

2027 City of Portsmouth Public Works tree availability

Review your planting site! Conduct additional research into a tree of interest!
Some varieties do not have an exact corresponding image, and what is provided is
representative of the look of the tree.

The following images are publicly available online and are not owned by the City.

Contact DPW Arborist Foreman Max Wiater at (603) 570-8480 with questions.

Large/shade trees

- Greater than 35' tall at full maturity
- Not suitable for sites with overhead utility lines
- Not typically suitable for sites with limited space and sunlight
- Will be more effective at abating environmental stressors (air pollution, storm water runoff, carbon sequestration, heat island effects, etc.) compared to small/ornamental trees

Acer miyabei 'Morton'— **State Street maple**

50'H x 35'W

Comparable to a hedge maple regarding leaf shape and bark texture, but growing taller and vigorously

Has proven to be a dependable and rapid-growing urban tree



Zone: 4
Height: 50'
Spread: 35'
Shape: Upright oval
Foliage: Dark green
Fall Color: Yellow

Think of this Morton Arboretum release as a turbo-charged, more hardy alternative to *A. campestre*. Rough corky bark and leaf shape are similar to Hedge Maple, but its stronger growth rate and ascending branch habit result in a larger mature size. Excellent drought and cold tolerance and clean, pest-free foliage.

State Street® Maple

Acer miyabei 'Morton'



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Alnus x spaethii — Spaeth's alder

x Spaethii will mature more pyramidal than *glutinosa* (pictured)

50' H x 30'W

Great *Fraxnius* (ash) replacement regarding general appearance and growth rate

Used regularly in Europe as a street tree that also performs well here, is a dependable Portsmouth tree



Zone: 4
Height: 50'
Spread: 30'
Shape: Broadly pyramidal
Foliage: Dark green

Black alder is a fast growing tree for tough sites. It fixes nitrogen, thus it can grow in infertile soil, and it will tolerate extremely wet sites.

Black Alder

Alnus glutinosa



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Betula papyrifera 'Oenci'— Renaissance Oasis paper birch

50' H x 30' W

Improved cultivar of NH state tree

'Oenci' is more resistant to bronze birch borer and more drought tolerant than species

Maintains powdery white peeling bark throughout the year

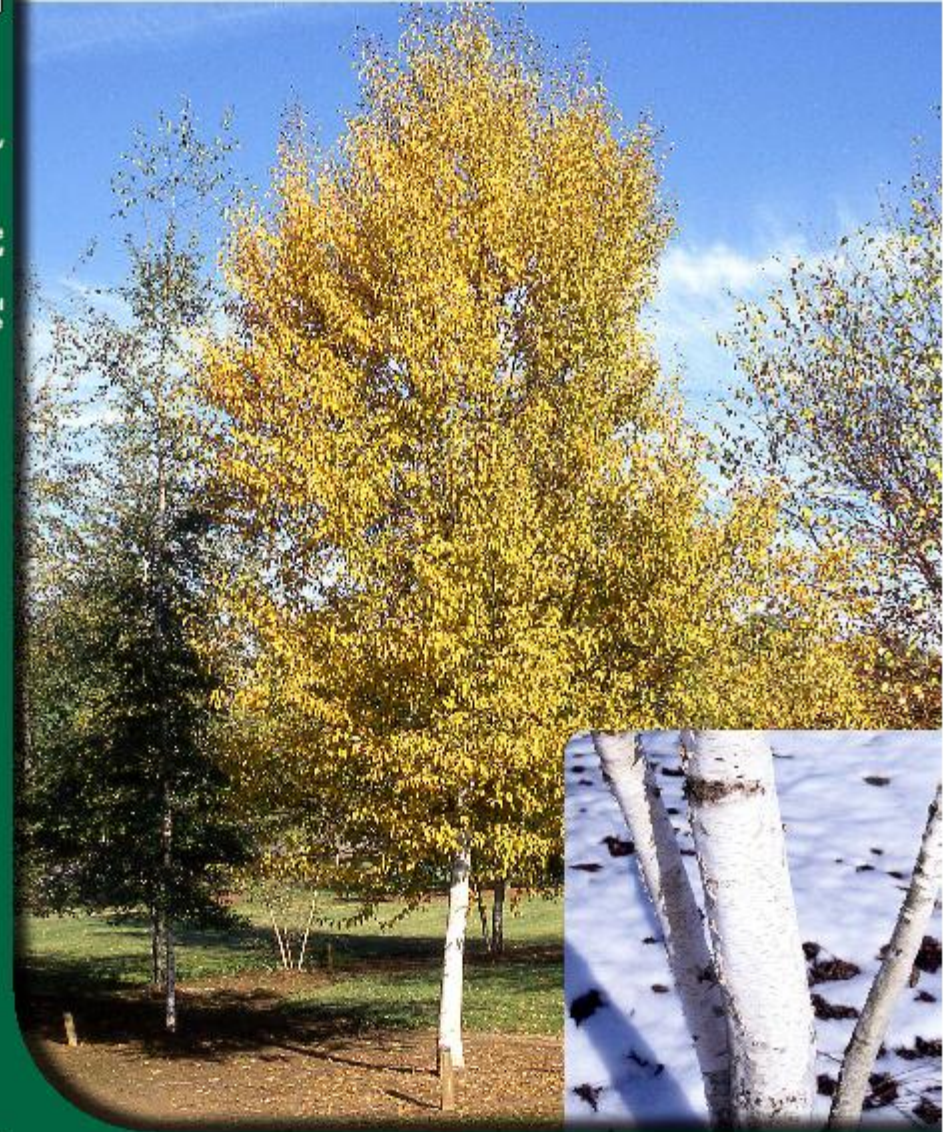


Zone: 3
Height: 50'
Spread: 35'
Shape: Oval
Foliage: Dark green
Fall Color: Yellow

In cooler climates, this is the most permanent and desirable of all white barked birches. Slow to turn white, but a perfect chalk-white when older. Beautiful as a single stem tree or clump form.

Paper Birch

Betula papyrifera



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Cladrastis kentukea — yellowwood

40'H x 35'W

A “large ornamental” tree with terrific white flower clusters

Provides dense shade

A dependable urban selection



Zone: 4
Height: 30'
Spread: 40'
Shape: Round
Foliage: Bright green
Fall Color: Brilliant yellow
Flowers: White, in long clusters, fragrant

Showy cascades of fragrant white pea-like blooms are spectacular in May and June. Compound leaves and arching branches give an elm-like shape to this urban-tolerant native shade tree.

Yellowwood

Cladrastis kentukea



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Ginkgo biloba 'Autumn Gold' — **Autumn Gold** maidenhair

45'H x 35'W

Unique fan-shaped leaves turn yellow in fall and fall from the tree in one event

Tolerates a variety of soils and pollution making it an ideal urban selection

It can be a challenging tree to establish from bare root stock



Zone: 3
Height: 45'
Spread: 35'
Shape: Broadly pyramidal
Foliage: Medium green
Fall Color: Golden yellow
Fruit: Seedless

Named for its fan-shaped green leaves that turn to striking golden yellow in autumn, this fruitless male selection is narrow in youth and broadens with age. This air pollution-tolerant tree performs well in compacted and alkaline soils, and is highly resistant to insect feeding and disease.

Autumn Gold Ginkgo

Ginkgo biloba 'Autumn Gold'



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Gymnocladus dioicus 'Espresso'— **Espresso Kentucky coffeetree**

50'H x 35'W

A tough, urban-tolerant tree that is a substitute for *Ulmus* (Dutch elm disease) and *Gleditsia* (overplanted)

Very tolerant of drought, heat, and cold

Small leaflets create dappled shade, and this variety is fruitless (no seed pods)



Zone: 4
Height: 50'
Spread: 35'
Shape: Oval to vase with upright arching branches
Foliage: Huge doubly compound leaves, bluish-green
Fall Color: Yellow

Large, frond-like, doubly compound leaves form a canopy of dappled shade that gives this city-tough tree an airy, tropical feel. The arching branches of this seedless selection present an elm-like shape as the tree matures. Good tolerance of heat, drought, cold and alkaline soils.

Espresso™ Kentucky Coffee Tree

Gymnocladus dioicus 'Espresso-JFS'



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Liriodendron tulipifera 'Fastigiatum' — Columnar tulip poplar

50'H x 15'W

Narrower and shorter than the species and
a better choice for constrained green
space

Fast growing with unique large flowers



Zone: 5
Height: 50'
Spread: 15'
Shape: Tightly
fastigate
Foliage: Medium
green
Fall color: Bright
yellow
Flower: Yellow
with orange
center

Tall, narrow and
tightly fastigate.
It has one of the
best forms of
columnar trees.
Fast-growing
selection retains
its slender form in
maturity.

Columnar Tulip Tree

Liriodendron tulipifera 'Fastigiatum'



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Nyssa sylvatica 'Tupelo Tower'— **Tupelo Tower** black gum

'*Tupelo Tower*' is a bit taller and narrower than '*Afterburner*' (pictured), but otherwise very similar

40'H x 20'W

Narrower than the species and a better choice for smaller green spaces

Other varieties have established in the ROW with little issue despite a general intolerance of urban pollution and soil conditions



Zone: 5
Height: 35'
Spread: 20'
Shape: Upright
pyramidal to oval
Foliage: Bright
green, glossy
Fall Color: Bright
red
Fruit: Blue-black,
1/4"

Symmetrical, uniform
and upright branch
structure and straight
central leader make
this cultivar easier
to grow and better
suited than seedlings
of the species for use
as a street tree. High
gloss foliage shines
through the summer
and then turns bright
red in fall, burning
brightly after
most tupelo
have defoliated.

Afterburner® Tupelo

Nyssa sylvatica 'David Odom'



J. FRANK
SCHMIDT
& SON CO.

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Platanus acerifolia 'Morton Circle'— **Exclamation! London planetree**

55'H x 35'W

Adaptable shade tree with a strong central leader

Resistant to mildew and fungal issues

The hairs on the underside of the leaves collect dust and fine particulate, making it a valuable tree for abating air pollution



Zone: 5
Height: 55'
Spread: 35'
Shape: Upright
pyramidal
Foliage: Medium
green
Fall Color: Yellow

**DISEASE
RESISTANCE:**
Anthracnose and
powdery mildew

Near-perfect
symmetry
commands attention
in any landscape. A
carefree performer
on city streets, it
is urban tolerant,
anthracnose
resistant, and
moderately resistant
to powdery mildew.
A moderate growth
rate, light-fruited
habit and resistance
to frost cracking are
additional reasons
to plant this

adaptable shade
tree.

Exclamation!® Planetree

Platanus x acerifolia 'Morton Circle'



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Ulmus x 'Patriot' — Patriot elm

50' H x 40' W

Tolerant of Dutch elm disease

More narrow than other varieties of hybrid elm, and branches remain rigid and upright

Its parentage consists of four elm species

Urban stress tolerant



Zone: 4
Height: 50'
Spread: 40'
Shape: Upright,
narrow vase
Foliage: Dark
green
Fall Color: Yellow

**DISEASE
TOLERANCE:**
Dutch elm
disease and
phloem necrosis

Stiffly ascending
branches of this
National Arboretum
introduction form a
vase-shaped crown
that is more narrow
than typical of most
elm cultivars.
The boldly textured
foliage of this
complex hybrid of
Ulmus wilsoniana,
U. pumila,
U. carpinifolia and
U. glabra is
especially dark
green.

Patriot Elm

Ulmus 'Patriot'



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Small/ornamental trees

- Less than 35' tall at full maturity
- Suitable for sites with overhead utility lines
- Suitable for limited sites
- Will have features that are seasonally attractive (flowers, fruit, interesting textures, etc.) compared to large/shade trees

Acer negundo 'Sensation' — Sensation box elder

30'H x 25'W

Grows slowly which improves branch structure

Fruitless (no seeds, will not spread)

Noted for great fall color

Can be utilized in difficult locations where other trees cannot establish



Zone: 4b
Height: 30'
Spread: 25'
Shape: Rounded
Foliage: Medium green
Fall Color: Brilliant red
Fruit: Seedless

Sensation is a male box elder clone that features slower, more controlled growth, improved branch structure, and an outstanding display of brilliant red autumn foliage. Warren Carnefix of Fruitland Nursery discovered the original tree growing near an abandoned Idaho homestead.

Sensation Box Elder

Acer negundo 'Sensation'



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Amelanchier laevis 'Rogers' — Lustre serviceberry

'Rogers' and 'JFS Arb' (pictured) are very similar in size, appearance, and shape

25' H x 15'W

Considered a better choice for serviceberry due to reliable tree form and structure

Delicate white flowers turn to edible small fruits

Attractive fall foliage color



Zone: 4
Height: 28'
Spread: 20'
Shape: Upright oval
Foliage: Medium green
Fall Color: Orange
Flower: White, in clusters
Fruit: Purplish blue, edible, 1/2"

A street tree Amelanchier! This Schmidt introduction has exceptional tree form. A dominant central leader supports strongly upward-oriented scaffold branches. Pure white blooms smother a delicate latticework of twigs in spring. These give way to healthy green foliage that turns orange in the fall.

Spring Flurry® Serviceberry

Amelanchier laevis 'JFS-Arb'



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Carpinus betulus 'Lucas'—Lucas European hornbeam

30'H x 10'W

Used commonly as a hedge

Tree remains tight and upright and
tolerates urban conditions

Leaves may persist through winter



Zone: 5
Height: 30'
Spread: 10'
Shape: Narrow,
columnar
Foliage: Dark
green, thick
Fall Color:
Brownish to
golden yellow

Dense, tightly
columnar form
stays narrower than
the widely planted
'Fastigiata'. Thick,
durable leaves turn
from golden yellow
to brown and pro-
vide winter inter-
est by persisting
through the winter
months. Tolerates
high pH and heavy
soils and can be
tightly sheared as
a narrow hedge or
screen.

Lucas Columnar Hornbeam

Carpinus betulus 'Lucas'



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Cornus mas 'JFS PN4Legacy' — **Saffron Sentinel cornelian cherry**

22'H x 12'W

Vigorous, symmetrical grower provides
many seasons of interest

Has been a reliable small tree in the ROW
in Portsmouth

Yellow flower clusters appear early before
the tree has spouted leaves



Saffron Sentinel® Cornelian Cherry

Cornus mas 'JFS PN4Legacy'

Zone: 4
Height: 22'
Spread: 12'
Shape: Columnar
Foliage: Dark
green
Fall Color: Dark
reddish purple
Flower: Bright
yellow
Fruit: Bright red
Bark: Dark
brown, exfoliating

Bright yellow
flowers emerge
along winter-bare
branches of
this vigorous,
symmetrical,
columnar tree.
Dark green foliage
follows, remaining
clean through the
summer months
before turning deep
crimson in autumn.
Tart and tasty bright
red fruit ripens in
late summer to
early fall. Attractive
dark brown bark
exfoliates with age.



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Cornus x 'Starlight' — Starlight hybrid dogwood

30'H x 20'W

Upright form provided by Pacific dogwood
parent

Disease resistance provided by Chinese
dogwood parent

Large white flowers and bright red fruit



Starlight® Dogwood

Cornus kousa x nuttallii 'KN4-43'

Zone: 6
Height: 30'
Spread: 20'
Shape: Upright
oval
Foliage: Deep
green
Fall Color: Red
Flower: Large,
creamy white
Fruit: Red
orange, 1/2",
sparse

DISEASE

RESISTANCE:

Dogwood
anthracnose and
powdery mildew

Healthy dark green
foliage complements
the large, firm,
creamy white flower
bracts that smother
its branches in late
spring. This hybrid
offers the upright
growth habit and
form of its Pacific
Dogwood parent,
plus the disease
resistance of its
Chinese Dogwood
parent.



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Malus 'Durleo' — Gladiator crabapple

20'H x 10'W

Red buds turn to pink flowers then small fruits

Foliage remains purple throughout the year

The tree is upright and narrow for small spaces



Zone: 2
Height: 20'
Spread: 10'
Shape: Narrow oval
Foliage: Bronze purple
Fall Color: Dark purple
Flower: Bright pink
Fruit: Reddish purple, 1/4"
DISEASE RESISTANCE
Scab: Excel.
Fireblight: Excel.
Cedar-Apple Rust: Excel.
Mildew: Excel.

Plump red buds open to bright pink flowers that crowd the branches of this very narrow, upright crabapple. Foliage emerges dark purple and matures to glossy bronze purple that holds its color through the summer months and turns dark purple in autumn. Compact form recommends it for space-challenged sites.

Gladiator™ Crabapple

Malus x adstringens 'Durleo' PP 20167

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SELECTED FOR SUCCESS



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Parrotia persica 'Chrishaven1' — **Golden BellTower Persian ironwood**

30'H x 12'W

A low maintenance, well-structured
cultivar

Species is considered very urban tolerant,
but there has been difficulty establishing it
from bare root stock



Zone: 4
Height: 30'
Spread: 12'
Shape: Columnar
to upright oval
Foliage: Green,
textured
Fall Color:
Golden to apricot
orange

A slender tower of
elegantly textured
green leaves turns
golden yellow
in autumn. This
unusually nar-
row cultivar has
a storm-resistant
branch structure.
Adaptability to
varied soils and
excellent disease
resistance make it
a top pick for urban
settings where a
low maintenance,
columnar tree is
needed.

Golden BellTower™ Parrotia

Parrotia persica 'Chrishaven1' PP 28584



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Sorbus aucuparia 'Michred' — **Cardinal Royal mountain ash**

35'H x 20'W

Vigorous grower with symmetrical branch growth habit

Large white flower clusters attract pollinators and become large fruit clusters that attract birds



Zone: 2
Height: 35'
Spread: 20'
Shape: Upright
narrow oval
Foliage: Green
Fall Color: Rust
Flower: White, in
clusters
Fruit: Bright red

A vigorous tree with upright branches and a very symmetrical and tidy habit. This tree was selected for its clusters of small brilliant red berries, much more spectacular than the orange of the species. Dark green foliage is silvery beneath.

Cardinal Royal® Mountain Ash

Sorbus aucuparia 'Michred'



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Syringa reticulata 'Ivory Silk'—**Ivory Silk** **Japanese tree lilac**

20'h x 15'W

When established many white flower clusters bloom early in the spring

Tree is very dependable and hardy



Zone: 4
Height: 20'
Spread: 15'
Shape: Upright
spreading
becoming
rounded
Foliage: Dark
green
Flower: Creamy
white panicles

Frothy white flower
plumes of late
spring take center
stage at a time
when few other
trees are in bloom.
Hardy and adapt-
able, this sturdy,
small-stature shade
tree demands a
curtain call in
autumn when its
rich, golden-bronze
leaves stage a
command perfor-
mance. Once the
leaves have fallen,
the shiny brown
bark of the trunk is
revealed.

Ivory Silk® Japanese Tree Lilac

Syringa reticulata 'Ivory Silk'



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