

XfrogPlants | USA East Library

Version 2.0



XfrogPlants Development

Orio Menoni	Modeler
Jan Walter Schliep	Modeler
Jan Heuschele	Modeler
Tany Heider	Rendering
Karin Rudokas	Rendering
Peter Fantke	Research and Development
Bernd Lintermann	Research and Development
Oliver Deussen	Research and Development
Stewart McSherry	Product Manager

What's New, and Usage Information for XfrogPlants USA East Library, Version 2.0

60 XFR (Xfrog) + 60 Models of one additional 3D format are included in the /Models folder.
(You may select online at xfrog.com, or from your reseller, from most popular 3D formats, such as Maya, 3ds Max, Lightwave, CINEMA 4D, OBJ, 3ds, etc. to be the additional format included on your CDROM)

NOTE - If you purchase our DVDs, they contain ALL 3D formats listed above, inside the DVD, and more!

60 TIFF+Alpha Billboard Renders are included in the /Billboards folder.
(You can map them onto single or crossed polygons, or drag and drop them directly into background images)

60 TIFF+Alpha Perspective Renders are included in the /Perspectives folder.
(You can use their object buffer to place them into background images, ideal for quick comps)

Many Leaf and Bark and Flower Textures are replaced with Higher Quality Textures.
(A year long search and collection effort has yielded much higher texture quality than earlier efforts)

Many Models were completely rebuilt for better accuracy.
(Over the past 3 years we have greatly improved our knowledge and modeling capabilities and we have rebuilt many early models, the results of many months of efforts is Version 2.0)

Each XfrogPlants Library is now available in several more popular 3D formats.
(Maya, Vue d'Esprit, RIB, have been added to a long list of available additional 3d formats)

Each XfrogPlants Library PDF was re-created and showcases the quality of Version 2.0.
(New nicer layout and now we exhibit all Models as Perspective Renders instead of one Render per Species)

Plugins are included to import XFR into Maya, 3ds max, Lightwave, and CINEMA 4D.
(You can directly import XfrogPlants models, or edits you make in Xfrog, into the above programs)

Xfrog Software, Plugins, Demos: <http://www.xfrog.com>
Xfrog User Group: <http://groups.yahoo.com/group/Xfrog/>
Xfrog User Gallery: <http://www.xfrog.com/4images/>

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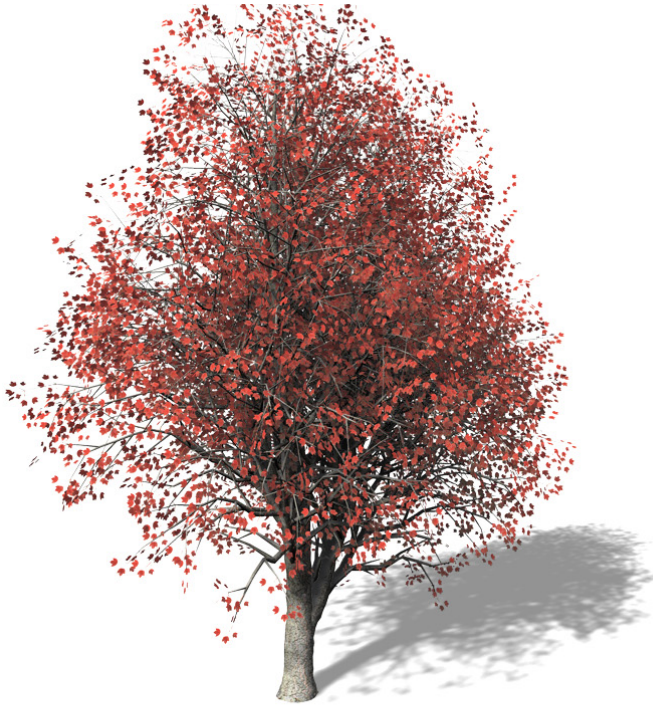
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Author

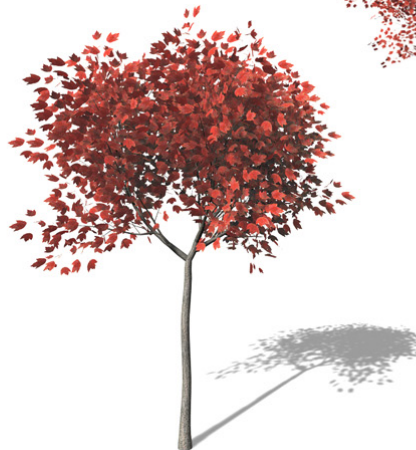
This XfrogPlants documentation was created in November 2004 by Orio Menoni.

01. Red Maple

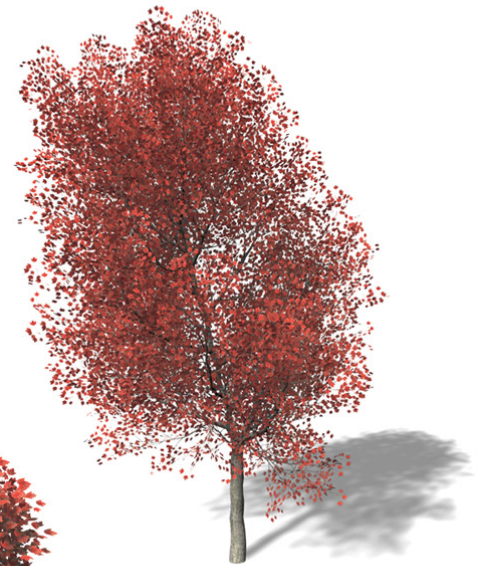
(*Acer rubrum*)



adult age
20.5 meters



young age
3 meters



medium age
10 meters

Tree, deciduous broadleaf **Shape:** broad columnar

Origin : East of North America

Environment : humid forests, river sides

Climate : temperate

Notes :

The Red Maple (Rhode Island State tree) grows in humid environments, on non-calcareous soils. It is much appreciated as ornamental tree because of the autumn foliage, whose colours can range from deep red to golden yellow.

In native North America, it is also industrially cultivated for the wood.

02. Ohio Buckeye

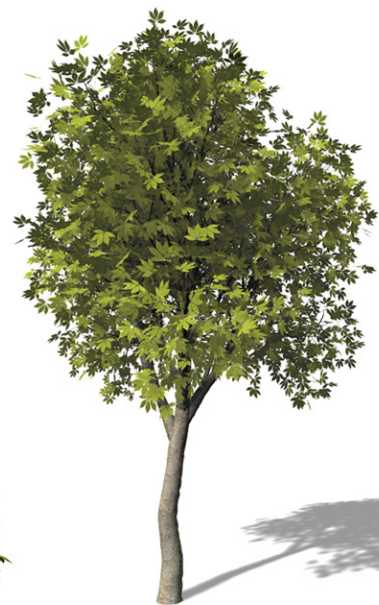
(*Aesculus glabra*)



adult age
17 meters



young age
4 meters



medium age
12.5 meters

Tree, deciduous broadleaf **Shape:** broad columnar

Origin : Southern and Central East USA

Environment : moist, rich forests

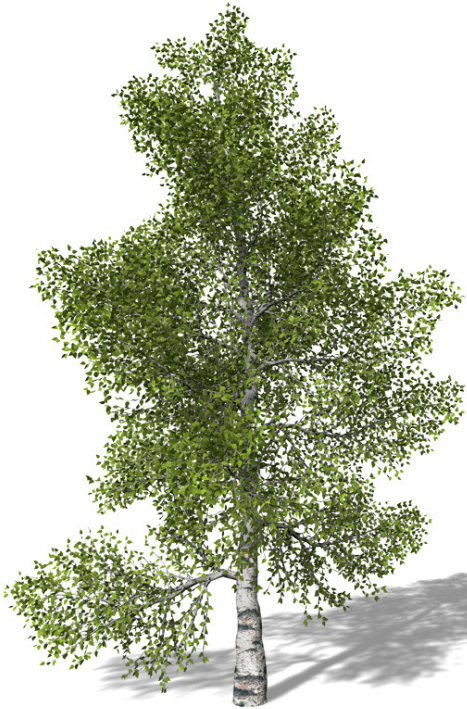
Climate : mild

Notes :

The Ohio Buckeye (Ohio State tree) is smaller than its European/Asian relative (the Horse-Chestnut). Native Americans used the ground-up seeds to poison fish in the lakes (and gather them easily afterwards). The Ohio Buckeye leaves out very early in the Spring and its leaves turn to a beautiful golden colour in the Autumn.

03. Paper Birch

(*Betula papyrifera*)



adult age
18.5 meters



young age
4 meters



medium age
12.5 meters

Tree, deciduous broadleaf **Shape:** broad conical

Origin : North America

Environment : mountain forests (sea-level forests at northerly latitudes)

Climate : cool, cold

Notes :

The Paper Birch (New Hampshire State tree, Saskatchewan provincial tree) is also known as Canoe Birch, because native Americans used to coat their canoes with it's waterproof bark, easy to peel off. Paper Birch is a very popular choice for decoration of parks and gardens. It needs to be placed in full sunlight.

04. Southern Catalpa

(*Catalpa bignonioides*)



adult age
16 meters



young age
3.5 meters



medium age
8 meters

Tree, deciduous broadleaf **Shape:** broad spreading

Origin : Southeast of USA

Environment : stream banks, low forests

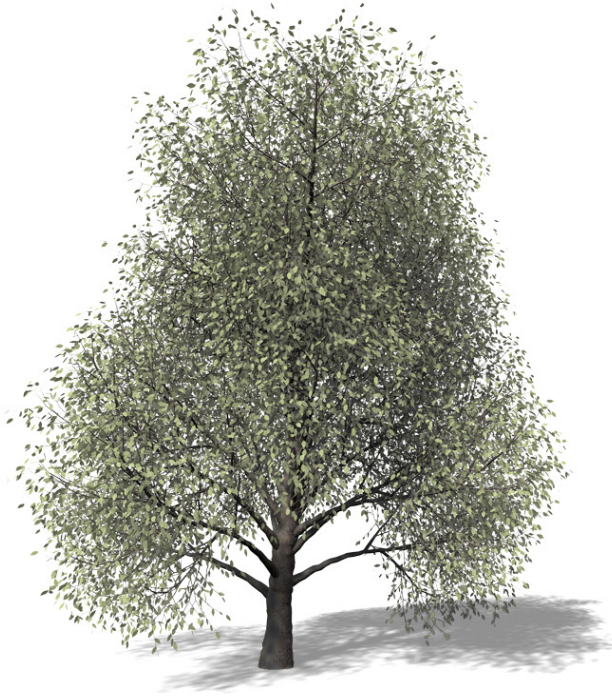
Climate : mild

Notes :

Also called Indian Bean tree, or Cigar tree, because of the shape of the fruits, the Southern Catalpa is a popular choice for decoration, because of the thick foliage and the gorgeous summer blooming. Although native of temperate warm regions, it tolerates frost. The name Catalpa is of native American origin.

05. American Beech

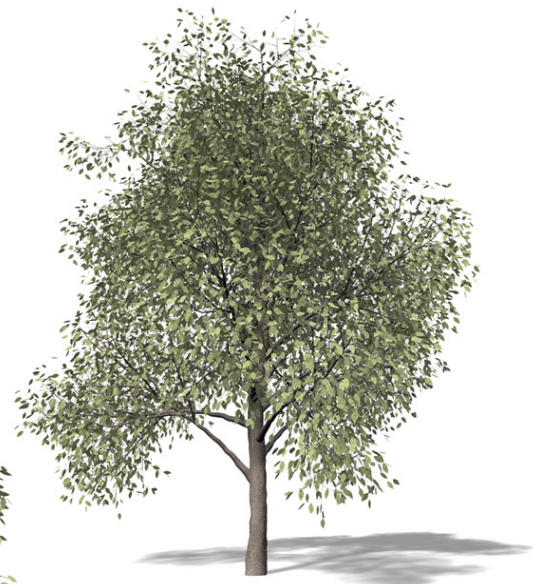
(*Fagus grandifolia*)



adult age
21 meters



young age
4 meters



medium age
8.5 meters

Tree, deciduous broadleaf **Shape:** broad spreading

Origin : East of North America

Environment : rich forests

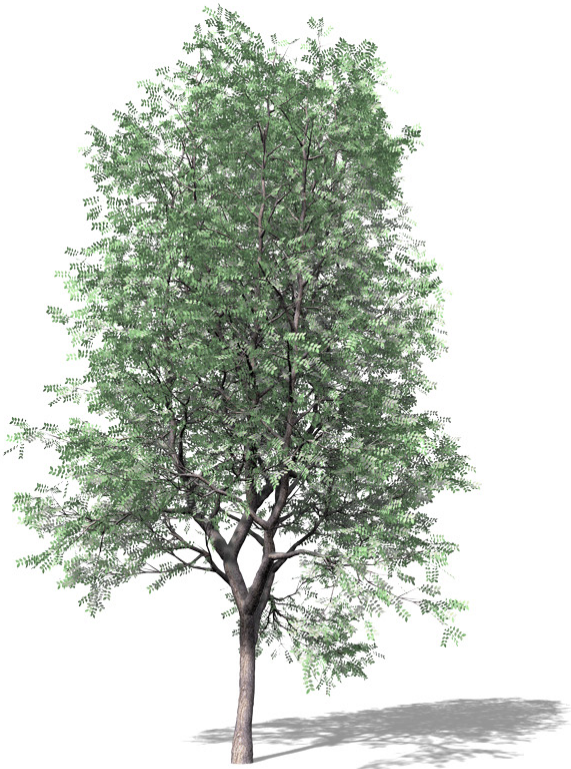
Climate : mild

Notes :

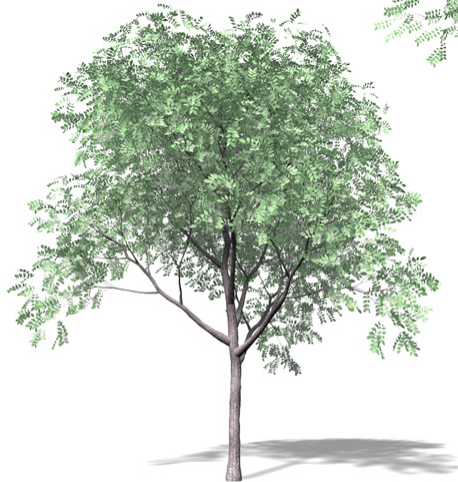
The American Beech grows on well-drained soils. It is a much smaller tree than the European beech, but it's appreciated as well for decoration. The inner parts of the fruit are edible and used today as fodder (pigs love them), but until not much time ago, they also used to be a food for men.

06. Kentucky Coffee Tree

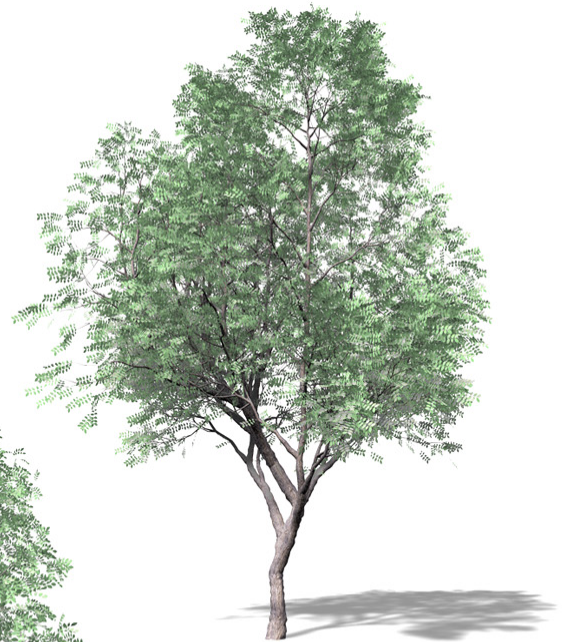
(*Gymnocladus dioicus*)



adult age
20 meters



young age
6.5 meters



medium age
11 meters

Tree, deciduous broadleaf **Shape:** broad columnar

Origin : Central and Eastern USA

Environment : moist forests

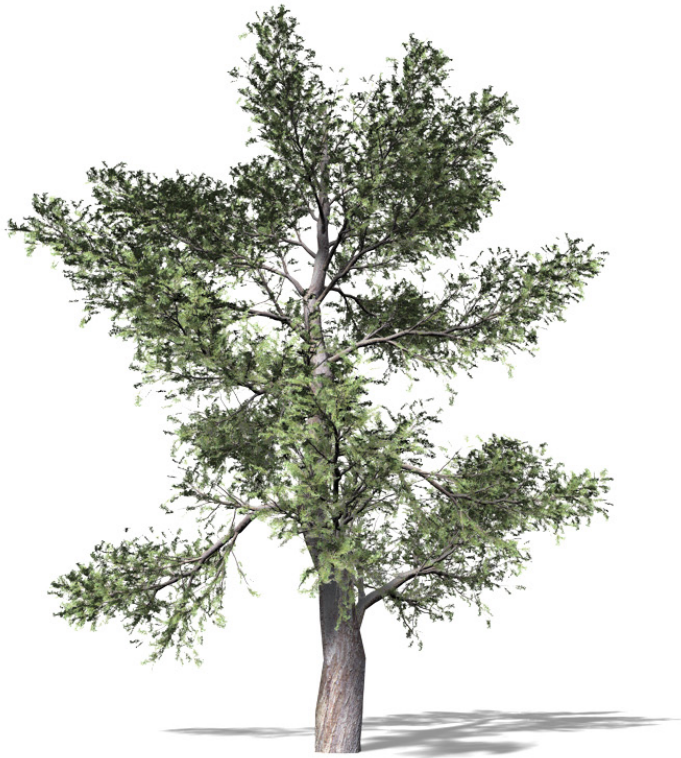
Climate : mild, temperate, cool

Notes :

The Kentucky Coffee Tree has a reason for its name: the seeds, in fact, can be toasted and ground to produce a coffee substitute. The slender, elegant shape of the tree and the leaves make of the Kentucky Coffee Tree a good choice for urban decoration. It is tolerant of freezing winters.

07. Red Juniper

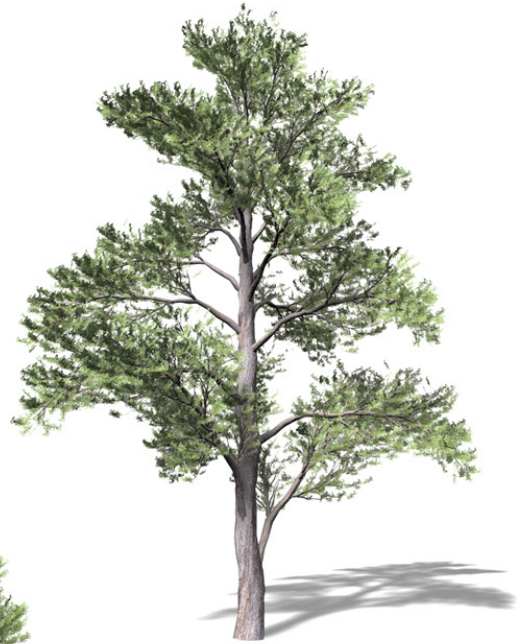
(*Juniperus virginiana*)



adult age
23.5 meters



young age
3.5 meters



medium age
10 meters

Tree, evergreen conifer

Shape: narrow columnar

Origin : East of North America (from Hudson bay to Florida and Texas)

Environment : forests, rocky slopes

Climate : mild

Notes :

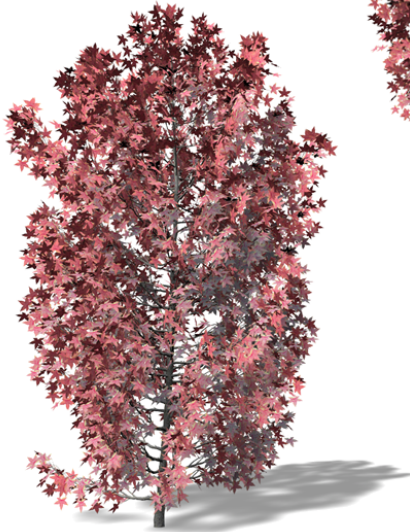
Also non appropriately known as Eastern Red Cedar, Red Cedar, or Pencil Cedar, the Red Juniper is widely distributed and planted. It grows slowly and it is not demanding with regards to soil. The wood is considered the best to make pencils, but it's also used for floors and for cabinet closets, because the scent keep insects away.

08. Sweet Gum

(*Liquidambar styraciflua*)



adult age
28 meters



young age
6 meters



medium age
16 meters

Tree, deciduous broadleaf **Shape:** broad conical

Origin : East of USA, Mexico, Central America

Environment : moist forests

Climate : mild

Notes :

Both the vulgar and Latin names hint at the look and consistency of the resin, which is used for production of glues, perfumes, and incense. The Sweet Gum can grow very tall, but the branches do not expand, a quality that makes it ideal for boulevards. The gorgeous autumn colours make it a primary choice for decoration.

09. Tuliptree

(*Liriodendron tulipifera*)



adult age
33 meters



young age
4.5 meters



medium age
21 meters

Tree, deciduous broadleaf **Shape:** broad columnar

Origin : Northeast of North America

Environment : hill forests, in sunny places, on deep, humid soil

Climate : mild, temperate

Notes :

The Tuliptree (Indiana, Kentucky and Tennessee State tree), called after the shape of the blossoms, is a very ancient species. It is drought-intolerant.

The tall size of the trunk made Tuliptree the tree of choice for Native Americans to build long canoes. Today it is often found in city parks because of the beautiful Autumn colour.

10. Southern Magnolia

(*Magnolia grandiflora*)



adult age
17 meters



young age
4 meters



medium age
12 meters

Tree, evergreen broadleaf **Shape:** broad conical

Origin : Southeast of USA, Mexico (gulf area)

Environment : on river sides and humid places of coastal plains

Climate : warm, mild

Notes :

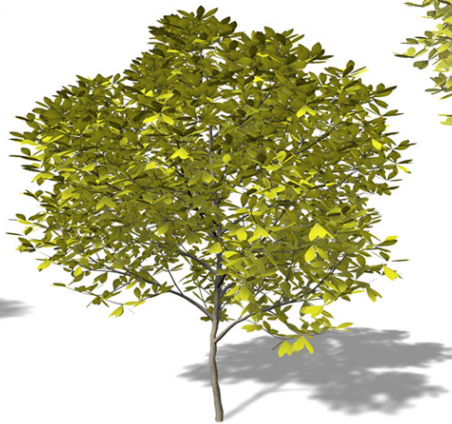
The Southern Magnolia (Mississippi State tree) grows very slowly, on deep, fertile neutral or acidic soils. It is frost-intolerant. It starts blooming only at 20 years of age. The long-lasting, big Summer blossoms made it one of the most appreciated decorative trees all over the world (where climate allows).

11. Umbrella Magnolia

(*Magnolia tripetala*)



adult age
12.5 meters



young age
4 meter



medium age
6 meters

Tree, deciduous broadleaf **Shape:** broad spreading

Origin : East of USA

Environment : moist forested valleys

Climate : mild

Notes :

The Latin name "tripetala" is probably due to the petal-like look of the three large white sepals of the flowers, whose strong scent can be unpleasant for some. Blossoming begins in the early summer. The genus name "Magnolia" honours the French botanist Pierre Magnol.

12. Eastern White Pine

(*Pinus strobus*)



adult age
28 meters



young age
5.5 meters



medium age
15 meters

Tree, evergreen conifer **Shape:** narrow conical

Origin : East of North America

Environment : forests, at low altitudes, on loamy, humid soil

Climate : mild, temperate

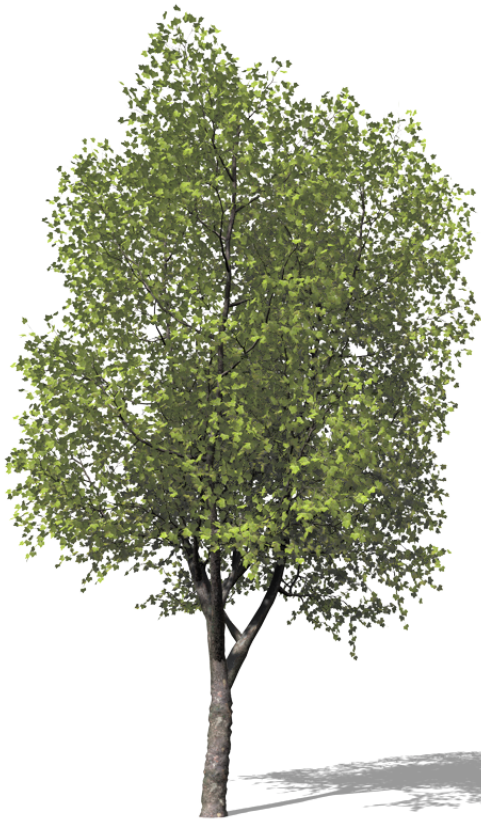
Notes :

The White Pine (Maine and Michigan State tree, Ontario provincial tree) is a fast-growing tree intolerant of calcareous soils and stagnations. It grows of preference in direct sunlight, but tolerates also a partial shade.

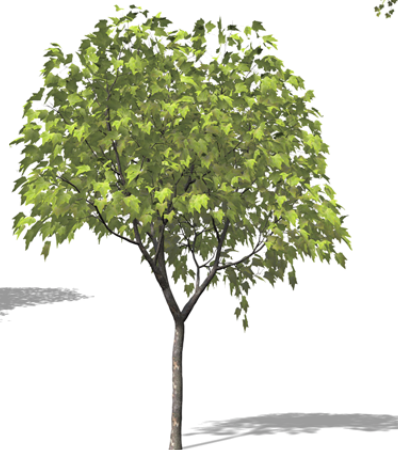
It poorly stands pollution and for this reason it is not used for urban decoration as extensively as it would deserve.

13. American Planetree

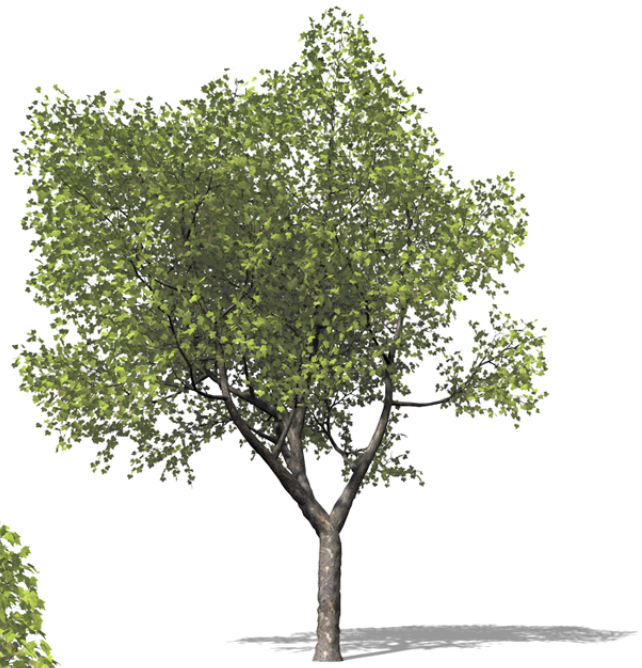
(*Platanus occidentalis*)



adult age
27 meters



young age
6.5 meters



medium age
17.5 meters

Tree, deciduous broadleaf **Shape:** broad columnar

Origin : East of North America

Environment : humid forests, on fertile, moist soil

Climate : mild, temperate

Notes :

Also known as American Sycamore (and not to be confused with the Mountain Maple, which is also called Sycamore Maple), the American Planetree is highly decorative and one of the most resistant trees to pollution and pruning, but like all planetrees it is seriously endangered by many insects and fungi-induced diseases.

14. Red Oak

(*Quercus rubra*)



adult age
20.5 meters



young age
6.5 meters



medium age
13 meters

Tree, deciduous broadleaf **Shape:** broad spreading

Origin : Northeast of North America

Environment : mountain forests, on deep, well-drained soil

Climate : mild, temperate

Notes :

The Red Oak (Prince Edward Island provincial tree) is not a competitive species and needs space and sun to grow. The very fast growth rate (2,5 m. per year) and the tolerance of cold and of acidic soils make it important for wood production. The bark, rich in tannin, is used by the leather industry.

15. Staghorn Sumac

(*Rhus typhina*)



adult age
10.5 meters



young age
3.5 meters



medium age
10 meters

Tree/Shrub, deciduous broadleaf **Shape:** broad spreading

Origin : East of North America

Environment : meadows and scrub, on dry, sometimes rocky soil

Climate : mild, temperate

Notes :

The Staghorn Sumac often grows at the margins of woods. It also grows on river sides, as long as the soil is well-drained. It is a very popular choice for urban decoration, because of the umbrella-like shape and of the Autumn leaves, whose bright reds and oranges create an absolutely stunning visual set.

16. Palmetto

(*Sabal Palmetto*)



adult age
19 meters



young age
8.5 meters



medium age
17 meters

Palm

Origin : East coast of North America (from North Carolina to Florida)

Environment : coastal areas

Climate : warm, mild

Notes :

Also known as Cabbage Palm (South Carolina State tree), this is a typical landmark of the coasts of South and North Carolina, Georgia, and Florida.

The leaf bud is very much appreciated for salads, but this food use can be dangerous for the safety of a palm with such a slow growth. It is a cold-resistant palm.

17. Bald Cypress

(*Taxodium distichum*)



adult age
30 meters



young age
7 meters



medium age
22 meters

Tree, deciduous conifer **Shape:** broad spreading

Origin : Southeast of North America

Environment : swamps and river sides

Climate : mild, warm

Notes :

The Bald Cypress (Louisiana State tree) grows in the swamps, in low stagnating waters. To get oxygen, the roots grow out of the ground and above the waters, giving the tree it's unique look. When planted in non-stagnating soils, the roots don't show up. In Autumn the leaves turn to a rusty red colour and fall (hence the name).

18. Eastern Arborvitae

(*Thuja occidentalis*)



adult age
19.5 meters



young age
4.5 meters



medium age
10 meters

Tree, evergreen conifer **Shape:** narrow conical

Origin : East of North America

Environment : mountain slopes, swamps, on calcareous soil

Climate : temperate, cool

Notes :

Also known as American Arborvitae or White Cedar. Arborvitae is Latin for "tree of life" and name is by a French explorer of the 16th century who learned that Indians used the leaves to treat scurvy. It tolerates cold and pollution, and although native of a humid environment, it is resistant to dry spells. The wood has a fragrant scent.

19. American Linden

(*Tilia americana*)



adult age
20.5 meters

young age
7.5 meters

medium age
11.5 meters

Tree, deciduous broadleaf **Shape:** broad columnar

Origin : East of North America

Environment : moist forests, on deep, loamy soil

Climate : mild, temperate

Notes :

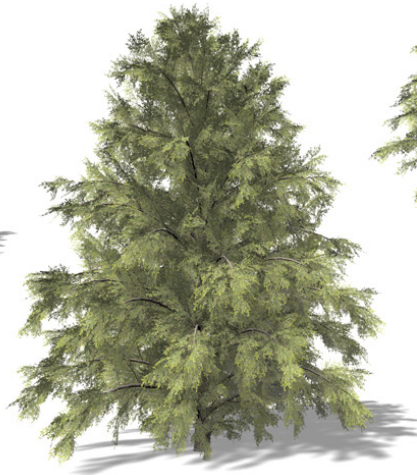
Also known as Basswood, Lime, or Whitewood. The most evident feature of the American Linden is the size (up to 25 cm.) of the very large leaves, which can be several times bigger than those of it's many Asian and European relatives. It is much appreciated for the shade it provides in the Summer.

20. Eastern Hemlock

(*Tsuga canadensis*)



adult age
20.5 meters



young age
5.5 meters



medium age
15 meters

Tree, evergreen conifer **Shape:** broad conical

Origin : East of North America

Environment : hills or mountain woods, in partial shade

Climate : temperate, cool

Notes :

The Eastern Hemlock (Pennsylvania State tree) grows well almost everywhere, except on calcareous soil. It is intolerant of direct sunlight. Widely diffused outside of its native areas as ornamental tree, the Eastern Hemlock is also cultivated for the wood, used for both paper production and as building material.

