Atlantic White Cedar

Height: 60' – 80' **Width:** 15' to 20'

Growth Rate: moderate



Chamaecyparis thyoides

A large tree

Crown Shape: pyramidal; upright

Fall Color: evergreen with some bronze in winter

- Light requirement: full sun
- Soil tolerances: loam; sand; acidic; extended flooding;
- Drought tolerance: low
- Aerosol salt tolerance: moderate
- Soil salt tolerance: low

Bald Cypress

Height: 70' – 90' Width: 25' to 35' Growth Rate: fast



Taxodium distichum

A large tree

Crown Shape: pyramidal; upright

Fall Color: copper; yellow; showy

Flowers: brown; inconspicuous and not showy; spring

flowering

Fruit: oval; round; brown; green

Culture:

Light requirement: full sun

Soil tolerances: clay; loam; sand; slightly alkaline; acidic; extended flooding; well-drained

Drought tolerance: medium

Will grow in wet areas

Basswood

Height: 50' – 80' **Width:** 35' to 50'

Growth Rate: medium



Tilia americana

A medium to large tree

Growth Rate: medium

Crown Shape: oval; pyramidal

Fall Color: Pale yellow, underside is pale yellowish-cream

Flowers: green; yellow; pleasant fragrance; showy;

summer flowering

Fruit: oval; round; tan

- Light requirement: part shade/part sun/full sun
- Soil tolerances: clay; loam; sand; acidic; alkaline; well-drained
- Drought tolerance: moderate

Bayberry

Height: 6' - 12'
Width: 6' to 10'
Growth Rate: slow



Myrica pensylvanica

A small to medium shrub

Crown Shape: round; vase shape

Fall Color: no fall color change; not showy

Flowers: green; non-conspicuous and not showy; spring

flowering

Fruit: round; white; showy, fragrant

- **Light requirement:** part shade/part sun/shade/full sun
- **Soil tolerances:** clay; loam; sand; acidic; extended flooding; well-drained, will grow in poor soils.
- Drought tolerance: moderate
- Aerosol salt tolerance: high
- Soil salt tolerance: good

Black Chokeberry

Height: 3' – 12' Width: 6' to 10'

Growth Rate: slow



Aronia melanocarpa

A deciduous shrub

Crown Shape: round; mound shape

Fall Color: maroon to red

Flowers: Spring, white 2-2 ½ in.

Fruit: round, small, deep purple to black, edible,

wildlife value.

Culture:

Light requirement: part shade to full sun

Soil tolerances: moist but well-drained

Drought tolerance: low

Black Oak

Height: 50' – 75' **Width:** 35' to 40'

Growth Rate: medium



Quercus velutina

A medium to large tree

Crown Shape: pyramidal

Fall Color: copper, red

Flowers: inconspicuous and not showy, Spring

Fruit: acorns, late August to October

Culture:

 Light requirement: full sun, moderate shade tolerance

Soil tolerances: clay; loam; sand; acidic; extended flooding; well-drained

Drought tolerance: moderate

Aerosol salt tolerance: low

Soil salt tolerance: poor

Beach Plum

Height: 2' – 6' **Width:** 3' to 9'

Growth Rate: fast



Prunus maritima

A deciduous shrub

Crown Shape: round

Fall Color: somewhat showy

Flowers: white; late spring to early

summer flowering

Fruit: dull purple; edible

Culture:

Light requirement: full sun

Soil tolerances: clay; loam; sand; well-drained

Drought tolerance: moderate

Aerosol salt tolerance: moderate

Soil salt tolerance: high

Black Walnut

Height: 60' – 90' **Width:** 50' to 70'

Growth Rate: medium



Juglans nigra

A large tree

Crown Shape: round

Fall Color: dull yellow, early leaf drop in September.

Flowers: inconspicuous and not showy; spring flowering

Fruit: edible nut surrounded by green,

fleshy husk in October

Culture:

Light requirement: full sun

Soil tolerances: clay; loam; sand; acidic; alkaline; extended flooding; well-drained

• Drought tolerance: high

Aerosol salt tolerance: high

Soil salt tolerance: moderate

Black Gum

Height: 50' - 60' Width: 20' to 30' Growth Rate: slow



Nyssa sylvatica

A medium to large tree

Crown Shape: round

Fall Color: orange; red; showy

Flowers: white, inconspicuous and not showy;

spring flowering

Fruit: oval; round; blue

- Light requirement: part shade/part sun/full sun
- Soil tolerances: clay; loam; sand; acidic; extended flooding; well-drained
- Drought tolerance: high, will grow in wet soils.
- Aerosol salt tolerance: moderate
- Soil salt tolerance: good

Chestnut Oak

Height: 60' – 70' **Width:** 25' to 30'

Growth Rate: medium



Quercus prinus

A medium to large tree

Crown Shape: pyramidal

Fall Color: copper, red

Flowers: inconspicuous and not showy, Spring

Fruit: acorns, late August to October

- Light requirement: full sun, moderate shade tolerance
- **Soil tolerances:** clay; loam; sand; acidic; extended flooding; well-drained, will grow in poor soils.
- Drought tolerance: high
- A member of the white oak group

Cornelian Cherry

Height: 20' – 30' **Width:** 20' to 25'

Growth Rate: slow to

moderate



Cornus mas

A small tree

Crown Shape: globose

Fall Color: yellow

Flowers: creamy yellow flowers

Fruit: red edible fruit

Culture:

Light requirement: partial shade to full sun

Soil tolerances: likes moist to wet soils

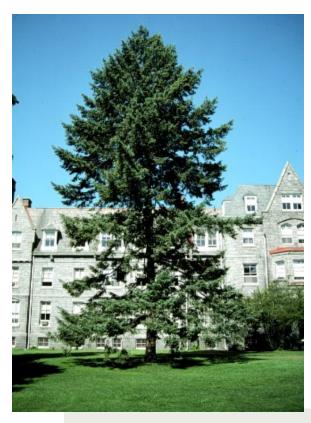
Drought tolerance: moderate

Soil salt tolerances: moderate

Douglas Fir

Height: 40' – 60' **Width:** 15' to 25'

Growth Rate: medium



Pseudotsuga menziesii

A medium to large tree

Crown Shape: pyramidal

Fall Color: no fall color change; not showy

Flowers: red; inconspicuous and not showy

Fruit: oval; brown

Culture:

Light requirement: full sun

 Soil tolerances: clay; loam; sand; acidic; alkaline; well-drained

Drought tolerance: moderate

Aerosol salt tolerance: low

Soil salt tolerance: poor

Elderberry

Height: 5' - 12'
Width: 5' to 12'
Growth Rate: fast

Sambucus canadensis

A deciduous shrub



Crown Shape: broad and rounded

Fall Color: yellowish-green

Flowers: white, blooms in July; showy

Fruit: purplish-black fruit; edible

Culture:

Light requirement: full sun

Soil tolerances: prefers moist soil; pH adaptable

Hackberry

Height: 35' – 60' **Width:** 20' to 30'

Growth Rate: medium



Celtis occidentalis

A medium tree

Crown Shape: round; vase shape

Fall Color: yellow; one of the first trees to drop leaves

Flowers: green; inconspicuous and not showy; spring flowering

Fruit: round; black; purple; red

Culture:

Light requirement: part shade/part sun/full sun

Soil tolerances: clay; loam; sand; acidic; alkaline; extended flooding; well-drained, will grow in poor soils.

Drought tolerance: high

Aerosol salt tolerance: moderate

Soil salt tolerance: good

Hophornbeam

Height: 25' – 40'
Width: 10' to 20'
Growth Rate: slow



Ostrya virginiana

A small tree

Crown Shape: round; vase shape

Fall Color: yellow

Flowers: male catkins persist all winter

Fruit: very distinctive, resembling hops

Culture:

Light requirement: part shade/part sun/full sun

Soil tolerances: clay; loam; sand; acidic; alkaline; extended flooding; well-drained.

Drought tolerance: high

Aerosol salt tolerance: moderate

Soil salt tolerance: poor

Improved Pitch Pine

Height: 40' – 60' Width: 30' to 40' Growth Rate: fast



Pinus rigida x taeda

A large tree – a cross between pitch pine and loblolly pine

Crown Shape: oval to conical

Fall Color: no fall color change

Flowers: non-flowering

Fruit: cones, 5 to 7 in.

Culture:

Light requirement: full sun

Soil tolerances: moderate

 Cold hardiness of pitch pine combined with better form of loblolly pine

Kousa Dogwood

Height: 20' – 30' **Width:** 15' to 25'

Growth Rate: medium

Cornus kousa

A small tree – often multi stem

Crown Shape: upright, vase-shaped

Fall Color: red to purple, showy

Flowers: white; late spring flowering; very showy

Fruit: edible, compound red berry up to 2 in.

Culture:

Light requirement: shade/part sun/shade/full sun

Soil tolerances: clay; loam; sand; slightly alkaline;

acidic; well-drained

Drought tolerance: moderate

Soil salt tolerance: poor

Loblolly Pine

Height: 50' – 80' Width: 30' to 35' Growth Rate: fast



Pinus taeda

A medium to large tree

Crown Shape: oval

Fall Color: no fall color change; not showy

Flowers: yellow; inconspicuous and not showy;

spring flowering

Fruit: oval; brown

Culture:

Light requirement: full sun

Soil tolerances: clay; loam; sand; acidic;

occasionally wet; well-drained

Drought tolerance: moderate

Aerosol salt tolerance: poor

Mockernut Hickory

Height: 70' – 90' **Width:** 50' to 60' **Growth Rate:** fast



Carya tomentosa

A large, long-lived tree

Crown Shape: round

Fall Color: yellow

Flowers: 5 in. catkins in Spring. Not showy.

Fruit: edible nuts produced in September and October

Culture:

Light requirement: full sun

Soil tolerances: clay; loam; sand; slightly alkaline;
 acidic; well-drained

Drought tolerance: high

Aerosol salt tolerance: high

Soil salt tolerance: good

Northern Red Oak

Height: 60' – 70' Width: 50' to 60' Growth Rate: fast



Quercus rubra

A large tree. The State Tree of NJ

Crown Shape: round

Fall Color: red; showy

Flowers: brown; inconspicuous and not showy

Fruit: acorns in Fall, oval; round; brown

Culture:

Light requirement: full sun

Soil tolerances: clay; loam; sand; slightly alkaline;

acidic; well-drained

Drought tolerance: high

Aerosol salt tolerance: high

Soil salt tolerance: good

Norway Spruce

Height: 80' – 100' Width: 25' to 40' Growth Rate: slow



Picea abies

A large tree

Crown Shape: pyramidal

Fall Color: no fall color change; not showy

Flowers: pink; inconspicuous and not showy

Fruit: cones, elongated; oval; brown

Culture:

Light requirement: full sun

Soil tolerances: clay; loam; sand; slightly alkaline;
 acidic; occasionally wet; well-drained

Drought tolerance: moderate

Aerosol salt tolerance: moderate

Soil salt tolerance: poor

Pawpaw

Height: 20' - 30' Width: 20' to 30'

Growth Rate: medium



Asimina triloba

A small tree, often multi-stem

Crown Shape: round

Fall Color: rusty yellow

Flowers: red-purple, maroon in early Spring

Fruit: largest edible fruit of any native tree. Tastes

like a cross between a banana and mango.

- Light requirement: part shade/part sun/full sun
- Soil tolerances: clay; loam; sand; acidic; occasionally wet; alkaline; well-drained

Pecan

Height: 66' – 100' **Width:** 35' to 75'

Growth Rate: slow to

moderate



Carya illinoinensis

A large tree

Crown Shape: rounded

Fall Color: pale yellow

Fruit: edible nut

Culture:

Light requirement: shade to full sun

Soil tolerances: likes moist to wet soils

Soil salt tolerance: moderate to low

Persimmon

Height: 30' – 60' Width: 20' to 30'

Growth Rate: medium



Diospyros virginiana

A small to medium tree

Crown Shape: round

Fall Color: rusty yellow

Flowers: dioecious, creamy white in early June

Fruit: edible; orange in late Fall, sweet when ripe

- **Light requirement:** part shade/part sun/full sun
- Soil tolerances: clay; loam; sand; acidic;
 occasionally wet; alkaline; well-drained

Pin Oak

Height: 50' – 75' **Width:** 35' to 40'

Growth Rate: medium



Quercus palustris

A medium to large tree

Crown Shape: pyramidal

Fall Color: copper; red; showy,

leaves may persist into winter.

Flowers: brown; inconspicuous and not showy

Fruit: acorns, oval; round; brown

Culture:

Light requirement: full sun

Soil tolerances: clay; loam; sand; acidic; extended flooding; well-drained

Drought tolerance: moderate

Pitch Pine

Height: 50' – 80' **Width:** 10' to 25'

Growth Rate: medium



Pinus rigida

A medium to large tree - very common in Southern NJ

Crown Shape: open conical

Fall Color: evergreen, no fall color

Flowers: non-flowering

Fruit: cones, ovoid-conical; light brown

Culture:

Light requirement: full sun

 Soil tolerances: light sandy; well-drained and acid soil

Drought tolerance: high

Aerosol salt tolerance: moderate

Soil salt tolerance: high

Redbud

Height: 20' – 30' Width: 15' to 25' Growth Rate: fast



Cercis canadensis

A small tree – may be multi-stem or shrub

Crown Shape: round; vase shape

Fall Color: yellow; showy

Flowers: lavender-pink, purple; spring flowering; very showy

Fruit: pod; brown

Culture:

Light requirement: part shade/part sun/full sun

 Soil tolerances: clay; loam; sand; acidic; occasionally wet; alkaline; well-drained

Drought tolerance: high

Aerosol salt tolerance: none

Soil salt tolerance: poor

Red Cedar

Height: 40' – 60' Width: 15' to 35' Growth Rate: slow



Juniperus virginiana

A large tree

Crown Shape: conical to sparsely random

Evergreen, deer resistant

Culture:

Light requirement: full sun

Soil tolerances: likes dry poor conditions

Soil salt tolerance: moderate

Red Maple

Height: 60' – 75' **Width:** 45' to 60'

Growth Rate: medium



Acer rubrum

A medium to large tree - the most common tree in NJ

Crown Shape: conical to round

Fall Color: red; showy

Flowers: inconspicuous and not showy

Fruit: winged samara

Culture:

Light requirement: full sun

Drought tolerance: moderate, will grow on wet sites.

Aerosol salt tolerance: low

Soil salt tolerance: low

Scarlet Oak

Height: 60' – 75' **Width:** 45' to 60'

Growth Rate: medium



Quercus coccinea

A medium to large tree

Crown Shape: round

Fall Color: red; showy

Flowers: brown; inconspicuous and not showy

Fruit: acorns, oval; round; brown

Culture:

Light requirement: full sun

Soil tolerances: clay; loam; sand; acidic;

well-drained

Drought tolerance: moderate

Aerosol salt tolerance: moderate

Soil salt tolerance: moderate

Scotch Pine

Height: 40' – 50' **Width:** 15' to 30'

Growth Rate: medium to fast



Pinus sylvestris

A medium tree

Crown Shape: small, open,

Leaves: evergreen, 1-1/2 to 3 inch long, bluish needles occur in bundles of two and are twisted or spiral as they leave the twig

Flowers: non-flowering

Culture:

Light requirement: full sun

Soil tolerances: dry to medium, well-drained soils

Drought tolerance: high

Unique reddish brown bark

Shellbark Hickory

Height: 80' - 100' **Width:** 40' to 60'

Growth Rate: slow to

moderate



Carya laciniosa

A large tree

Crown Shape: rounded

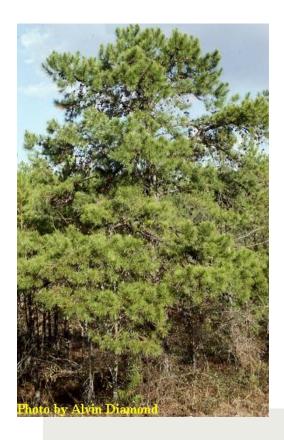
Fall color: pale yellow

- Light requirement: partial shade to full sun
- Soil tolerances: likes moist to wet soils
- Soil salt tolerance: moderate to low

Shortleaf Pine

Height: 80' – 100' **Width:** 20' to 35'

Growth Rate: medium to fast



Pinus echinata

A large tree

Crown Shape: small, open, narrowly conical

Fall Color: no fall color change

Flowers: non-flowering

Fruit: small cones, egg-shaped; red to brown

Culture:

Light requirement: full sun

Soil tolerances: dry to medium,

well-drained soils

Drought tolerance: high

Silky Dogwood

Height: 6' - 10'
Width: 6' to 10'
Growth Rate: fast



Cornus amomum

A small shrub

Crown Shape: round

Fall Color: no fall color; leaves change

from green to brown

Flowers: creamy, white; showy; late spring and

early summer flowering

Fruit: blue drupe; showy

- Light requirement: full sun to partial shade
- Soil tolerances: prefers moist, fertile soil
- Others: readily transplanted

Sourwood

Height: 30' – 60' **Width:** 20' to 30'

Growth Rate: medium



Oxydendrum arboreum

A small to medium tree

Crown Shape: round

Fall Color: vivid red

Flowers: white panicles in summer, 7 to 8 in.

Fruit: inconspicuous, small, woody capsule

- Light requirement: part shade/part sun/full sun
- Soil tolerances: clay; loam; sand; acidic; occasionally wet; well-drained

Swamp White Oak

Height: 50' – 70' **Width:** 50' to 70'

Growth Rate: medium



Quercus bicolor

A medium to large tree

Crown Shape: oval; round

Fall Color: copper; red; yellow; showy

Flowers: brown; inconspicuous and not showy;

spring flowering

Fruit: oval; round; brown

- Light requirement: part shade/part sun/full sun
- Soil tolerances: clay; loam; sand; slightly alkaline;
 acidic; extended flooding; well-drained
- Drought tolerance: moderate
- Aerosol salt tolerance: moderate
- Soil salt tolerance: poor

Sweetgum

Height: 60' – 75' **Width:** 35' to 50'

Growth Rate: medium



Liquidambar styraciflua

A medium to large tree

Crown Shape: oval; pyramidal

Fall Color: orange; purple; red; yellow; showy

Flowers: green; yellow; inconspicuous and not showy;

spring flowering

Fruit: round; brown

Culture:

Light requirement: part shade/part sun/full sun

Soil tolerances: clay; loam; sand; slightly alkaline;
 acidic; extended flooding; well-drained

Drought tolerance: moderate

Aerosol salt tolerance: moderate

Sycamore

Height: 75' – 90' Width: 50' to 70' Growth Rate: fast



Platanus occidentalis

A large tree

Crown Shape: round; spreading; pyramidal

Fall Color: yellow; not showy

Flowers: red; inconspicuous and not showy; spring

flowering

Fruit: round; brown

Culture:

Light requirement: full sun

Soil tolerances: clay; loam; sand; acidic; alkaline; extended flooding; well-drained

Drought tolerance: high

Aerosol salt tolerance: moderate

Tulip Poplar

Height: 80' – 100' **Width:** 30' to 50'

Growth Rate: medium



Liriodendron tulipifera

A large tree

Crown Shape: oval

Fall Color: yellow; showy

Flowers: green; yellow; pleasant fragrance;

showy; spring flowering

Fruit: elongated; brown

Culture:

Light requirement: full sun

 Soil tolerances: clay; loam; sand; acidic; occasionally wet; well-drained

Drought tolerance: moderate

Aerosol salt tolerance: none

Soil salt tolerance: poor

Virginia Pine

Height: 20' – 40' Width: 20' to 35'

Growth Rate: medium



Pinus virginiana

A small to medium tree

Crown Shape: round

Fall Color: no fall color change; not showy

Flowers: yellow; inconspicuous and not showy;

spring flowering

Fruit: oval; brown

Culture:

Light requirement: tree grows in full sun

 Soil tolerances: clay; loam; sand; acidic; well-drained

Drought tolerance: high

Aerosol salt tolerance: low

White Ash

Height: 50' – 80' Width: 40' to 60' Growth Rate: fast



Fraxinus americana

A medium to large tree

Crown Shape: oval; round; pyramidal

Fall Color: purple; yellow; showy

Flowers: green; inconspicuous and not showy;

spring flowering

Fruit: elongated; tan

Culture:

Light requirement: part shade/part sun/full sun

Soil tolerances: clay; loam; sand; acidic; alkaline;
 extended flooding; well-drained

Drought tolerance: moderate

Aerosol salt tolerance: high

Soil salt tolerance: good

White (Flowering) Dogwood

Height: 20' – 30' Width: 25' to 30'

Growth Rate: medium



Cornus florida

A small to medium tree

Crown Shape: round

Fall Color: red; showy

Flowers: white; spring flowering; very showy

Fruit: oval; round; red

Culture:

Light requirement: shade/part sun/shade/full sun

Soil tolerances: clay; loam; sand; slightly alkaline;

acidic; well-drained

Drought tolerance: moderate

Aerosol salt tolerance: low

Soil salt tolerance: poor

White Oak

Height: 60' – 100' Width: 60' to 80' Growth Rate: slow



Quercus alba

A large tree

Crown Shape: round; pyramidal

Fall Color: red; showy

Flowers: brown; inconspicuous and not showy

Fruit: oval; brown

Culture:

Light requirement: part shade/part sun/full sun

 Soil tolerances: clay; loam; sand; acidic; occasionally wet; well-drained

Drought tolerance: moderate

Aerosol salt tolerance: high

Soil salt tolerance: good

White Pine

Height: 50' – 80' Width: 25' to 35' Growth Rate: fast



Pinus strobus

A medium to large tree

Crown Shape: oval; pyramidal

Fall Color: no fall color change; not showy

Flowers: pink; yellow; inconspicuous and not showy;

spring flowering

Fruit: elongated; brown

Culture:

Light requirement: part shade/part sun/full sun

Soil tolerances: loam; sand; acidic; well-drained

Drought tolerance: moderate

Aerosol salt tolerance: none

Soil salt tolerance: poor

Willow Oak

Height: 60' – 75' **Width:** 40' to 60' **Growth Rate:** fast



Quercus phellos

A medium to large tree

Crown Shape: round; pyramidal

Fall Color: yellow; showy

Flowers: brown; inconspicuous and not showy

Fruit: oval; round; brown

Culture:

Light requirement: tree grows in full sun

Soil tolerances: clay; loam; sand; acidic;
 extended flooding; well-drained

Drought tolerance: high

Aerosol salt tolerance: high

Yellowwood

Height: 35' – 45' **Width:** 25' to 35'

Growth Rate: moderate



Cladrastis kentukea

A small tree

Crown Shape: round

Fall Color: bright yellow

Flowers: white; showy small flowers

Fruit: legume

Culture:

Light requirement: tree grows in partial to full sun

Drought tolerance: Moderate

Aerosol salt tolerance: Moderate