

# Shade Trees

Native to Utah:



Showy Flowers:



Narrow Parking Strips:



## Alder, Italian

*Alnus cordata*



**Notes:** Prefers full sun but can grow in part shade. Adapts well to urban conditions. Heart-shaped leaves persist into fall.

**Size:** 50h x 30w

**Growth Rate:** Fast

**Shape:** Rounded

**Zone:** 5

### Tolerance

Alkaline: Med

Salt: Med

Drought: Med

## Amur Corktree

*Phellodendron amurense*



**Notes:** Grows with a broad canopy and short trunk. Plant male varieties to avoid fruits. Bark is cork-like. Leaves are compound with 5-11 ovate leaflets.

**Size:** 40h x 40w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 3

### Tolerance

Alkaline: High

Salt: Med

Drought: High

## Beech, European

*Fagus sylvatica*



**Notes:** Great shade tree that can be shaped into a hedge and used for privacy screening. Oval green leaves turn copper brown in fall.

**Size:** 50h x 40w

**Growth Rate:** Slow

**Shape:** Rounded

**Zone:** 4

### Tolerance

Alkaline: Med

Salt: Low

Drought: Med

## Birch, River

*Betula occidentalis*



**Notes:** Multi-stemmed tree. More adaptable than most birches. Can be grown in full sun or in part shade. Leaves are oval green, turning dull yellow in fall.

**Size:** 50h x 30w

**Growth Rate:** Slow

**Shape:** Rounded

**Zone:** 3

### Tolerance

Alkaline: Med

Salt: Med

Drought: High

## Catalpa, Western

*Catalpa speciosa*



**Notes:** Large shade tree. Flowers are very fragrant though the fruits can be messy. Prefers full to part sun. Very large, heart-shaped leaves.

**Size:** 50h x 40w

**Growth Rate:** Fast

**Shape:** Rounded

**Zone:** 4

### Tolerance

Alkaline: High

Salt: Med

Drought: High

## Cherry, European or Bird

*Prunus padus*



**Notes:** White fragrant flowers bloom in mid to late spring. Prefers full sun and moist, well drained soils. Produces small black fruits. Leaves turn yellow to bronze in fall.

**Size:** 25h x 30w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 4

### Tolerance

Alkaline: Med

Salt: Low

Drought: Med

# Shade Trees

Native to Utah:



Showy Flowers:



Narrow Parking Strips:



## Cherry, Higan

*Prunus subhirtella*



**Notes:** Longer-lived tree than some other ornamental cherries. Light pink flowers bloom in early spring. Weeping varieties are available. Leaves turn yellowish in fall.

**Size:** 25h x 30w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 4

### Tolerance

Alkaline: Med

Salt: Low

Drought: Med

## Elm, American

*Ulmus americana*



**Notes:** Makes an excellent shade tree with a thick trunk. Select a variety resistant to Dutch elm disease. Leaves turn yellow in fall.

**Size:** 75h x 50w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 2

### Tolerance

Alkaline: High

Salt: Med

Drought: High

## Elm, Lacebark

*Ulmus parvifolia*



**Notes:** Beautiful tree with attractive bark and resistance to Dutch elm disease. Adaptable to a variety of soil conditions. Leaves turn reddish-purple in fall.

**Size:** 40h x 40w

**Growth Rate:** Medium

**Shape:** Spreading

**Zone:** 4

### Tolerance

Alkaline: High

Salt: Med

Drought: High

## Goldenrain Tree

*Koelreuteria paniculata*



**Notes:** A tree that tolerates many conditions. Its name is due to the sprays of yellow flowers in the spring, followed by yellowish-pink fruits resembling paper lanterns. No fall color of note.

**Size:** 30h x 30w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 5

### Tolerance

Alkaline: High

Salt: High

Drought: High

## Hackberry, Common

*Celtis occidentalis*



**Notes:** Leaves emerge later than other trees and flowers emerge soon after. Fruits are often retained through the winter. No fall color of note.

**Size:** 40h x 40w

**Growth Rate:** Fast

**Shape:** Rounded

**Zone:** 2

### Tolerance

Alkaline: High

Salt: Med

Drought: High

## Hickory, Shellbark

*Carya laciniosa*



**Notes:** This walnut-relative is a sturdy tree with a straight trunk and deep taproot. Leaves are compound and turn yellow-bronze in fall.

**Size:** 40h x 30w

**Growth Rate:** Slow

**Shape:** Rounded

**Zone:** 5

### Tolerance

Alkaline: Low

Salt: Low

Drought: Med

# Shade Trees

Native to Utah:



Showy Flowers:

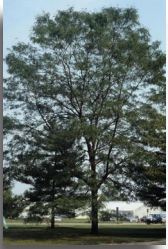


Narrow Parking Strips:



## Honeylocust

*Gleditsia triacanthos*



**Notes:** Native to eastern U.S. A tough tree with several varieties available. Leaves are compound and lace-like, so difficult to rake and not great for providing shade. Yellow fall color.

**Size:** 50h x 40w

**Growth Rate:** Fast

**Shape:** Rounded

**Zone:** 4

### Tolerance

Alkaline: High

Salt: High

Drought: High

## Hornbeam, European

*Carpinus betulus*



**Notes:** Pest-free tree that is often planted in clumps for privacy or windbreak. Leaves are oval, dark green, and turn yellow in fall.

**Size:** 50h x 40w

**Growth Rate:** Slow

**Shape:** Rounded

**Zone:** 4

### Tolerance

Alkaline: Med

Salt: Low

Drought: Med

## Horsechestnut

*Aesculus hippocastanum*



**Notes:** A large shade tree whose leaves can experience scorch in hot, dry conditions. Yellow fall color.

**Size:** 50h x 40w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 3

### Tolerance

Alkaline: Med

Salt: High

Drought: Med

## Japanese Pagoda Tree

*Sophora japonica*



**Notes:** Fragrant, pea-sized, white flowers bloom in mid-summer on trees older than 10 years. Tolerant of heat, dry soils, pests. Seeds can be messy. Leaves are an attractive bright green and turn a soft yellow in fall.

**Size:** 40h x 30w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 4

### Tolerance

Alkaline: High

Salt: Med

Drought: Med

## Katsura Tree

*Cercidiphyllum japonicum*



**Notes:** Makes an excellent shade tree. Prefers moist soils but otherwise tolerant of most soil types. Blue-green, smooth leaves turn yellow to orange-red in fall.

**Size:** 45h x 30w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 4

### Tolerance

Alkaline: Med

Salt: Med

Drought: Low

## Kentucky Coffeetree

*Gymnocladus dioica*



**Notes:** A large shade tree that has very heavy, upright branches and prefers well-drained soils. Leathery, reddish brown seed pods add winter interest. Leaves are bluish-green and turn yellow in fall.

**Size:** 50h x 35w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 3

### Tolerance

Alkaline: High

Salt: Med

Drought: High

# Shade Trees

Native to Utah:



Showy Flowers:



Narrow Parking Strips:



## Larch, European

*Larix decidua*



**Notes:** Several varieties are available, including weeping. A deciduous tree whose needles turn yellow in fall.

**Size:** 70h x 30w

**Growth Rate:** Fast

**Shape:** Pyramidal

**Zone:** 2

### Tolerance

Alkaline: Med

Salt: High

Drought: Low

## Linden or Basswood

*Tilia americana*



**Notes:** A large shade tree native to eastern U.S. with a dense canopy. Fragrant, creamy-white flowers bloom in late spring, attracting numerous pollinators. Dark green leaves turn yellow in fall.

**Size:** 60h x 40w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 2

### Tolerance

Alkaline: High

Salt: Low

Drought: Med

## Linden, Littleleaf

*Tilia cordata*



**Notes:** One of the most popular lindens with a tight, upright, symmetrical canopy. Fragrant, creamy-white flowers bloom in late spring, attracting numerous pollinators. Leaves are dark green above and silvery underneath.

**Size:** 60h x 30w

**Growth Rate:** Medium

**Shape:** Pyramidal

**Zone:** 3

### Tolerance

Alkaline: High

Salt: Med

Drought: Med

## Linden, Silver

*Tilia tomentosa*



**Notes:** Similar growth habit to other lindens but leaves are more silvery on the underside. Fragrant, creamy-white flowers bloom in late spring, attracting numerous pollinators. Tolerant of many soil types.

**Size:** 60h x 40w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 4

### Tolerance

Alkaline: High

Salt: Med

Drought: Med

## London Planetree

*Platanus x acerifolia*



**Notes:** A very large shade tree that is well-adapted and resilient to urban environments. Mottled bark provides winter interest. Is susceptible to the disease, anthracnose.

**Size:** 70h x 50w

**Growth Rate:** Fast

**Shape:** Rounded

**Zone:** 3

### Tolerance

Alkaline: Med

Salt: Med

Drought: High

## Mountain Mahogany, Curlleaf

*Cercocarpus ledifolius*



**Notes:** A medium-sized native shrub with long, rolled, leathery leaves that are evergreen leaves. A great choice for water-efficient landscapes.

**Size:** 20h x 30w

**Growth Rate:** Medium

**Shape:** Irregular

**Zone:** 3

### Tolerance

Alkaline: High

Salt: Med

Drought: High

# Shade Trees

Native to Utah:



Showy Flowers:

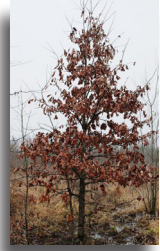


Narrow Parking Strips:



## Oak, American Dream

*Quercus bicolor* 'JFS-KW12'



**Notes:** Forms a dense, pyramidal canopy that creates strong shade. Leaves are a glossy dark green and persist into early winter.

**Size:** 50h x 40w

**Growth Rate:** Slow

**Shape:** Pyramidal

**Zone:** 3

### Tolerance

Alkaline: Low

Salt: Low

Drought: Med

## Oak, Bur

*Quercus macrocarpa*



**Notes:** A large shade tree native to the Midwest that forms a dense canopy and large trunk. Adaptable to a wide variety of environments. Leaves are large and glossy green.

**Size:** 65h x 50w

**Growth Rate:** Medium

**Shape:** Spreading

**Zone:** 2

### Tolerance

Alkaline: High

Salt: Med

Drought: High

## Oak, Chinkapin

*Quercus muehlenbergii*



**Notes:** A member of the white oak group that is tolerant of all soil types include Utah's alkaline soils. The light-gray bark and branch structure provide a nice silhouette in winter. A long taproot makes it difficult to transplant.

**Size:** 50h x 50w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 4

### Tolerance

Alkaline: High

Salt: Med

Drought: High

## Oak, English

*Quercus robur*



**Notes:** A large shade tree that forms a dense canopy and large trunk. Leaves are deep green with no fall color of note.

**Size:** 60h x 50w

**Growth Rate:** Medium

**Shape:** Spreading

**Zone:** 4

### Tolerance

Alkaline: High

Salt: High

Drought: Med

## Oak, Shumard

*Quercus shumardii*



**Notes:** Vigorous growth forms a large shade tree with a dense canopy, great for the urban environment. Tolerates drought but prefers moist soils. Dark green leaves turn a red fall color.

**Size:** 60h x 50w

**Growth Rate:** Medium

**Shape:** Pyramidal

**Zone:** 5

### Tolerance

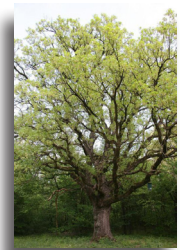
Alkaline: High

Salt: Med

Drought: High

## Oak, Turkey

*Quercus cerris*



**Notes:** A small shade tree native to parts of eastern U.S. that tolerates dry, sandy soils. The stout, spreading branches form a broad, irregular-shaped crown.

**Size:** 60h x 60w

**Growth Rate:** Medium

**Shape:** Irregular

**Zone:** 5


### Tolerance


Alkaline: High

Salt: Med

Drought: High

# Shade Trees

Native to Utah: 

Showy Flowers: 

Narrow Parking Strips: 

## Pine, Austrian

*Pinus nigra*



**Notes:** Canopy becomes more umbrella-shaped with age for this very hardy tree. Needles are sharp and bluish-green.

**Size:** 60h x 40w

**Growth Rate:** Medium

**Shape:** Pyramidal

**Zone:** 4

### Tolerance

Alkaline: High

Salt: High

Drought: High

## Pine, Japanese White

*Pinus parviflora*



**Notes:** A smaller pine tree that develops an open canopy with age. Needles are soft, long, and a blue-green color.

**Size:** 40h x 40w

**Growth Rate:** Slow

**Shape:** Pyramidal

**Zone:** 4

### Tolerance

Alkaline: Med

Salt: Med

Drought: Med

## Pine, Scotch

*Pinus sylvestris*



**Notes:** Large pine with reddish bark that tolerates harsh conditions. Can be used as a windbreak or screening.

**Size:** 60h x 35w

**Growth Rate:** Medium

**Shape:** Pyramidal

**Zone:** 2

### Tolerance

Alkaline: Med

Salt: Low

Drought: High

## Tulip-poplar

*Liriodendron tulipifera*



**Notes:** Not a poplar, but a member of the Magnolia family that forms a tall, straight trunk and dense shade. Blooms in late spring resemble the shape of tulips and persist for 2-3 weeks. Dull yellow fall color.

**Size:** 50h x 35w

**Growth Rate:** Fast

**Shape:** Pyramidal

**Zone:** 4

### Tolerance

Alkaline: Med

Salt: Low

Drought: Med

## Yellowwood

*Cladrastis kentukea*



**Notes:** An excellent shade tree with fragrant, white, pea-sized flowers in summer. It is adaptable to a variety of growing conditions. The bright green leaves turn yellow in fall.

**Size:** 40h x 40w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 4

### Tolerance

Alkaline: High

Salt: Med

Drought: Med

## Zelkova

*Zelkova serrata*



**Notes:** An upright, tough shade tree whose foliage resembles elm. Grows in most soil types but prefers well-drained soil and full sun to part shade. Leaves turn orange to yellow in fall.

**Size:** 50h x 40w

**Growth Rate:** Medium

**Shape:** Rounded

**Zone:** 5

### Tolerance

Alkaline: Med

Salt: Med

Drought: High

Common Name	Botanical Name	Image Credit
Alder, Italian	<i>Alnus cordata</i>	Wikipedia.org
Amur Corktree	<i>Phellodendron amurense</i>	Patrick Breen, Oregon State University, Bugwood.org
Beech, European	<i>Fagus sylvatica</i>	By Fagus_sylvatica_020.jpg: Willowderivative work: Bff (talk) - Fagus_sylvatica_020.jpg, CC BY 2.5
Birch, River	<i>Betula occidentalis</i>	John Phelan, Wikipedia.org
Catalpa, Western	<i>Catalpa speciosa</i>	Richard Webb, Bugwood.org
Cherry, European or Bird	<i>Prunus padus</i>	Michael Shephard, USDA Forest Service, Bugwood.org
Cherry, Higan	<i>Prunus subhirtella</i>	John Ruter, University of Georgia, Bugwood.org
Elm, American	<i>Ulmus americana</i>	Joseph O'Brien, USDA Forest Service, Bugwood.org
Elm, Lacebark	<i>Ulmus parvifolia</i>	Michasia Dowdy, University of Georgia, Bugwood.org
Goldenrain Tree	<i>Koelreuteria paniculata</i>	John Ruter, University of Georgia, Bugwood.org
Hackberry, Common	<i>Celtis occidentalis</i>	Vern Wilkins, Indiana University, Bugwood.org
Hickory, Shellbark	<i>Carya laciniosa</i>	T. Davis Sydnor, The Ohio State University, Bugwood.org
Honeylocust	<i>Gleditsia triacanthos</i>	John Ruter, University of Georgia, Bugwood.org
Hornbeam, European	<i>Carpinus betulus</i>	John Ruter, University of Georgia, Bugwood.org
Horsechestnut	<i>Aesculus hippocastanum</i>	By Jean-Pol GRANDMONT - Own work, CC BY 3.0
Japanese Pagoda Tree	<i>Sophora japonica</i>	Jean-Pol GRANDMONT, Wikipedia.org
Katsura Tree	<i>Cercidiphyllum japonicum</i>	John Ruter, University of Georgia, Bugwood.org
Kentucky Coffeetree	<i>Gymnocladus dioica</i>	John Ruter, University of Georgia, Bugwood.org
Larch, European	<i>Larix decidua</i>	By Sciadopitys from UK - Larix decidua, CC BY-SA 2.0
Linden or Basswood	<i>Tilia americana</i>	By Simon Villeneuve - Own work, CC BY-SA 4.0
Linden, Littleleaf	<i>Tilia cordata</i>	By Gmihail at Serbian Wikipedia - Own work, CC BY-SA 3.0 rs
Linden, Silver	<i>Tilia tomentosa</i>	Robert Vidéki, Doronicum Kft., Bugwood.org
London Planetree	<i>Platanus x acerifolia</i>	Tom DeGomez, University of Arizona, Bugwood.org
Mountain Mahogany, Curlleaf	<i>Cercocarpus ledifolius</i>	Vanessa Richins Myers, About.com, Bugwood.org
Oak, American Dream	<i>Quercus bicolor</i> 'JFS-KW12'	Vern Wilkins, Indiana University, Bugwood.org
Oak, Bur	<i>Quercus macrocarpa</i>	Jason Sharman, Vitalitree, Bugwood.org
Oak, Chinkapin	<i>Quercus muehlenbergii</i>	Jason Sharman, Vitalitree, Bugwood.org
Oak, English	<i>Quercus robur</i>	Robert Vidéki, Doronicum Kft., Bugwood.org
Oak, Shumard	<i>Quercus shumardii</i>	Vern Wilkins, Indiana University, Bugwood.org
Oak, Turkey	<i>Quercus cerris</i>	Robert Vidéki, Doronicum Kft., Bugwood.org
Pine, Austrian	<i>Pinus nigra</i>	Bill Cook, Michigan State University, Bugwood.org
Pine, Japanese White	<i>Pinus parviflora</i>	By Daderot - Own work, CCO
Pine, Scotch	<i>Pinus sylvestris</i>	John Ruter, University of Georgia, Bugwood.org
Tulip-poplar	<i>Liriodendron tulipifera</i>	By Jean-Pol GRANDMONT - Own work, CC BY 3.0
Yellowwood	<i>Cladrastis kentukea</i>	John Ruter, University of Georgia, Bugwood.org
Zelkova	<i>Zelkova serrata</i>	Richard Webb, Bugwood.org