URBAN TREE PLANNER

Choose the right city tree for the right site based on the average height, width and sun tolerance for each species.

HARDINESS ZONES **6A–8B**

NARROW TRUNK **1–2.5 FEET WIDE**

WIDE TRUNK **2.5–5 FEET WIDE**

SUN FULL SUN

SHADE PART SHADE

DROUGHT TOLERANT · MOIST SOIL

FOLIAGE · FLOWER · NUT · FRUIT · CONIFER · POLLINATOR

Large
50+ feet tall

NARROW TRUNK

SUN

DROUGHT TOLERANT
- Carya tomentosa
- Gingko biloba
- Gymnocladus dioicus
- Quercus coccinea
- Quercus falcata
- Styphnolobium japonicum

MOIST SOIL
- Castanea dentata
- Liquidambar styraciflua
- Prunus serotina
- Quercus bicolor
- Quercus nigra

SHADE

DROUGHT TOLERANT
- Prunus serotina

MOIST SOIL
- Quercus bicolor
- Quercus nigra

WIDE TRUNK

SUN

DROUGHT TOLERANT
- Acer nigrum
- Acer rubrum
- Carya pallida
- Juglans nigra
- Platanus × acerifolia
- Quercus paulistris
- Quercus phellos
- Quercus robur
- Quercus rubra
- Tilia americana
- Tilia cordata
- Tilia tomentosa
- Ulmus americana
- Ulmus rubra

MOIST SOIL
- Acer saccharinum
- Carya cordiformis
- Carya glabra
- Carya ovalis
- Carya ovata
- Liriodendron tulipifera
- Metasequoia glyptostroboides
- Quercus alba
- Quercus lyrata
- Quercus macrocarpa
- Taxodium distichum

SHADE

DROUGHT TOLERANT
- Aesculus hippocastanum

MOIST SOIL
- Quercus alba
- Taxodium distichum

Trees speak to each other!
They connect through complex underground networks of fungi to share water and resources.

Medium
25-50 feet tall

NARROW TRUNK

SUN

DROUGHT TOLERANT
- Acer campestre
- Catalpa bignonioides
- Celtis occidentalis
- Eucommia ulmoides
- Juglans cinerea
- Juniperus virginiana
- Morus rubra
- Ostrya virginiana
- Parrotia persica
- Quercus imbricaria
- Quercus muehlenbergii
- Quercus shumardii
- Quercus stellata
- Robinia pseudoacacia

MOIST SOIL
- Acer negundo
- Chamaecyparis thyoides
- Cladrastis kentukea
- Cryptomeria japonica
- Maackia amurensis
- Maclura pomifera
- Nyssa sylvatica
- Oxydendrum arboreum
- Prunus sargentii
- Quercus nuttallii
- Quercus velutina

SHADE

DROUGHT TOLERANT
- Carpinus betulus
- Nyssa sylvatica

MOIST SOIL
- Betula lenta
- Magnolia sp
- Nyssa sylvatica

Trees release water vapor that cools the environment.
Shade from a tree can be 20°F to 45°F cooler than direct sunlight.

WIDE TRUNK

SUN

DROUGHT TOLERANT
- Betula nigra
- Quercus acutissima

MOIST SOIL
- Betula nigra
- Prunus sargentii

SHADE

DROUGHT TOLERANT
- Betula nigra

MOIST SOIL
- Betula nigra
- Cercidiphyllum japonicum
- Quercus michauxii

Small
10-25 feet tall

NARROW TRUNK

SUN

DROUGHT TOLERANT
- Acer campestre
- Acer tataricum
- Cotinus sp
- Crataegus × lavalleei
- Crataegus viridis
- Lagerstroemia sp
- Malus sp
- Parrotia persica
- Prunus okame
- Prunus virginiana
- Prunus yoshino
- Syringa reticulata

MOIST SOIL
- Amelanchier lamarckii
- Amelanchier × grandiflora
- Asimina triloba
- Cercis canadensis
- Chionanthus virginicus
- Cornus mas
- Maackia amurensis
- Prunus sargentii
- Styrax japonica

SHADE

DROUGHT TOLERANT
- Amelanchier laevis

MOIST SOIL
- Acer griseum
- Amelanchier canadensis
- Asimina triloba
- Carpinus caroliniana
- Chionanthus virginicus
- Cornus florida
- Halesia caroliniana
- Stewartia pseudocamellia

The Nature Conservancy

Enhancing CITY LIFE by PLANTING TREES