



*Planting Trees. Enriching Communities.*

4207 Lindell Boulevard, Suite 301  
St. Louis, MO 63108

(314) 533-5323 or [info@moreleaf.org](mailto:info@moreleaf.org)  
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# Avoiding Tree & Utility Conflicts

Determining where to plant a tree is a decision that should not be taken lightly. Many factors should be considered prior to planting. When planning what type of tree to plant, remember to look up and look down to determine where the tree will be located in relation to overhead and underground utility lines.

Overhead lines can be either electric, telephone, or cable. Underground lines include these three plus water, sewer, and natural gas. The location of these lines should have a direct impact on your tree and planting site selection. The ultimate mature height of a tree to be planted must be within the available overhead growing space. Just as important, the soil area must be large enough to accommodate the particular rooting habits and ultimate trunk diameter of the tree. Proper tree and site selection will provide trouble-free beauty and pleasure for years to come.

Overhead utility lines are the easiest to see and probably the ones we take most for granted. Although these lines look harmless enough, they can be extremely dangerous. Planting tall-growing trees under and near these lines will ultimately require your utility to prune them to maintain safe clearance from wires. This pruning may result in the tree having an unnatural appearance. Periodic pruning can also lead to a shortened life span for the tree. Trees which must be pruned away from power lines are under greater stress and more susceptible to insects and diseases. Small, immature trees planted today can become problem trees in the future. Tall-growing trees near overhead lines can cause service interruptions when trees contact wires and are potential public safety hazards.

Trees are much more than just what you see overhead. Many times the root area is larger than the branch spread above ground. Much of the utility service provided today runs below ground. Tree roots and underground lines often co-exist without problems. However, trees planted near underground lines could have their roots damaged if the lines need to be dug up for repairs. Choose the tree which will have the right type of root system for the location you have chosen.

The biggest danger to underground lines occurs during planting. Before you plant, make sure that you are aware of the location of any underground utilities. To be certain that you do not accidentally dig into any lines and risk serious injury or a costly service interruption, call your utility company or utility protection service first. Never assume that these utility lines are buried deeper than you plan to dig. In some cases utility lines are very close to the surface.

For the location of underground utilities, call or visit:

Missouri 1-800-DIG-RITE (1-800-344-7483) [www.mo1call.com](http://www.mo1call.com)

Illinois 1-800-892-0123 (J.U.L.I.E.) [www.illinois1call.com](http://www.illinois1call.com)

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a publication of the International Society of Arboriculture.

- Trees are listed in two class sizes: by height (example: 5-6') or by caliper (example: 1.25" means width of trunk as measured 6" from the top of the root ball).
- Trees that are 1.25" caliper are typically 8-10 feet tall (will vary by species).
- Plant a Missouri native! Look for the: 

## THE RIGHT TREE IN THE RIGHT PLACE

Avoid potential tree and wire conflicts by planting utility-friendly species. Look for the : 

Before you dig, call for the location of all underground utilities. See page 10 for more info.

## TREE SPECIES & PRICE LIST

Species	Description	Size	Price	Item #
<b>Baldcypress</b> <i>Taxodium distichum</i> 	Excellent native plant that does well in wet sites. Conifer that sheds its needles in the fall.	1.25"	\$38.00	5354
<b>Beech, American</b> <i>Fagus grandifolia</i> 	Majestic tree that requires ample room and a well-drained planting site.	1.25"	\$53.00	5008
<b>Birch, River</b> <i>Betula nigra</i> 	Has interesting, peeling, salmon-colored bark; can be planted in wet sites. Resistant to birch borer.	1.25" single-stem	\$38.00	5010
		6' multi-stem	\$43.00	5206
<b>Cherry, 'Okame'</b> <i>Prunus 'Okame'</i> 	Improved variety of ornamental cherry that does not bear fruit. Relatively short-lived.	1.25"	\$43.00	5016
<b>Cherry, Yoshino</b> <i>Prunus yedoensis</i>	Improved variety of ornamental cherry that does not bear fruit. Relatively short-lived.	1.25"	\$43.00	5017

Species	Description	Size	Price	Item #
<b>Dogwood, 'Cherokee Princess'</b> <i>Cornus florida</i> 'Cherokee Princess' ⚡	Has showy, white flowers and can grow to 25'. Requires a well-drained site and should be placed where shaded in the afternoon.	1.25"	\$58.00	5366
<b>Dogwood, Flowering</b> <i>Cornus florida</i> 	Missouri's state tree. Requires a well-drained site and should be placed where shaded in the afternoon.	1.25"	\$53.00	5413
<b>Dogwood, Kousa</b> (Chinese) <i>Cornus kousa</i> ⚡	Blooms later and longer than our native flowering dogwood. Requires a well-drained site.	1.25"	\$53.00	5032
<b>Dogwood, Pink Flowering</b> <i>Cornus florida</i> var. <i>rubra</i> ⚡	Requires a well-drained site and should be placed where shaded in the afternoon.	1.25"	\$58.00	5223
<b>Elm, Lacebark</b> (Chinese) <i>Ulmus parvifolia</i>	Lacebark elm, or <i>true</i> Chinese elm, should not be confused with Siberian elm (commonly called Chinese elm). They are different species. Lacebark is resistant to Dutch elm disease and has beautiful, mottled bark.	1.25"	\$43.00	5036

Species	Description	Size	Price	Item #
<b>Silverbell, Carolina</b> <i>Halesia tetraptera</i>	Beautiful ornamental native to southwestern U.S. Blooms in late April in the St. Louis area with white flowers. Performs better in acidic, well-drained soils.	5' multi-stem	\$53.00	5152
<b>Spruce, Norway</b> <i>Picea abies</i>	Slow-growing evergreen that develops into a magnificent specimen. As with all conifers, it requires well-drained soils. Slightly more tolerant of clays than other evergreens.	4'	\$68.00	5336
<b>Tuliptree</b> <i>Liriodendron tulipifera</i> 	Actually in the magnolia family, it's also known as tulip poplar or yellow poplar. Fast-growing on a good site; very large tree.	1.25"	\$43.00	5124
<b>Viburnum, Blackhaw</b> <i>Viburnum prunifolium</i> 	Small tree or large shrub used for naturalizing and wildlife benefits.	4'	\$43.00	5207
<b>Witchhazel, Common</b> <i>Hamamelis virginiana</i> 	Small tree or large shrub with fragrant, yellow flowers in mid-winter.	4' multi-stem	\$38.00	5127
<b>Zelkova, Japanese</b> <i>Zelkova serrata</i>	Relative to the elm, zelkova has an interesting, mottled bark. Its shape is similar to American elm, but zelkova is smaller in total size. Resistant to Dutch elm disease.	1.25"	\$68.00	5131

Species	Description	Size	Price	Item #
<b>Pine, Eastern White</b> <i>Pinus strobus</i>	Common evergreens that are frequently planted in unsuitable sites. Pines need well-drained soils; in heavy clays, they are short-lived and prone to numerous insect and disease problems.	5'	\$48.00	5167
<b>Redbud, Eastern</b>  <i>Cercis canadensis</i> 	Small ornamental with pink to reddish blossoms in early spring.	1.25" single-stem 5' multi-stem	\$48.00 \$43.00	5184 5107
<b>Redbud, 'Forest Pansy'</b> <i>Cercis canadensis</i>  'Forest Pansy'	Variety with excellent purplish-red foliage.	1.25"	\$73.00	5488
<b>Redbud, 'Whitebud'</b>  <i>Cercis canadensis</i> var. 'Alba'	White-flowered variety.	1.25"	\$73.00	5489
<b>Redwood, Dawn</b> <i>Metasequoia glyptostroboides</i>	Appearance similar to bald-cypress, but the fruit is not as messy. Conifer that sheds its needles in the fall.	1.25"	\$48.00	5479
<b>Serviceberry, Shadblow</b> <i>Amelanchier canadensis</i>  	Under-planted ornamental that blooms early in the spring with an abundance of white flowers. Good alternative to crabapple. Fruit is attractive to birds.	5' multi-stem	\$53.00	5326

Species	Description	Size	Price	Item #
<b>Fringetree, White</b> <i>Chionanthus virginicus</i>  	Large shrub or small tree with attractive white flowers; slow-growing.	4' multi-stem	\$53.00	5137
<b>Hackberry, Common</b> <i>Celtis occidentalis</i> 	Tough species that is tolerant of poor soils. Has interesting "warty" textured bark.	1.25"	\$48.00	5043
<b>Hawthorn, Cockspur</b> <i>Crataegus crusgalli</i>  <i>inermis</i> 	Hawthorn is Missouri's state flower. Thornless and slow growing with orange to red fall color.	1.25"	\$63.00	5045
<b>Hawthorn, 'Winter King'</b> <i>Crataegus viridis</i>  'Winter King'	Hawthorn is Missouri's state flower. Has fewer thorns and is slow growing with purplish to red fall color.	1.25"	\$58.00	5048
<b>Honeylocust, Common</b> <i>Gleditsia triacanthos</i>	Fast-growing, durable tree. Small leaflets cast light shade. Thornless. Honeylocust is overplanted in many urban areas.	1.25"	\$48.00	5257
<b>Honeylocust, 'Shademaster'</b> <i>Gleditsia triacanthos inermis</i> 'Shademaster'	Fast-growing, durable tree. Small leaflets cast light shade. Thornless with a symmetrical crown, produces fewer seed pods, and is drought tolerant.	1.25"	\$58.00	5056

Species	Description	Size	Price	Item #
<b>Honeylocust, 'Skyline'</b> <i>Gleditsia triacanthos inermis</i> 'Skyline'	Fast-growing, durable tree. Small leaflets cast light shade. Thornless with a pyramidal crown, and cold-hardy.	1.25"	\$58.00	5057
<b>Hophornbeam, American</b> <i>Ostrya virginiana</i> 	Moderate-sized shade tree with an elm-like leaf. Also known as ironwood.	1.25"	\$53.00	5058
<b>Hornbeam, American</b> <i>Carpinus caroliniana</i> 	Medium-sized shade tree with interesting, smooth, rolling bark. Also known as musclewood.	1.25"	\$48.00	5060
<b>Hornbeam, European</b> <i>Carpinus betulus</i>	Medium-sized shade tree with interesting, smooth, rolling bark.	1.25"	\$73.00	5996
<b>Magnolia, 'Merrill'</b> <i>Magnolia loebneri</i> 'Merrill'	Has showy, sometimes fragrant white flowers from 3-3.5" wide. They may be injured with late frost.	5'	\$53.00	5392
<b>Magnolia, Southern</b> <i>Magnolia grandiflora</i>	Can suffer damage from extreme winter temperatures.	5'	\$63.00	5543
<b>Magnolia, Sweetbay</b> <i>Magnolia virginiana</i>	Blooms in mid-May and is extremely fragrant.	5'	\$63.00	5068

Species	Description	Size	Price	Item #
<b>Maple, 'Autumn Blaze'</b> <i>Acer x freemanii</i> 'Autumn Blaze'	Hybrid form of red and silver maple. Displays orange-red fall color.	1.25"	\$58.00	5275
<b>Maple, 'October Glory'</b> <i>Acer rubrum</i> 'October Glory'	Fall color is orange to red.	1.25"	\$58.00	5073
<b>Maple, Red</b> <i>Acer rubrum</i> 	Soft-wooded, but much preferred over silver maple (not offered in catalog). Fall color is yellow.	1.25"	\$48.00	5072
<b>Maple, 'Red Sunset'</b> <i>Acer rubrum</i> 'Red Sunset'	Has a bright red fall color.	1.25"	\$58.00	5074
<b>Maple, Sugar</b> <i>Acer saccharum</i> 	Displays a beautiful orange fall color.	1.25"	\$53.00	5278
<b>Oak, Northern Red*</b> <i>Quercus rubra</i> 	Fast-growing oak similar to pin oak, without the nuisance of drooping branches.	1.25"	\$51.00	5081
<b>Oak, Swamp White*</b> <i>Quercus bicolor</i> 	Similar to white oak, but easier to transplant.	1.25"	\$53.00	5092
<b>Oak, Willow*</b> <i>Quercus phellos</i> 	Easy to transplant; do not use in "chalky" soils; lance-shaped leaf.	1.25"	\$48.00	5095

\*Some of the grandest shade trees to grace any community, oaks always require a lot of room to spread. Additional research is highly recommended before choosing a species.