease.

Height: 50-70'

Width: 30-50'

Shape: Arching, Vase

Growth Speed: Fast

Light or Sun Preference: Full sun to part shade - at least 6 hours sun.

Moisture & Soil Preference: Clay, Loam (Silt) or Sand. Moist, well drained, but can tolerate some moderate drought and flood.

Wildlife Value: Attracts butterflies, pollinators, small mammals and songbirds. It is valuable to wildlife as a food source, nesting site, and habitat.

More Information: <https://plants.ces.ncsu.edu>
(search "Ulmus americana")





American Holly

Ilex opaca 'Satyr Hill'



Leaf

Spring/Summer



Leaf

Autumn

'Satyr Hill' American Holly is considered by the American Holly Society to be one of the best female forms, for both foliage and fruit. It produces large red berries in October that remain through the winter.

Height: 20-30'

Width: 15-20'

Shape: Upright pyramid

Growth Speed: Moderate

Light or Sun Preference: Full sun, partial sun.

Moisture & Soil Preference: Best planted in moist, slightly acidic well-drained soils.

Wildlife Value: Berries provide winter interest, high quality food, shelter and nesting habitat for birds.

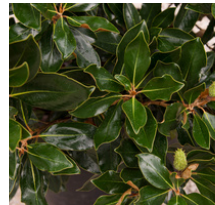
More Information: <https://plants.ces.ncsu.edu>
(search "Ilex opaca")





Magnolia Bracken's Brown Beauty

Magnolia grandiflora
'Bracken's Brown Beauty'



Leaf



Flower

Bracken's Brown Beauty is considered to be one of the best Southern Magnolia cultivars. Relatively compact and small, leaves, flowers, and fruits are all approximately half the size of the species. It has lustrous dark green foliage with 5-6" creamy white flowers. It is a little bigger than the 'Little Gem' Magnolia.

Height: 20-30'

Width: 15-25'

Shape: Pyramidal to Oval

Growth Speed: Moderate

Light or Sun Preference: Full sun, partial sun/shade.

Moisture & Soil Preference: Loamy, moist, rich, well drained.

Wildlife Value: Its seeds are eaten by birds and small mammals and it attracts pollinators. Provides winter and severe weather cover.

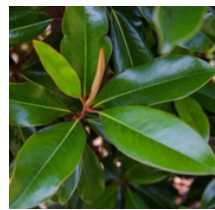
More Information: <https://plants.ces.ncsu.edu>
(search "Magnolia grandiflora")





Magnolia Little Gem

Magnolia grandiflora 'Little Gem'



Leaf



Flower

'Little Gem' is a much smaller (dwarf) and slower-growing cultivar of the Southern magnolia. It typically grows as a compact, upright, multi-stemmed shrub or small tree to 20' tall over the first 20 years. It produces fragrant, white 4" flowers from mid-spring to summer with heavy blooming in early years of growth. It is smaller than the Bracken's Beauty.

Height: 15-20'

Width: 7-10'

Shape: Pyramidal

Growth Speed: Slow

Light or Sun Preference: Full sun, partial sun/shade.

Moisture & Soil Preference: Very adaptable, acidic, clay, drought, loamy, moist, sandy, well drained.

Wildlife Value: The fruit attracts birds.

More Information: <https://plants.ces.ncsu.edu>
(search "Magnolia grandiflora")





Nuttall Oak

Quercus texana



Leaf
Spring/Summer



Leaf
Autumn

The Nuttall Oak is a large deciduous shade tree with leaves with sharp pointed lobes that provide rich, red-orange fall color. This species was for years erroneously called *Quercus nuttalli*.

Height: 40-80'

Width: 30-60'

Shape: Arching, Vase

Growth Speed: Fast

Light or Sun Preference: Full sun to part shade - at least 6 hours sun.

Moisture & Soil Preference: Clay, loam, silt or sandy soil. Moist and well drained, but can tolerate some moderate drought and flood.

Wildlife Value: Attracts butterflies, pollinators, small mammals and songbirds.

More Information: <https://plants.ces.ncsu.edu>
(search "Quercus texana")





Overcup Oak

Quercus lyrata



Leaf
Spring/Summer



Leaf
Autumn

The Overcup oak gets its common name from the distinctive bur-like acorn cup that typically encloses 2/3 to almost all of the nut. It is a deciduous shade tree with fall colors that vary from yellow or brown to red.

Height: 35-60'

Width: 35-60'

Shape: Broad and rounded

Growth Speed: Fast

Light or Sun Preference: Full sun (6 or more hours of direct sunlight a day) or Partial Shade (direct sunlight only part of the day, 2-6 hours).

Moisture & Soil Preference: Clay and loam soil with good drainage, moist, and occasional flooding or standing water.

Wildlife Value: The acorns mature over 2 seasons and attract birds and small mammals and the tree is a larval host plant for moths and butterflies - an excellent choice for a specimen or shade tree in a wildlife garden.

More Information: <https://plants.ces.ncsu.edu>
(search "Quercus lyrata")





Swamp White Oak

Quercus bicolor



Leaf
Spring/Summer



Leaf
Autumn

The Swamp White Oak is found growing wild in low-lying and swampy areas like bottomlands or river banks. It can also grow just as well in an urban or suburban setting, with tolerance to compacted soil and drought. This tree is a great choice for shade and can live more than 300 years. Flowering occurs in the spring in the form of catkins and short spikes. Brown acorns appear in the fall.

Height: 50-60'

Width: 50-60'

Shape: Oval with age, short trunk

Growth Speed: Moderate

Light or Sun Preference: Full sun (6 or more hours of direct sunlight a day).

Moisture & Soil Preference: Clay, loam, sandy, high organic matter, or acidic soil that is moisture level adaptable.

Wildlife Value: This oak species attracts a variety of birds. It also hosts the larvae of the Imperial moth as well as a wide variety of butterflies.

More Information: <https://plants.ces.ncsu.edu>
(search "Quercus bicolor")



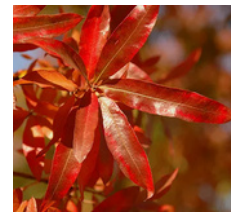


Willow Oak

Quercus phellos



Leaf
Spring/Summer



Leaf
Autumn

The Willow Oak is named for its willow-like leaves and because of its striking appearance is often planted along streets and in parks. It turns shades of yellow, bronze-orange, yellow-brown and russet-red in the fall.

Height: 30-50'

Width: 20-40'

Shape: Oval to round

Growth Speed: Moderate

Light or Sun Preference: Full sun (6 or more hours of direct sunlight a day).

Moisture & Soil Preference: Acidic, average, medium to wet, and well-drained soils.

Wildlife Value: High-value wildlife tree for birds and mammals and hosts the larvae of the Imperial moth as well as numerous butterflies.

More Information: <https://plants.ces.ncsu.edu>
(search "Quercus phellos")



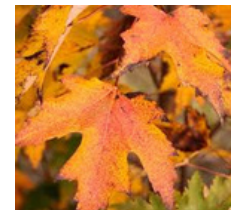


Armstrong Red Maple

Acer rubrum 'Armstrong'



Leaf
Spring/Summer



Leaf
Autumn

The Armstrong Red Maple's upward sweeping branches are tightly covered with medium-deep green summer leaves that transition to a warm golden-orange in autumn. The Armstrong red maple is ideal for smaller yards or tight spaces due to its upright, narrow columnar growth shape.

Height: 50-60'

Width: 15-25'

Shape: Columnar, upright

Growth Speed: Fast

Light or Sun Preference: Sun or part shade- at least 4 hours of direct sun a day.

Moisture & Soil Preference: Tolerant of most soil types (loam, sand, clay), but can tolerate some moderate drought and flood.

Wildlife Value: The seeds of red maple are quite popular with squirrels and birds.

More Information: <https://plants.ces.ncsu.edu>
(search "Acer rubrum")





Brandywine Maple

Acer rubrum 'Brandywine'



Leaf
Spring/Summer



Leaf
Autumn

The Brandywine Maple produces bright red fall foliage that turns purple-red later in the season. It's also smaller than most maples making it a great choice for sites with limited space.

Height: 25-35'

Width: 15-25'

Shape: Oval, rounded

Growth Speed: Fast

Light or Sun Preference: Full sun to part shade - at least 6 hours sun.

Moisture & Soil Preference: Tolerant of most soil types (loam, sand, clay), but can tolerate some moderate drought and flood.

Wildlife Value: The seeds of red maples are quite popular with squirrels and birds.

More Information: <https://plants.ces.ncsu.edu>
(search "Acer rubrum")





October Glory Maple

Acer rubrum 'October Glory'



Leaf
Spring/Summer



Leaf
Autumn

The tree's foliage turns a brilliant orange and red hue in late autumn and produces tiny red blooms in the spring.

Height: 40-50'

Width: 25-35'

Shape: Round

Growth Speed: Grows medium/fast -13-24 inches a year.

Light or Sun Preference: Sun or part shade- at least 4 hours of direct sun a day.

Moisture & Soil Preference: Tolerant of most soil types, prefers slightly acid.

Wildlife Value: The showy, red-tinged fruits attract many types of birds and other wildlife.

More Information: <https://plants.ces.ncsu.edu>
(search "acer rubrum")





Dura Heat River Birch

Betula nigra 'BNMTF' Dura-heat



Leaf
Spring/Summer



Leaf
Autumn

The Dura Heat River Birch has curling bark and its spreading limbs provide excellent shade. This resilient variety was developed to have resistance to heat, drought, and disease.

Height: 30-40'

Width: 25-35'

Shape: Oval

Growth Speed: Moderate-Fast

Light or Sun Preference: Full sun, partial sun/shade.

Moisture & Soil Preference: Tolerant of most soil types, prefers acidic, clay, drought, loamy, moist, sandy that are well drained and wet.

Wildlife Value: High value tree to attract pollinators.

More Information: <https://plants.ces.ncsu.edu>
(search "Betula nigra")



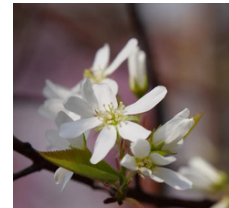


Serviceberry

Amelanchier x grandiflora 'Autumn Brilliance'



Leaf
Berries



Flower

The Autumn Brilliance Serviceberry is a smaller tree that blooms fragrant white flowers in the spring with edible blueberry-like fruits emerging in the summer. There are numerous recipes on the internet for serviceberry cakes, pies, muffins, and ice cream (can often be substituted for blueberries). In the fall, serviceberry leaves turn a brilliant orange and red.

Height: 15-30' **Width:** 25-30' **Shape:** Round, multi-stemmed and shrubby

Growth Speed: Fast

Light or Sun Preference: Full sun to part shade – at least 6 hours direct sun.

Moisture & Soil Preference: Clay, loam or silt, sand, slightly acidic soils that is moist and well drained.

Wildlife Value: Its fruit is loved by birds.

More Information: <https://plants.ces.ncsu.edu>
(search "Amelanchier")

