

Climate-resilient and urban-adaptable shade trees

Eastern redbud |
Cercis canadensis



Height: 15 to 35 ft
Width: 15 to 25 ft
Sun: partial shade to full sun
Soil: well-drained to moist
Description: a tree noted for its pink springtime flowers that attracts butterflies and other pollinators.



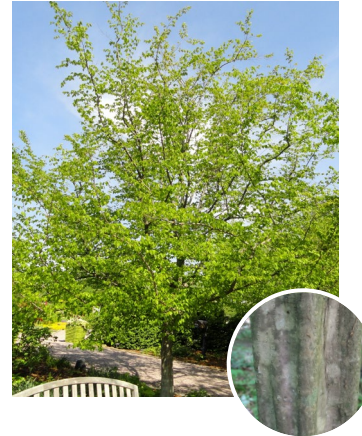
American hophornbeam
| *Ostrya virginiana*



Height: 25 to 40 ft
Width: 15 to 25 ft
Sun: partial shade to full sun
Soil: well-drained to moist
Description: a slow growing, hardy understory tree that does particularly well in hilly areas.



American hornbeam
| *Carpinus caroliniana*



Height: 20 to 30 ft
Width: 20 to 30 ft
Sun: full shade to full sun
Soil: well-drained to moist
Description: a slow-growing tree with springtime flowers and unique, muscle-like bark.



black gum |
Nyssa sylvatica



Height: 30 to 50 ft
Width: 20 to 30 ft
Sun: partial shade to full sun
Soil: well-drained to moist
Description: a slow-growing tree with scarlet leaves in fall and berries that attract birds.



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black locust | *Robinia pseudo-Acacia*



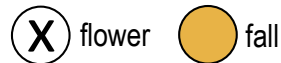
Height: 30 to 60 ft
Width: 10 to 15 ft
Sun: full sun
Soil: adaptable
Description: a fast-growing tree with white flowers blooming in the late spring and bark with a thick, ropy texture.



river birch | *Betula nigra*



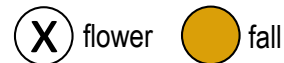
Height: 35 to 50 ft
Width: 30 to 40 ft
Sun: partial shade to full sun
Soil: well-drained to wet
Description: a fast-growing tree with flaking bark that attracts birds.



willow oak | *Quercus phellos*



Height: 40 to 75 ft
Width: 30 to 50 ft
Sun: full sun
Soil: medium to wet
Description: a fast-growing tree with leaves similar in shape to those of a willow tree.



swamp white oak | *Quercus bicolor*



Height: 30 to 50 ft
Width: 20 to 30 ft
Sun: partial shade to full sun
Soil: well-drained to moist
Description: a slow-growing tree with scarlet leaves in fall and berries that attract birds.



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white oak |
Quercus alba



Height: 50 to 80 ft
Width: 50 to 80 ft
Sun: full sun
Soil: moist to well-drained
Description: a species of oak noted for the comparatively light color of its bark and wood. Maryland's state tree.

flower fall

scarlet oak |
Quercus coccinea



Height: 70 to 75 ft
Width: 40 to 50 ft
Sun: full sun
Soil: dry to medium wet
Description: a species of oak notable for its brilliant scarlet color in the fall.

flower fall

pin oak |
Quercus palustris



Height: 60 to 70 ft
Width: 25 to 40 ft
Sun: full sun
Soil: well-drained to very wet
Description: a fast-growing tree that has a narrower form than the willow oak.

flower fall