

Benefits of Urban Trees

Environmental benefits

- ✿ Trees improve air quality
- ✿ Trees reduce stormwater runoff and erosion
- ✿ Trees modify local climate
- ✿ Trees create habitat and provide food and shelter for wildlife
- ✿ Tree planting contributes to the conservation of biodiversity
- ✿ Trees serve as screens and buffers

Economic benefits

- ✿ Trees conserve energy
- ✿ Trees increase property values
- ✿ Trees are good for the economy

Social benefits

- ✿ Trees make life more pleasant

Community benefits

- ✿ Trees promote healthier communities
- ✿ Trees are a part of our natural and cultural heritage
- ✿ When you plant a tree you plant stories

The Well-Chosen Tree

Evaluating the site - consider:

- ✿ Space constraints
- ✿ Street tree requirements
- ✿ Utility lines (electric, gas, water, sewer, cable, and telephone)
- ✿ Structures (homes, sidewalks and fences)
- ✿ Soil and drainage
- ✿ Exposure (sun and wind)

Choosing the right tree - consider:

- ✿ Function and landscape value
- ✿ Growth habit (form and size)
- ✿ Growth rate
- ✿ Culture (aspect, soil type and Ph, drainage)
- ✿ Native range and habitat
- ✿ Deciduous/evergreen
- ✿ Disease and insect resistance
- ✿ Hardiness zone
- ✿ Human activity
- ✿ Purchasing a healthy tree

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Planting Your Tree

Storing the Tree

If planting is delayed, keep the roots moist.

Preparing the Hole

Dig the hole as deep as the root ball, and as much as three times as wide as the diameter of the root ball. Break up the soil around the tree.

Placing Your Tree

Place the tree carefully in the center of the hole. The tree's root collar (the bulge right above the root system) should be just above the top of the soil. Don't dig the hole too deep. It is better if the root collar is slightly (1 to 2") higher than ground level because of possible settling.

Filling the Hole

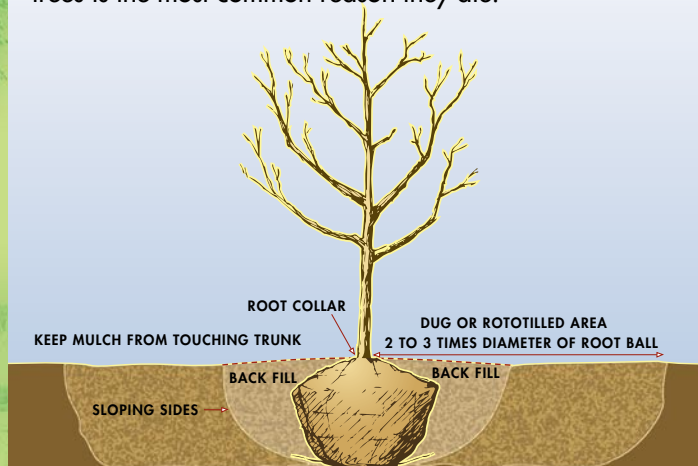
Carefully fill the hole with the soil when the tree is positioned and straight. Fill the hole about 1/3 full and lightly push the soil around the base of the root ball. Fill the remainder of the hole, taking care to gently but firmly pack soil to eliminate air pockets. Back fill the soil to the height just below the root collar.

Mulching the Tree

Place 2 to 4 inches of mulch in a 2 to 3 foot circle around the tree. Keep the mulch from touching the trunk to keep fungus from growing on the trunk. It is not recommended to apply fertilizer at the time of planting.

Watering the Tree

Water the tree well as soon as you plant it. Water the tree at least once a week for the first year after planting. A slow, root-saturating, one-hour trickle once a week is recommended for a new tree. Not watering newly planted trees is the most common reason they die.



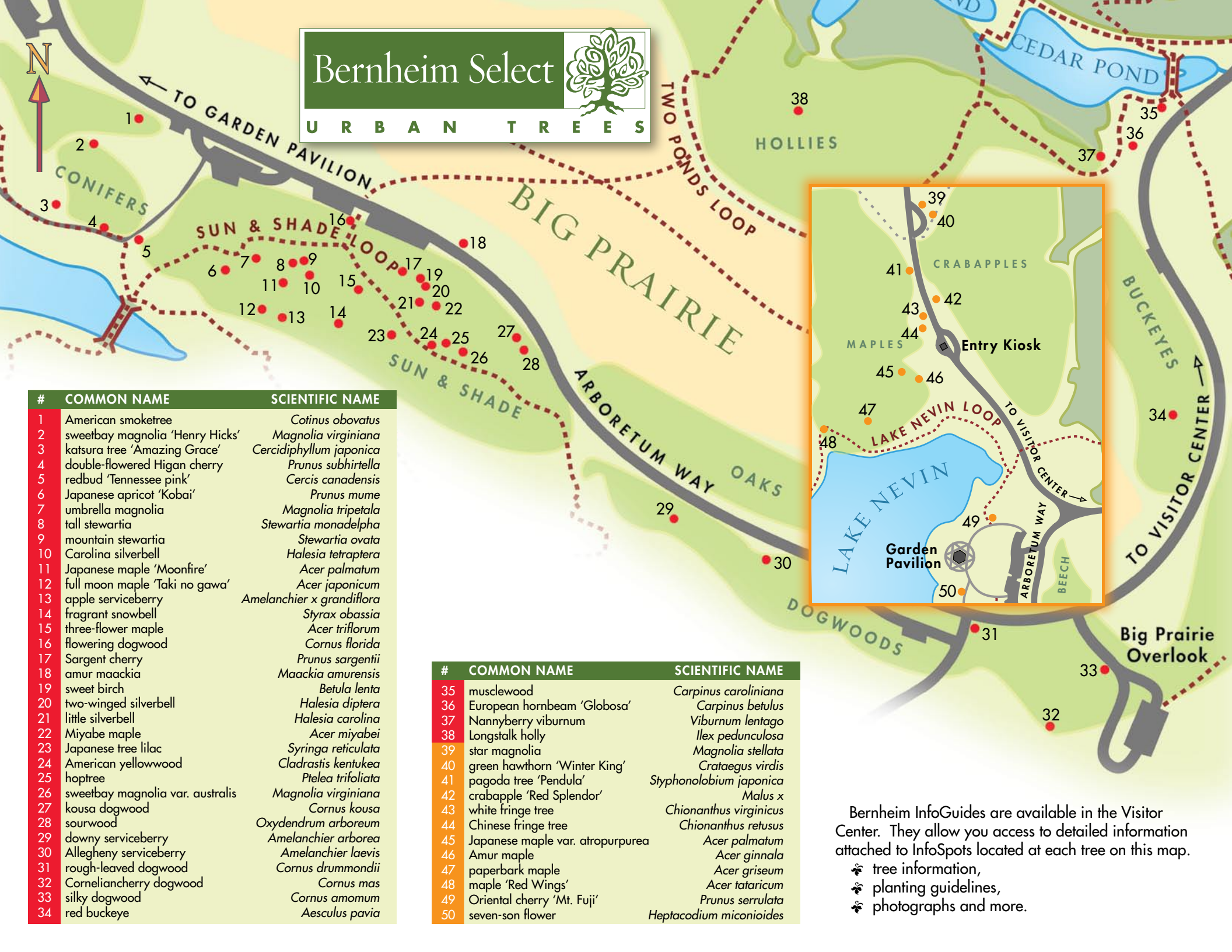
50 SELECT Urban Trees

FOR KENTUCKY

Bernheim Select



U R B A N T R E E S



#	COMMON NAME	SCIENTIFIC NAME
1	American smoketree	<i>Cotinus obovatus</i>
2	sweetbay magnolia 'Henry Hicks'	<i>Magnolia virginiana</i>
3	katsura tree 'Amazing Grace'	<i>Cercidiphyllum japonica</i>
4	double-flowered Higan cherry	<i>Prunus subhirtella</i>
5	redbud 'Tennessee pink'	<i>Cercis canadensis</i>
6	Japanese apricot 'Kobai'	<i>Prunus mume</i>
7	umbrella magnolia	<i>Magnolia tripetala</i>
8	tall stewartia	<i>Stewartia monadelphra</i>
9	mountain stewartia	<i>Stewartia ovata</i>
10	Carolina silverbell	<i>Halesia tetraptera</i>
11	Japanese maple 'Moonfire'	<i>Acer palmatum</i>
12	full moon maple 'Taki no gawa'	<i>Acer japonicum</i>
13	apple serviceberry	<i>Amelanchier x grandiflora</i>
14	fragrant snowbell	<i>Styrax obassia</i>
15	three-flower maple	<i>Acer triflorum</i>
16	flowering dogwood	<i>Cornus florida</i>
17	Sargent cherry	<i>Prunus sargentii</i>
18	amur maackia	<i>Maackia amurensis</i>
19	sweet birch	<i>Betula lenta</i>
20	two-winged silverbell	<i>Halesia diptera</i>
21	little silverbell	<i>Halesia carolina</i>
22	Miyabe maple	<i>Acer miyabei</i>
23	Japanese tree lilac	<i>Syringa reticulata</i>
24	American yellowwood	<i>Cladrastis kentukea</i>
25	hoptree	<i>Ptelea trifoliata</i>
26	sweetbay magnolia var. australis	<i>Magnolia virginiana</i>
27	kousa dogwood	<i>Cornus kousa</i>
28	sourwood	<i>Oxydendrum arboreum</i>
29	downy serviceberry	<i>Amelanchier arborea</i>
30	Allegheny serviceberry	<i>Amelanchier laevis</i>
31	rough-leaved dogwood	<i>Cornus drummondii</i>
32	Corneliancherry dogwood	<i>Cornus mas</i>
33	silky dogwood	<i>Cornus amomum</i>
34	red buckeye	<i>Aesculus pavia</i>

#	COMMON NAME	SCIENTIFIC NAME
35	musclewood	<i>Carpinus caroliniana</i>
36	European hornbeam 'Globosa'	<i>Carpinus betulus</i>
37	Nannyberry viburnum	<i>Viburnum lentago</i>
38	Longstalk holly	<i>Ilex pedunculosa</i>
39	star magnolia	<i>Magnolia stellata</i>
40	green hawthorn 'Winter King'	<i>Crataegus viridis</i>
41	pagoda tree 'Pendula'	<i>Styphonolobium japonica</i>
42	crabapple 'Red Splendor'	<i>Malus x</i>
43	white fringe tree	<i>Chionanthus virginicus</i>
44	Chinese fringe tree	<i>Chionanthus retusus</i>
45	Japanese maple var. atropurpurea	<i>Acer palmatum</i>
46	Amur maple	<i>Acer ginnala</i>
47	paperbark maple	<i>Acer griseum</i>
48	maple 'Red Wings'	<i>Acer tataricum</i>
49	Oriental cherry 'Mt. Fuji'	<i>Prunus serrulata</i>
50	seven-son flower	<i>Heptacodium miconioides</i>

Bernheim InfoGuides are available in the Visitor Center. They allow you access to detailed information attached to InfoSpots located at each tree on this map.

- 🌳 tree information,
- 🌱 planting guidelines,
- 📷 photographs and more.