

# American Elm (*Ulmus americana*)

## TREE APPEARANCE

**Type:** deciduous

**Form:** vase-shaped

**Mature height:** 50 - 70 feet

**Spread:** 30 - 60 feet

**Flowers:** Small, rust-red colored flowers in drooping clusters of 3 to 5

**Fall color:** yellow, with variation in intensity

**Fruit:** small seeds hang in papery sacs in clusters

**Growth rate:** moderate to fast

## CULTURE

**Soil:** average soil; tolerant of extended flooding, drought, compaction

**Light:** full sun to part shade

## NOTES

This majestic tree used to line the streets of many American cities, including Washington D.C. Unfortunately, Dutch Elm Disease has destroyed the majority of Elms in the U.S. We plant disease-resistant hybrid varieties, such as "Valley Forge," to restore this magnificent tree in our landscapes. The Elm lives from 175 to 300 years.

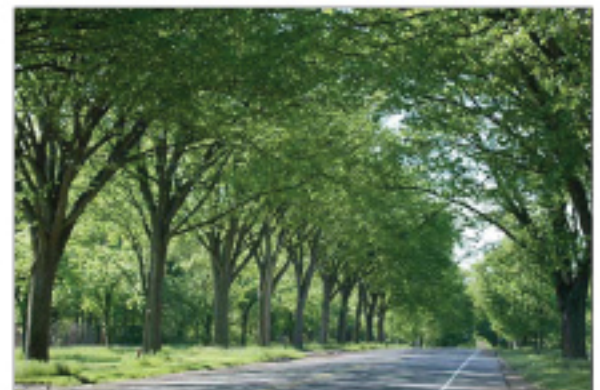


**Fall Color**



**Elm Fruit**

**Elm Flowers**



**Elm Tree Lined Street**

# American Holly (*Ilex opaca*)

## TREE APPEARANCE

**Type:** broad-leaf evergreen

**Form:** pyramidal

**Mature height:** 35 - 50 feet

**Spread:** 40 - 60 feet

**Flowers:** small, white flowers; female flowers are fragrant

**Fruit:** red berries that mature in October and persist through winter on pollinated female trees

**Growth rate:** slow to moderate

## CULTURE

**Soil:** moist to average soil; can tolerate occasionally wet soils

**Light:** full sun to full shade

## NOTES

Useful as an evergreen screen or specimen plant; fruit attractive to wildlife; lifespan of 100 - 150 years; Need male tree near female tree to pollinate it for berries



Fragrant Female Flower



Berries on Female



# American Hornbeam (*Carpinus caroliniana*)

## TREE APPEARANCE

**Form:** rounded to broad spreading, may be multistemmed

**Mature height:** 20 - 30 feet

**Spread:** 20 - 30 feet

**Flowers:** catkins hang on leafed-out tree in April

**Fall color:** variation in color, from yellow to orange to red

**Fruit:** small nuts hang in papery sacs in clusters

**Growth rate:** slow



## CULTURE

**Soil:** moist to average soil; tolerates moderate drought and occasional wet soil

**Light:** sun to full shade

## NOTES

Sometimes called Ironwood or Musclewood for its unusually hard wood; does well in shade; tolerant of air pollution



**Fall Color**



**Fall Fruit**



**Spring Catkins**





# Bald Cypress (*Taxodium distichum*)

## TREE APPEARANCE

**Type:** deciduous conifer

**Form:** pyramidal

**Mature height:** 50 - 70 feet

**Spread:** 20 - 30 feet

**Flowers:** nonflowering

**Fall color:** copper to brown

**Fruit:** round, small cones

**Growth rate:** moderate

## CULTURE

**Soil:** ideal for wet locations but highly drought tolerant; slight alkaline tolerance

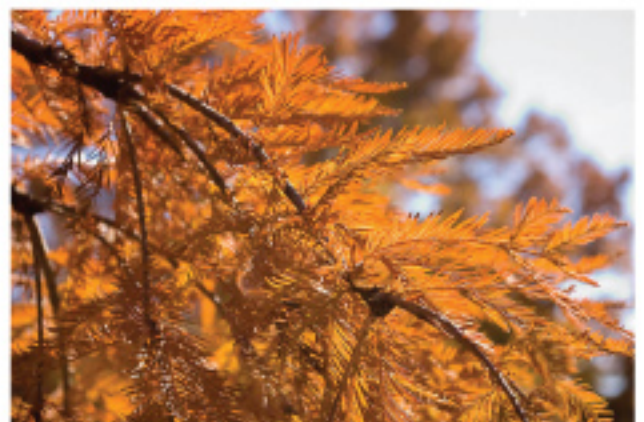
**Light:** full sun

## NOTES

Lifespan of 600 (average) - 1,800 years; native to swamps where it grows "knees;" very adaptable; soft feathery needle-like leaves that drop in the winter; very straight trunk; 2007 Urban Tree of the Year



Bald Cypress Cones and leaves



Fall Color

# Black Gum Tupelo (*Nyssa sylvatica*)

## TREE APPEARANCE

**Type:** deciduous

**Form:** pyramidal in youth; globular at maturity

**Mature height:** 30 - 70 feet

**Spread:** 25 - 35 feet

**Flowers:** insignificant

**Fall color:** brilliant red; some trees change from yellow to orange to scarlet to purple

**Fruit:** small, dark blue; attractive to birds

**Growth rate:** slow to moderate

## CULTURE

**Soil:** moist to dry soils; withstands drought and extended flooding

**Light:** full sun to part shade

## NOTES

Excellent specimen tree with outstanding summer and fall foliage; one of the best native trees for fall color; high wildlife value;



Spectacular Fall Color

planted in the spring



Small Fruit for Birds



Dark Green Glossy Leaves



# Eastern Red Cedar (*Juniperus virginiana*)

## TREE APPEARANCE

**Type:** evergreen

**Form:** dense, pyramidal shape

**Mature height:** 40 - 50 feet

**Spread:** 8 - 20 feet

**Flowers:** nonflowering

**Fruit:** small blue-grey fruit on female trees

**Growth rate:** slow to moderate

## CULTURE

**Soil:** average to dry soils; not tolerant of sites that are continually moist; tolerant of adverse conditions

**Light:** full sun

## NOTES

Useful as windbreaks and screens; lifespan of 100 - 300 years; fruits attractive to wildlife; the aromatic wood is used in closets and chests to repel moths; do not plant near pear or apple trees due to cedar-apple rust



Host Plant of Juniper Hairstreak Butterfly



Small Cones



Fruit Enjoyed by Birds



# Redbud (*Cercis canadensis*)

## TREE APPEARANCE

**Type:** deciduous

**Form:** globular at maturity with ascending branches

**Mature height:** 20 - 30 feet

**Spread:** 25 - 35 feet

**Flowers:** pink to reddish purple  
blooms in April before leaves appear

**Fall color:** yellow to yellow-green

**Fruit:** a legume ; pods about 3 inches long

**Growth rate:** medium to fast



## CULTURE

**Soil:** moist to average well-drained soil;  
tolerates drought and occasionally wet soil

**Light:** sun to part shade; flowers best in sun



## NOTES

One of the first trees to bloom in the spring; use as a specimen or in groupings; heart-shaped leaves; sensitive to road salt





# Fringe Tree (*Chionanthus virginicus*)

## TREE APPEARANCE

**Type:** deciduous

**Form:** large shrub or small tree with open habit, often multi-stemmed

**Mature height:** 15 - 20 feet

**Spread:** 12 - 20 feet

**Flowers:** fine, fleecy, fragrant, white flowers that bloom in May

**Fall color:** yellow to yellowish green brown

**Growth rate:** slow

## CULTURE

**Soil:** moist to average soil; tolerates occasional wet soil

**Light:** sun to part shade

## NOTES

beautiful specimen tree, considered to be one of Thomas Jefferson's favorites; tolerant of air pollution



**Spring Flowers**



# Pin Oak (*Quercus palustris*)

## TREE APPEARANCE

**Type:** deciduous

**Form:** pyramidal

**Mature height:** 60 - 70 feet

**Spread:** 25 - 40 feet

**Flowers:** small catkins

**Fall color:** russet, bronze or red

**Fruit:** acorns

**Growth rate:** fast

## CULTURE

**Soil:** moist to dry soils; tolerant of compaction and wet soils

**Light:** full sun to part shade

## NOTES

Fast growing widely used native oak; best planted in the spring; some brown leaves stay on tree during the winter; leaves become yellow when soil pH is greater than 6.5-7.0 due to lack of iron; resistant to air pollution



## Fall Color

(photo credit: Steve Foltz)



Pin Oak Acorns





# Serviceberry (*Amelanchier spp.*)

## TREE APPEARANCE

**Type:** deciduous

**Form:** small tree or large shrub; globular at maturity; often multi-stemmed

**Mature height:** 15 - 20 feet

**Spread:** 8 - 25 feet

**Flowers:** white flowers in late March/April

**Fall color:** varies from yellow to apricot-orange to dull, rusty red

**Fruit:** delicious purplish black edible berries in June; attractive to birds

**Growth rate:** moderate

## CULTURE

**Soil:** average to dry soils

**Light:** full sun to part shade

## NOTES

One of the first trees to bloom in spring; delicious fruit; subject to rose diseases; also known as Juneberry or Shadbush



Delicious Fruit



Fall Color



Flower



# Sweetbay Magnolia (*Magnolia virginiana*)

## TREE APPEARANCE

**Type:** deciduous to semi-evergreen

**Form:** upright spreading habit;  
may be multi-stemmed

**Mature height:** 15 - 25 feet

**Spread:** 10 - 20 feet

**Flowers:** creamy white, waxy, lemon-scented  
in May/June

**Fall color:** yellow to yellow-brown

**Fruit:** showy cone-like fruit with red-orange  
berries that ripen in August

**Growth rate:** medium to fast

## CULTURE

**Soil:** moist to dry soils; tolerant of drought  
and extended flooding

**Light:** sun to full shade

## NOTES

Graceful specimen tree with fragrant  
flowers; wildlife feed on fruits;  
semi-evergreen during warm winters



Fragrant Bloom



Sweetbay Magnolia Fruit

# Sweetgum (*Liquidambar styraciflua*)

## TREE APPEARANCE

**Type:** deciduous

**Form:** pyramidal in youth; more rounded at maturity

**Mature height:** 60 - 75 feet

**Spread:** 40 - 60 feet

**Flowers:** nonflowering

**Fall color:** varying, yellow to purple to red

**Fruit:** round, spiky, brown fruit capsules

**Growth rate:** moderate to fast

## CULTURE

**Soil:** prefers rich, moist soils

**Light:** full sun

## NOTES

Excellent fall foliage; the cultivar "Rotundiloba" does not develop fruit; lifespan 200 - 300 years



Fall Color



Sweetgum Fruit



# White Oak (*Quercus alba*)

## TREE APPEARANCE

**Type:** deciduous

**Form:** pyramidal when young;  
globular at maturity

**Mature height:** 60 - 80 feet

**Spread:** 50 - 80 feet

**Flowers:** catkins

**Fall color:** burgundy to brown

**Fruit:** acorns

**Growth rate:** slow

## CULTURE

**Soil:** moist to dry soils; does best  
in moist, well-drained soils

**Light:** full sun to part shade

## NOTES

One of the most valuable trees for  
sustaining wildlife; slow grower; life  
span of 200 - 300 years, or more; deep  
tap root; brown leaves stay on tree  
during winter; best planted in the spring



**Stately White Oak**

(photo credit: Steve Foltz)



**Unripe White Oak Acorns**



**Fall Color**

(photo credit: Steve Foltz)



# Willow Oak (*Quercus phellos*)

## TREE APPEARANCE

**Type:** deciduous

**Form:** pyramidal in youth; more rounded at maturity; lower branches droop toward the ground

**Mature height:** 40 - 60 feet

**Spread:** 30 - 40 feet

**Flowers:** catkins

**Fall color:** yellow to russet-red

**Fruit:** acorns

**Growth rate:** moderate

## CULTURE

**Soil:** moist to dry soils; tolerates extended flooding, drought, and compacted soils

**Light:** full sun to part shade

## NOTES

One of the most durable, fine-textured oaks; benefit to wildlife; lives 70 - 100 years; best planted in the spring



**Stately Willow Oak**



**Willow Oak Leaves**



**Willow Oak Acorn**