

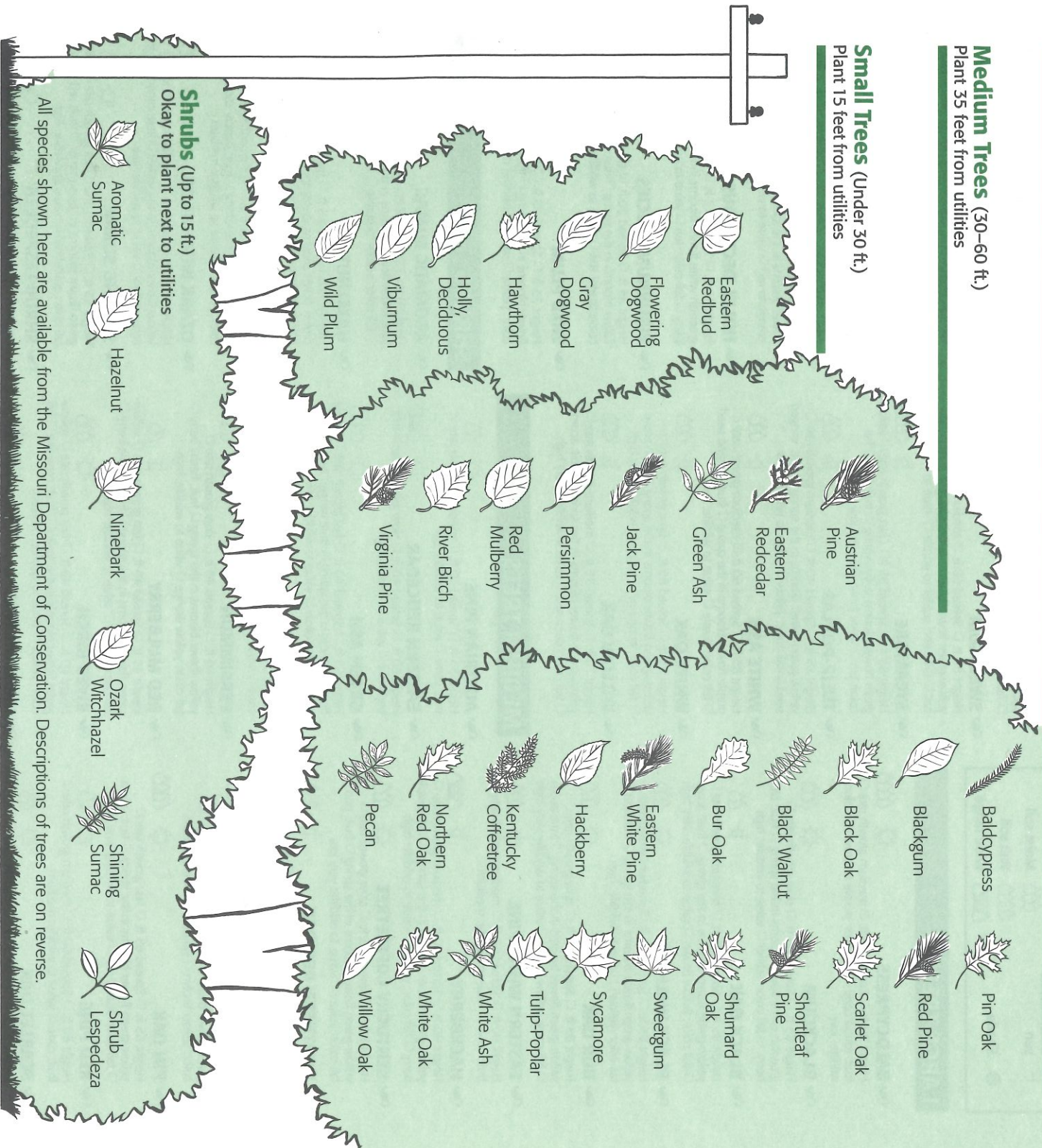
The Right Tree in the Right Place

Trees should be planted away from utility lines, poles, and underground utilities at the indicated distances.

Large Trees (Over 60 ft.) Plant 45 feet from utilities

Medium Trees (30–60 ft.) Plant 35 feet from utilities

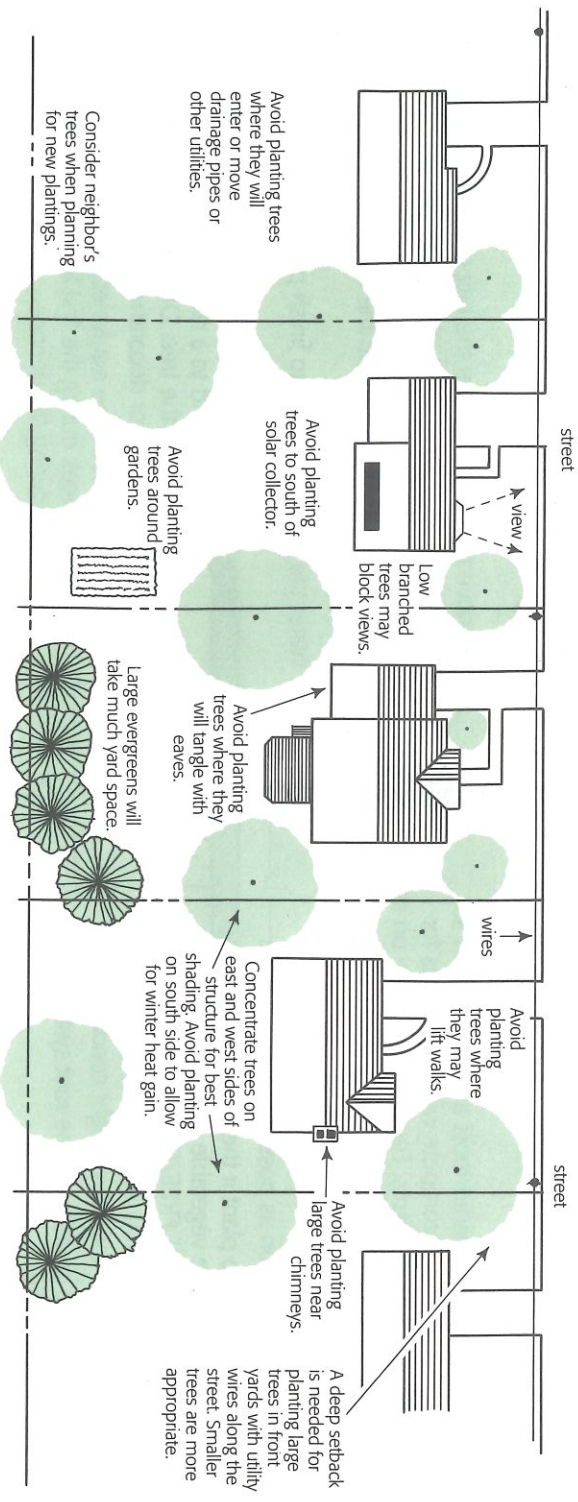
Small Trees (Under 30 ft.) Plant 15 feet from utilities



All species shown here are available from the Missouri Department of Conservation. Descriptions of trees are on reverse.

Shrubs (Up to 15 ft.) Okay to plant next to utilities

Planting Trees Around Your House



Avoid planting trees where they will enter or move drainage pipes or other utilities.

Consider neighbor's trees when planning for new plantings.

Tree Information Chart

KEY TO IDEAL SITE CONDITIONS

- Full sun
- Intermediate sun
- Shade
- Dry soil
- Average soil
- Moist soil
- Wet soil
- Wide range

LARGE TREES

- BALDCYPRESS**
Height 90 ft. Spread 35 ft. medium growth rate fruit: round cone fall color: purple to brown value to wildlife: low
- BLACKGUM**
Height 95 ft. Spread 45 ft. slow growth rate greenish white flower blooms in the spring fruit: blue berry fall color: scarlet value to wildlife: high
- BLACK OAK**
Height 85 ft. Spread 85 ft. medium growth rate yellow-green flower blooms in the spring fruit: acorn fall color: yellow brown value to wildlife: very high
- BLACK WALNUT**
Height 85 ft. Spread 85 ft. medium growth rate yellow-green flower blooms in the spring fruit: nut fall color: yellow value to wildlife: high
- BUR OAK**
Height 85 ft. Spread 85 ft. slow growth rate yellow-green flower blooms in the spring fruit: acorn fall color: yellow brown value to wildlife: very high
- EASTERN WHITE PINE**
Height 90 ft. Spread 65 ft. medium growth rate fruit: cone value to wildlife: medium
- HACKBERRY**
Height 90 ft. Spread 90 ft. medium growth rate yellow-green flower blooms in the spring fruit: purple berry fall color: yellow value to wildlife: high
- KENTUCKY COFFEE TREE**
Height 85 ft. Spread 65 ft. slow growth rate yellow-green flower blooms in the spring fruit: pod fall color: yellow value to wildlife: very low
- NORTHERN RED OAK**
Height 85 ft. Spread 85 ft. medium growth rate yellow-green flower blooms in the spring fruit: acorn fall color: yellow brown value to wildlife: very high
- PECAN**
Height 90 ft. Spread 90 ft. slow growth rate green flower blooms in the spring fruit: nut fall color: yellow brown value to wildlife: medium
- PIN OAK**
Height 65 ft. Spread 65 ft. fast growth rate yellow-green flower blooms in the spring fruit: acorn fall color: scarlet red value to wildlife: very high
- RED PINE**
Height 80 ft. Spread 60 ft. medium growth rate fruit: cone value to wildlife: medium
- SCARLET OAK**
Height 70 ft. Spread 70 ft. medium growth rate yellow-green flower blooms in the spring fruit: acorn fall color: scarlet value to wildlife: very high

- SHORTLEAF PINE**
Height 90 ft. Spread 60 ft. fast growth rate fruit: cone value to wildlife: low
- SHUMARD OAK**
Height 90 ft. Spread 90 ft. medium growth rate yellow-green flower blooms in the spring fruit: acorn fall color: yellow brown value to wildlife: very high
- SWEETGUM**
Height 85 ft. Spread 60 ft. medium growth rate yellow-green flower blooms in the spring fruit: prickly ball fall color: scarlet to purple value to wildlife: low
- SYCAMORE**
Height 85 ft. Spread 85 ft. fast growth rate yellow-green flower blooms in the spring fruit: ball fall color: tan value to wildlife: very low
- TULIP-POPLAR**
Height 85 ft. Spread 40 ft. medium growth rate yellow-green flower blooms in the spring fruit: winged seed fall color: yellow value to wildlife: low
- WHITE ASH**
Height 85 ft. Spread 60 ft. medium growth rate purple flower blooms in the spring fruit: winged seed fall color: purple value to wildlife: low
- WHITE OAK**
Height 85 ft. Spread 85 ft. slow growth rate yellow-green flower blooms in the spring fruit: acorn fall color: burgundy value to wildlife: very high
- WILLOW OAK**
Height 70 ft. Spread 35 ft. medium growth rate yellow-green flower blooms in the spring fruit: acorn fall color: deep red value to wildlife: very high

MEDIUM TREES

- AUSTRIAN PINE**
Height 55 ft. Spread 30 ft. medium growth rate fruit: cone value to wildlife: low
- EASTERN REDCEDAR**
Height 60 ft. Spread 40 ft. slow growth rate fruit: berry-like value to wildlife: high
- GREEN ASH**
Height 55 ft. Spread 40 ft. fast growth rate purple flower blooms in the spring fruit: winged seed fall color: bright yellow value to wildlife: low
- JACK PINE**
Height 60 ft. Spread 30 ft. fast growth rate fruit: cone value to wildlife: medium
- PERSIMMON**
Height 60 ft. Spread 40 ft. slow growth rate yellow-green flower blooms in the spring fruit: fleshy berry fall color: yellow orange value to wildlife: high
- RED MULBERRY**
Height 45 ft. Spread 40 ft. fast growth rate yellow-green flower blooms in the spring fruit: purple berry fall color: yellow value to wildlife: high
- RIVER BIRCH**
Height 60 ft. Spread 40 ft. fast growth rate yellow-green flower blooms in the spring fruit: cone-like fall color: yellow value to wildlife: medium
- VIRGINIA PINE**
Height 40 ft. Spread 25 ft. slow growth rate fruit: cone value to wildlife: medium

SMALL TREES

- EASTERN REDBUD**
Height 30 ft. Spread 30 ft. medium growth rate lavender flower blooms in the spring fruit: pod fall color: yellow value to wildlife: very low
- FLOWERING DOGWOOD**
Height 30 ft. Spread 30 ft. medium growth rate white flower blooms in the spring fruit: red berry fall color: scarlet value to wildlife: high
- GRAY DOGWOOD**
Height 12 ft. Spread 10 ft. medium growth rate white flower blooms in the spring fruit: white berry fall color: purple value to wildlife: high
- HAWTHORN**
Height 30 ft. Spread 25 ft. slow growth rate white flower blooms in the spring fruit: red berry fall color: orange to red value to wildlife: medium
- HOLLY, DECIDUOUS**
Height 15 ft. Spread 12 ft. slow growth rate greenish white flower blooms in the spring fruit: red berry fall color: tan value to wildlife: high
- VIBURNUM SPECIES**
Height 25 ft. Spread 20 ft. slow growth rate white flower blooms in the spring fruit: dark blue berry fall color: scarlet red value to wildlife: high
- WILD PLUM**
Height 25 ft. Spread 25 ft. fast growth rate white flower blooms in the spring fruit: purplish berry fall color: yellow value to wildlife: medium

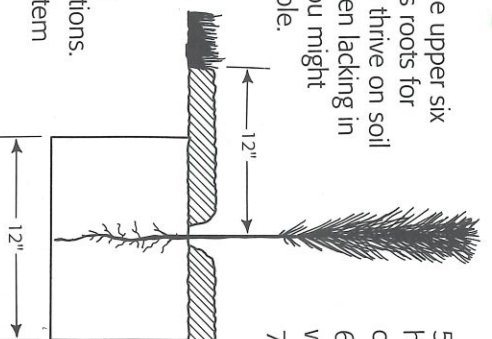
SHRUBS

- AROMATIC SUMAC**
Height 8 ft. Spread 12 ft. medium growth rate light yellow flower blooms in the spring fruit: red berry fall color: scarlet to purple value to wildlife: high
- HAZELNUT**
Height 10 ft. Spread 8 ft. medium growth rate brown flower blooms in the spring fruit: nut fall color: yellow to orange value to wildlife: high
- NINEBARK**
Height 8 ft. Spread 8 ft. fast growth rate white flower blooms in the spring fruit: papery capsule fall color: yellow value to wildlife: medium
- OZARK WITCHHAZEL**
Height 10 ft. Spread 8 ft. medium growth rate yellow flower blooms in the winter fruit: capsule fall color: yellow value to wildlife: low
- SHINING SUMAC**
Height 15 ft. Spread 10 ft. fast growth rate yellow-green flower blooms in the summer fruit: red berry fall color: scarlet red value to wildlife: high
- SHRUB LESPEDEZA**
Height 8 ft. Spread 8 ft. medium growth rate purplish flower blooms in the summer fruit: pod fall color: yellow value to wildlife: medium

Planting Your Seedling Correctly

The majority of a tree's feeder roots are in the upper six inches of soil where they compete with grass roots for oxygen, moisture and nutrients. Feeder roots thrive on soil that is loose, moist and fertile—conditions often lacking in soils around homes. In recognition of this, you might consider a planting area, rather than just a hole.

1. Plant your tree as soon as possible.
2. If you are not able to plant it the day you receive it, place it in the vegetable drawer of your refrigerator. **DO NOT FREEZE!**
3. Select a planting site that will give the tree room to grow and has the correct light conditions.
4. Dig the initial hole as deep as the root system and about 1 foot wide.



5. Remove the seedling from the bag and place it in the hole. Make sure the roots are spread out and are not crowded or bent.
6. Crumble the soil back around the roots and pack firmly with your hands.
7. Water the tree thoroughly to finish packing the soil around the roots.
8. Mulch the planting area to a depth of 2 inches and to a radius of 9 to 12 inches around the tree. Organic mulches such as compost, wood chips or decorative bark may be used.
9. New trees need the equivalent of 1 to 1.5 inches of rainfall per week during the first four years. Water the tree weekly during dry periods.