

Large Tree Notes

- A. Recommended to Plant large trees 40 to 50 feet away from utility lines
 B. Recommended root space is approximately 250 square feet of lawn

LARGE TREE GROUP: Mature Height More than 50' tall and more

	Form	Growth Rate	Shade Tree	Aesthetic Flowers	Fall Color	Recommended Street Tree	Urban Areas***	Wet Tolerant	Drought Tolerant	Shade Tolerant	Special Considerations
Red Maple* (<i>Acer rubrum</i>)	Rounded to Oval**	Medium	Yes	Yes	Red	Minimal Use	No	Yes	No	Intermediate	Girdling roots; over utilized
Sugar Maple* (<i>Acer saccharum</i>)	Rounded**	Medium to Slow	Yes	No	Yellow	Minimal Use	No	No	No	Yes	Girdling roots; over utilized
Yellow Buckeye* (<i>Aesculus flava</i>)	Rounded	Medium to Fast	Yes	Yes	Orange	Minimal Use	No	Intermediate	No	Yes	Not widely available
Pecan* (<i>Carya illinoensis</i>)	Oval	Medium	Yes	No	Yellow	No	No	Intermediate	Yes	No	Difficult to transplant; cross pollination needed for nuts
Common Hackberry* (<i>Celtis occidentalis</i>)	Pyramidal to Round	Medium to Fast	Yes	No	Yellow	No	No	No	Yes	Intermediate	Poor structural issues; sooty mold issues
American Beech* (<i>Fagus grandifolia</i>)	Round to Open	Slow	Yes	No	Bronze	No	No	No	No	Yes	Scale issues
European Beech (<i>Fagus sylvatica</i>)	Upright to Oval**	Slow to Medium	Yes	No	Bronze	Minimal Use	No	No	No	Intermediate	Under utilized
Ginkgo (<i>Ginkgo biloba</i>)	Pyramidal to Round**	Medium	Yes	No	Yellow	Yes	Yes	No	Yes	No	Female trees produce offensive fruit
Thornless Honeylocust* (<i>Gleditsia triacanthos</i>)	Round	Medium to Fast	Yes	No	Yellow	Yes	Yes	No	Yes	No	Leaf Miner; Southern range of this species
Kentucky Coffeetree* (<i>Gymnocladus dioica</i>)	Oval to Open**	Slow to Medium	Yes	No	Yellow	Yes	Yes	No	Yes	No	Produces seed pods
Sweetgum* (<i>Liquidambar styraciflua</i>)	Pyramidal to Oval	Medium to Fast	Yes	No	Various	Yes	No	Yes	No	No	Surface roots; produces nuisance fruit
Tulip Poplar* (<i>Liriodendron tulipifera</i>)	Pyramidal to Oval	Fast	Yes	Yes	Yellow	Yes	No	No	No	No	Aphid issue; constant leaf drop
Cucumber tree Magnolia (<i>Magnolia acuminata</i>)	Pyramidal to Spreading	Medium to Fast	Yes	Yes	Brown	Minimal Use	No	No	No	Intermediate	Not widely available
Southern Magnolia* (<i>Magnolia grandiflora</i>)	Pyramidal**	Slow to Medium	Yes	Yes	Evergreen	No	No	No	Yes	Intermediate	Large leathery leaf drop in Spring; Large seed pods
Dawn Redwood (<i>Metasequoia glyptostroboides</i>)	Pyramidal**	Medium to Fast	Yes	No	Yellow	Yes	No	No	No	No	Carefree tree
Blackgum* (<i>Nyssa sylvatica</i>)	Pyramidal	Slow to Medium	Yes	No	Various	Yes	No	Yes	No	Intermediate	Messy fruit; great wildlife tree
Shortleaf Pine* (<i>Pinus chinata</i>)	Conical to Oval	Medium	Yes	No	Evergreen	No	No	No	Yes	No	Not widely available
Pitch Pine* (<i>Pinus rigida</i>)	Conical to Oval	Medium	Yes	No	Evergreen	No	No	No	Yes	No	Not widely available
White Pine* (<i>Pinus strobus</i>)	Conical to Oval**	Medium to Fast	Yes	No	Evergreen	No	No	No	No	Intermediate	Short-lived in urban environments
Loblolly Pine* (<i>Pinus taeda</i>)	Conical to Oval	Fast	Yes	No	Evergreen	No	No	Intermediate	Yes	No	Produces large cones
Virginia Pine* (<i>Pinus virginiana</i>)	Conical to Open	Slow	Yes	No	Evergreen	No	No	No	Yes	No	Poor structural issues
London Planetree (<i>Platanus X acerifolia</i>)	Pyramidal to Open	Medium	Yes	No	Yellow	Yes	Yes	No	No	Intermediate	Susceptible to Bacterial Leaf Scorch
American Sycamore* (<i>Platanus occidentalis</i>)	Pyramidal to Open	Medium to Fast	Yes	No	Yellow	No	No	Yes	No	Intermediate	Susceptible to Bacterial Leaf Scorch
Sawtooth Oak (<i>Quercus acutissima</i>)	Round	Medium	Yes	No	Yellow	Yes	Yes	No	Yes	No	Produces many acorns
White Oak* (<i>Quercus alba</i>)	Round to Spreading	Slow to Medium	Yes	No	Red	Minimal Use	No	No	No	No	Difficult to transplant
Swamp White Oak* (<i>Quercus bicolor</i>)	Round	Medium	Yes	No	Yellow	Yes	No	Yes	Yes	No	Grows in both dry and wet conditions
Southern Red Oak* (<i>Quercus falcata</i>)	Spreading	Slow to Medium	Yes	No	Red	No	No	No	No	No	Not widely available; keeps leaves through Winter
Bur Oak* (<i>Quercus macrocarpa</i>)	Round to Spreading	Slow	Yes	No	Yellow	Minimal Use	No	No	Yes	No	Produces large acorns
Swamp Chestnut Oak* (<i>Quercus michauxii</i>)	Round	Medium	Yes	No	Orange	No	No	Yes	No	No	Not widely available
Chinkapin Oak* (<i>Quercus muehlenbergii</i>)	Round	Slow to Medium	Yes	No	Indistinct	Minimal Use	No	No	No	No	Not widely available
Nuttall Oak (<i>Quercus nuttallii</i>)	Pyramidal to Rounded	Medium to Fast	Yes	No	Red	Yes	Yes	Yes	Yes	No	Possibly susceptible to Bacterial Leaf Scorch
Pin Oak* (<i>Quercus palustris</i>)	Pyramidal to Rounded	Medium to Fast	Yes	No	Various	No	No	Yes	No	No	Susceptible to Bacterial Leaf Scorch
Willow Oak* (<i>Quercus phellos</i>)	Pyramidal to Rounded**	Medium	Yes	No	Yellow	Yes	Yes	Yes	Yes	No	Chlorosis problems in high pH
Chestnut Oak* (<i>Quercus prinus</i>)	Rounded	Medium	Yes	No	Orange	Yes	No	No	Yes	No	Not widely available in nurseries
English Oak (<i>Quercus robur</i>)	Upright to Round**	Slow to Medium	Yes	No	Indistinct	Minimal Use	No	No	No	No	Tendency to have irregular growth form
Northern Red Oak* (<i>Quercus rubra</i>)	Rounded	Medium to Fast	Yes	No	Red	Yes	No	No	No	No	Carefree tree
Shumard Oak* (<i>Quercus shumardii</i>)	Rounded	Medium	Yes	No	Red	Minimal Use	Yes	No	Yes	No	Carefree tree
Black Oak* (<i>Quercus velutina</i>)	Round to Open	Slow to Medium	Yes	No	Red	Minimal Use	No	No	Yes	No	Not widely available
Bald Cypress* (<i>Taxodium distichum</i>)	Pyramidal**	Medium	Yes	No	Orange	Yes	Yes	Yes	No	No	Produce round cones
American Basswood* (<i>Tilia americana</i>)	Pyramidal to Rounded	Medium	Yes	No	Indistinct	Minimal Use	No	No	No	Intermediate	Good Pollinator
Winged Elm* (<i>Ulmus alata</i>)	Vaseshape to Round	Medium	Yes	No	Yellow	Minimal Use	No	No	No	No	Not widely available
American Elm* (<i>Ulmus americana</i>)	Vaseshape	Medium to Fast	Yes	No	Yellow	Yes	Yes	Yes	Yes	Intermediate	Need Dutch Elm resistant cultivars

- * Native to Tennessee
 ** Some cultivars are recommended to plant next to buildings
 ***These trees are recommended for downtown planting spaces and wells

Medium Tree Notes

- A. Recommended to Plant medium trees 20 to 50 feet away from utility lines
- B. Recommended root space is approximately 166 square feet of lawn
- C. Not all trees on this list are shade trees and capable of reaching 50 feet in height.

MEDIUM TREE GROUP: Mature Height 30' - 50'

	Form	Growth Rate	Shade Tree	Aesthetic Flowers	Fall Color	Recommended Street Tree	Urban Areas***	Wet Tolerant	Drought Tolerant	Shade Tolerant	Special Considerations
Hedge Maple (<i>Acer campestre</i>)	Round to Oval	Slow	No	No	Yellow	Yes	Yes	No	Yes	Intermediate	Heavy fruiting
Trident Maple (<i>Acer buergerianum</i>)	Round to Oval**	Slow to Medium	Yes	No	Orange	Yes	Yes	No	Yes	No	Heavy fruiting
Chalkbark Maple (<i>Acer leucoderme</i>)	Round to Oval	Slow to Medium	No	No	Orange	Minimal Use	No	No	Yes	Yes	Not widely available
Shantung Maple (<i>Acer truncatum</i>)	Round	Slow	No	No	Yellow	Yes	Yes	No	Yes	No	Not widely available
River Birch* (<i>Betula nigra</i>)	Pyramidal to Round**	Medium to Fast	Yes	No	Yellow	Minimal Use	No	Yes	No	No	Aphids; over used
European Hornbeam (<i>Carpinus betulus</i>)	Upright to Oval**	Slow to Medium	No	No	Yellow	Yes	Yes	No	No	Intermediate	Used for tight spaces
American Hornbeam* (<i>Carpinus caroliniana</i>)	Oval	Slow	Yes	No	Various	Yes	No	Intermediate	No	Intermediate	Used for tight spaces
Catalpa* (<i>Catalpa speciosa</i>)	Oval	Medium to Fast	Yes	Yes	Indistinct	Minimal Use	No	No	Yes	Intermediate	Large seed pods; Catalpa Worms
Atlas Cedar (<i>Cedrus atlantica</i>)	Pyramidal**	Slow	No	No	Evergreen	No	No	No	No	Intermediate	Carefree tree
Deodar Cedar (<i>Cedrus deodara</i>)	Pyramidal	Medium	No	No	Evergreen	No	No	No	No	No	Northern range of this species
Atlantic White Cedar (<i>Chamaecyparis thyoides</i>)	Pyramidal to Upright**	Medium	No	No	Evergreen	No	No	Intermediate	No	No	Not widely available
Yellowwood* (<i>Cladrastis kentukea</i>)	Round**	Medium	No	Yes	Yellow	Yes	Yes	No	No	No	Short-lived tree
Turkish Fibert (<i>Corylus colurna</i>)	Pyramidal	Medium	No	No	Indistinct	Yes	Yes	No	yes	No	Not widely available
Cryptomeria (<i>Cryptomeria japonica</i>)	Pyramidal**	Medium	No	No	Evergreen	No	No	No	No	Intermediate	Carefree tree
American Persimmon* (<i>Diospyros virginiana</i>)	Oval	Slow to Medium	Yes	No	Yellow	Minimal Use	No	No	No	No	Messy fruit; cross pollination required for fruit
Hardy Rubber Tree (<i>Eucommia ulmoides</i>)	Round	Medium	Yes	No	Indistinct	Yes	Yes	No	Yes	Intermediate	Not widely available
American Holly* (<i>Ilex opaca</i>)	Pyramidal**	Slow to Medium	No	No	Evergreen	Minimal Use	No	No	No	Yes	Under utilized
Eastern Red Cedar* (<i>Juniperus virginiana</i>)	Upright to Oval	Medium	No	No	Evergreen	No	No	No	Yes	No	Can be difficult to transplant; Cedar Apple Rust
Golden Raintree (<i>Koelreuteria paniculata</i>)	Round	Medium to Fast	No	Yes	Yellow	Yes	Yes	No	Yes	No	Messy
Sweetbay Magnolia* (<i>Magnolia virginiana</i>)	Upright to Open	Medium	No	Yes	Yellow	No	No	Yes	No	Yes	Under utilized
Eastern Hophornbeam* (<i>Ostrya virginiana</i>)	Pyramidal to Round**	Slow	Yes	No	Yellow	Yes	Yes	Intermediate	No	Yes	Not widely available
Sourwood* (<i>Oxydendrum arboreum</i>)	Pyramidal to Oval	Slow	No	Yes	Various	Minimal Use	No	No	No	Intermediate	Difficult to transplant
Austrian Pine (<i>Pinus nigra</i>)	Pyramidal	Medium	No	No	Evergreen	No	No	No	Yes	No	Diplodia Tip Blight
Japanese Red Pine (<i>Pinus densiflora</i>)	Upright to Open	Slow to Medium	No	No	Evergreen	No	No	No	No	No	Not widely available
Chinese Pistache (<i>Pistacia chinensis</i>)	Round	Medium	No	No	Orange	Yes	Yes	No	Yes	No	Carefree tree
Overcup Oak* (<i>Quercus lyrata</i>)	Round to Spreading	Medium	Yes	No	Yellow	Yes	Yes	Intermediate	Yes	No	Slow to leaf out; chlorosis issue with high pH
Black Locust* (<i>Robinia pseudoacacia</i>)	Upright to Oval	Fast	Yes	Yes	Indistinct	No	No	No	Yes	No	Great pollinator tree; Mimosa Webworm
Weeping Willow (<i>Salix babylonica</i>)	Round to Weeping	Fast	Yes	No	Indistinct	No	No	Yes	Yes	No	Messy; many pest problems
Sassafras* (<i>Sassafras albidum</i>)	Oval to Open	Medium to Fast	Yes	Yes	Various	No	No	No	No	No	Not widely available; Laurel Wilt
Japanese Pagoda (<i>Sophora japonica</i>)	Upright to Spreading	Medium to Fast	Yes	Yes	Indistinct	Yes	Yes	No	Yes	No	Not widely available; messy
Little-leaf Linden (<i>Tilia cordata</i>)	Pyramid to Oval	Medium	Yes	No	Yellow	No	No	No	Yes	No	Often too deep in the rootball; Japanese Beetles
Silver Linden (<i>Tilia tomentosa</i>)	Pyramid to Oval	Medium	Yes	No	Yellow	Yes	Yes	No	Yes	No	Southern end of this species range
Smooth Leaf Elm (<i>Ulmus carpinifolia</i>)	Upright to Spreading	Medium	Yes	No	Yellow	Yes	Yes	No	No	No	Not widely available
Lace-bark Elm (<i>Ulmus parvifolia</i>)	Vaseshape to Spreading**	Medium to Fast	Yes	No	Yellow	Yes	Yes	No	Yes	No	High pruning maintenance
Zelkova (<i>Zelkova serrata</i>)	Vaseshape**	Medium	Yes	No	Various	Yes	Yes	No	No	No	Difficult form to control

* Native to Tennessee
 ** Some cultivars are recommended to plant next to buildings
 ***These trees are recommended for downtown planting spaces and wells

Small Tree Notes

A. Recommended root space is approximately 40 square feet of lawn B. Most small growth trees are suitable for planting near overhead utility lines; but may still need to be pruned if they grow into utility safety zones C. Some small tree cultivars do not reach 15' in height and will not be considered a tree per City of Knoxville code of ordinances.

SMALL TREE GROUP: Mature Height Less than 30'

	Form	Growth Rate	Shade Tree	Aesthetic Flowers	Fall Color	Recommended Street Tree	Urban Areas***	Wet Tolerant	Drought Tolerant	Shade Tolerant	Special Considerations
Amur Maple (<i>Acer ginnala</i>)	Variable	Slow	No	Yes	Yellow	Minimal Use	No	No	No	Intermediate	Short-lived tree
Paperbark Maple (<i>Acer griseum</i>)#	Upright to Oval	Slow	No	No	Red	Minimal Use	Yes	No	No	Intermediate	Variability in bark color
Japanese Maple (<i>Acer palmatum</i>)#	Variable	Slow to Medium	No	No	Red	No	No	No	No	Yes	Wide variation in cultivars
Red Buckeye* (<i>Aesculus pavia</i>)	Round	Medium	No	Yes	Indistinct	Minimal Use	No	No	No	Yes	Not widely available; Early leaf drop
Serviceberry* (<i>Amelanchier spp.</i>)#	Variable	Medium	No	Yes	Various	Minimal Use	No	Intermediate	No	Intermediate	Rust problems
Pawpaw* (<i>Asimina triloba</i>)!	Pyramidal to Upright	Medium	No	No	Yellow	No	No	No	No	Yes	Not widely available
Eastern Redbud* (<i>Cercis canadensis</i>)#!	Round to Spreading	Medium	No	Yes	Yellow	Yes	Yes	No	Yes	Intermediate	Verticillium Wilt; structural issues
Chinese Fringetree (<i>Chionanthus retusus</i>)#	Round to Spreading	Slow	No	Yes	Yellow	Minimal Use	No	No	No	Intermediate	Very few problems
American Fringetree* (<i>Chionanthus virginicus</i>)#	Round to Spreading	Slow	No	Yes	Yellow	Minimal Use	No	No	No	Intermediate	Very few problems
Pagoda Dogwood (<i>Cornus alternifolia</i>)	Spreading	Slow to Medium	No	Yes	Purple	Minimal Use	No	No	No	Yes	Under utilized; not widely available
Flowering Dogwood* (<i>Cornus florida</i>)#!	Spreading	Medium	No	Yes	Purple	Minimal Use	No	No	No	Yes	Powdery mildew; Spot Anthracnose; borer issues
Kousa Dogwood (<i>Cornus kousa</i>)#	Vaseshape to Round	Slow	No	Yes	Red	Minimal Use	Yes	No	Yes	Yes	Tend to be deep in the rootball
Corneliancherry Dogwood (<i>Cornus mas</i>)	Oval to Round	Medium	No	Yes	Indistinct	Minimal Use	No	No	No	Intermediate	Under utilized; not widely available
European Smoketree (<i>Cotinus coggygria</i>)	Upright to Spreading	Medium	No	Yes	Various	Minimal Use	No	No	No	No	Under utilized; not widely available
American Smoketree* (<i>Cotinus obovatus</i>)#	Upright to Oval	Medium	No	Yes	Various	Minimal Use	No	No	No	No	Under utilized; not widely available
Cockspur Hawthorn (<i>Crataegus crusgalli</i>)	Round to Spreading	Slow to Medium	No	Yes	Bronze	Minimal Use	Yes	No	No	No	Rust problems
Washington Hawthorn (<i>Crataegus phaenopyrum</i>)	Oval to Rounded	Slow to Medium	No	Yes	Various	Minimal Use	No	No	No	No	Rust problems
Green Hawthorn (<i>Crataegus viridis</i>)	Round to Spreading	Slow to Medium	No	Yes	Scarlet	Minimal Use	No	No	No	No	Rust problems
Carolina Silverbell* (<i>Halesia tetraptera</i>)!	Round	Medium	No	Yes	Yellow	Minimal Use	No	No	No	Intermediate	Under utilized; not widely available
Witch-hazel* (<i>Hamamelis virginiana</i>)	Round to Open	Medium	No	Yes	Yellow	No	No	No	No	Intermediate	Under utilized
Foster Holly (<i>Ilex x attenuate</i> 'Fosteri')	Pyramidal to Upright	Slow	No	No	Evergreen	No	No	No	No	Intermediate	Carefree tree; messy
Amur Maackia (<i>Maackia amurensis</i>)#	Round to Spreading	Slow	No	Yes	Indistinct	Yes	Yes	No	Yes	No	Not widely available
'Little Gem' Magnolia (<i>Magnolia grandiflora</i>)#	Upright to Oval	Slow	No	Yes	Evergreen	Yes	No	Intermediate	No	Intermediate	Messy
Flowering Crabapple (<i>Malus spp.</i>)!	Round	Medium to Fast	No	Yes	Yellow	Yes	No	No	No	No	Rust and Fireblight Issues; early defoliation
Persian Ironwood (<i>Parrotia persica</i>)#	Upright to Oval	Medium	No	Yes	Yellow	Yes	Yes	No	Yes	Intermediate	Not widely available
Oriental Cherries (<i>Prunus serrulata</i>)#	Variable	Medium	No	Yes	Various	Yes	Yes	No	Yes	No	Bagworms; borers; short-lived tree
Mountain Stewartia (<i>Stewartia ovata</i>)	Round to Oval	Slow	No	Yes	Orange	No	No	No	No	Intermediate	Not widely available
Chinese Stewartia (<i>Stewartia sinensis</i>)	Round to Oval	Slow	No	Yes	Red	No	No	No	No	Intermediate	Not widely available
Rusty Blackhaw* (<i>Viburnum rufidulum</i>)	Oval to Open	Medium	No	Yes	Burgundy	No	No	Intermediate	Yes	Yes	Not widely available

* Native to Tennessee

***These trees are recommended for downtown planting spaces and wells

Recommended for narrow planting areas (single stem only)

! Some cultivars may grow over 30 feet in height

Fruit Tree Notes

- A. Plant all trees 10 to 20 feet away from utility lines
- B. Fruit trees need extra care to maintain edible fruits
- C. Additional material should be reviewed through your local agricultural extension agency

FRUIT and NUT TREE GROUP: Edible Trees that can grow in Tennessee

Species	Form	Growth Rate	Aesthetic Flowers	Fall Color	Recommended Street Tree	Suitable Near Utility Lines**	Wet Tolerant	Drought Tolerant	Shade Tolerant
Serviceberry* (<i>Amelanchier</i> spp.)	Variable	Medium	Yes	Various	Minimal Use	Yes	Intermediate	No	Intermediate
Pawpaw* (<i>Asimina triloba</i>)	Pyramidal to Upright	Medium	No	Yellow	No	No	No	No	Yes
Pecan* (<i>Carya illinoensis</i>)	Oval	Medium	No	Yellow	No	No	Intermediate	Yes	No
Chinese chestnut (<i>Castanea mollissima</i>)	Round	Slow to Medium	No	Yellow	Yes	No	No	Intermediate	Intermediate
American hazelnut* (<i>Corylus americana</i>)	Variable	Medium to Fast	No	Indistinct	Yes	Yes	No	No	Intermediate
Turkish Fibert (<i>Corylus colurna</i>)	Pyramidal	Medium	No	Indistinct	Yes	No	No	Yes	No
American Persimmon* (<i>Diospyros virginiana</i>)	Oval	Slow to Medium	No	Yellow	Minimal Use	No	No	No	No
Japanese Persimmon (<i>Diospyros kaki</i>)	Round to Spreading	Medium	No	Various	Minimal Use	No	No	No	No
Ginkgo (<i>Ginkgo biloba</i>)	Pyramidal to Round	Medium	No	Yellow	Minimal Use	No	No	Yes	no
Black walnut* (<i>Juglans nigra</i>)	Round to Spreading	Medium	No	Yellow	Minimal Use	No	No	Yes	No
Edible apple (<i>Malus pumila</i>)	Variable	Medium	Yes	Yellow	Minimal Use	Yes	No	No	No
White mulberry (<i>Morus alba</i>)	Variable	Medium to Fast	Yes	Yellow	Minimal Use	No	No	Yes	Intermediate
Red mulberry* (<i>Morus rubra</i>)	Variable	Fast	Yes	Yellow	Minimal Use	No	No	Yes	Intermediate
American plum* (<i>Prunus americana</i>)	Spreading	Medium	Yes	Red	Yes	Yes	No	Yes	No
Chickasaw plum (<i>Prunus angustifolia</i>)	Spreading	Medium	Yes	Red	Yes	Yes	No	Intermediate	No
Sweet cherry (<i>Prunus avium</i>)	Round to Spreading	Medium	Yes	Yellow	Yes	Yes	No	Intermediate	No
Sour cherry (<i>Prunus cerasus</i>)	Round to Spreading	Medium	Yes	Yellow	Yes	Yes	No	Intermediate	No
Common peach (<i>Prunus persica</i>)	Round to Spreading	Medium	Yes	Yellow	Minimal Use	Yes	No	No	No
Common pear (<i>Pyrus communis</i>)	Upright	Medium	Yes	Red	Minimal Use	No	No	No	No

* Native to Tennessee

**All trees should be planted at least 20 feet from under utility lines if possible

Trees for Screening Purposes Notes

A. Several of these trees have many cultivars that may not be suitable for screening purposes, suggested cultivars are included

B. Spacing and other characteristics are based on recommended cultivars

C. Additional material should be reviewed through your local agricultural extension agency and utility provider

TREES for SCREENING PURPOSES: Trees that can be planted for sound, wind, or sight barriers in East Tennessee

Species	Cultivars	Form	Growth Rate	Height	Spacing for Screen	Deciduous/ Evergreen	Recommended for Under Utilities	Wet Tolerant	Drought Tolerant	Shade Tolerant
Japanese Maple (<i>Acer palmatum</i>)	Several cultivars	Variable	Slow to Moderate	Less than 30 ft	8-10 Feet	Deciduous	Yes	No	No	Yes
European hornbeam (<i>Carpinus betulus</i>)	Frans Fontaine, Fastigiata	Columnar	Slow to Moderate	30 to 50 ft	6-8 Feet	Deciduous	No	No	Yes	Intermediate
Hinoki Falsecypress (<i>Chamaecyparis obtusa</i>)	Several cultivars	Narrow or Pyramidal	Moderate	30 to 50 ft	5-10 Feet	Evergreen	Some varieties	No	No	No
Alaska-cedar (<i>Chamaecyparis nootkatensis</i>)	Several cultivars	Narrow or Pyramidal	Moderate	30 to 50 ft	5-10 Feet	Evergreen	No	No	No	No
Sawara falsecypress (<i>Chamaecyparis pisifera</i>)	Several cultivars	Narrow or Pyramidal	Moderate	Over 50 ft	10 Feet	Evergreen	Some varieties	No	No	No
Atlantic whitecedar (<i>Chamaecyparis thuyoides</i>)	Several cultivars	Narrow or Pyramidal	Moderate	Over 50 ft	10 Feet	Evergreen	No	No	No	No
Kousa Dogwood (<i>Cornus kousa</i>)	Several cultivars	Rounded	Slow to Moderate	Less than 30 ft	8-10 Feet	Deciduous	Yes	No	Yes	Yes
Pagoda Dogwood (<i>Cornus alternifolia</i>)	Dense compact varieties	Rounded	Slow to Moderate	Less than 30 ft	8-10 Feet	Deciduous	Yes	No	No	Yes
European Smoketree (<i>Cotinus coggygria</i>)	Dense compact varieties	Open to Irregular	Moderate	Less than 30 ft	5-8 Feet	Deciduous	Yes	No	No	No
American Smoketree (<i>Cotinus obovatus</i>)	Dense compact varieties	Open to Irregular	Moderate	Less than 30 ft	5-8 Feet	Deciduous	Yes	No	No	No
Cryptomeria (<i>Cryptomeria japonica</i>)	Radicans,	Upright to Pyramidal	Moderate	30 to 50 ft	5-10 Feet	Evergreen	No	Minimal	No	Intermediate
Foster Holly (<i>Ilex x attenuate 'Fosteri'</i>)	Several cultivars	Upright to Pyramidal	Slow	Less than 30 ft	4-8 Feet	Evergreen	No	Minimal	No	Intermediate
Chinese Holly (<i>Ilex cornuta</i>)	Several cultivars	Bushy and dense	Moderate	Less than 30 ft	4-6 Feet	Evergreen	Yes	No	Yes	Intermediate
Nellie Stevens Holly (<i>Ilex x 'Nellie R Stevens'</i>)	Several cultivars	Upright to Conical	Moderate	Less than 30 ft	4-8 Feet	Evergreen	Yes	No	No	Intermediate
American Holly (<i>Ilex opaca</i>)	Greenleaf	Upright to Pyramidal	Slow to Moderate	30 to 50 ft	5-10 Feet	Evergreen	No	Minimal	No	Yes
Yaupon Holly (<i>Ilex vomitoria</i>)	Several cultivars	Upright to Irregular	Moderate to Fast	Less than 30 ft	5-10 Feet	Evergreen	Yes	Yes	Yes	Intermediate
Witch-hazel* (<i>Hamamelis virginiana</i>)	Dense compact varieties	Round to Open	Moderate	Less than 30 ft	5-10 Feet	Deciduous	Yes	No	No	Intermediate
Chinese Juniper (<i>Juniperus chinensis</i>)	Keteleeri	Upright to Conical	Moderate to Fast	30 to 50 ft	5-10 Feet	Evergreen	Some varieties	No	Yes	No
Rocky Mountain Juniper (<i>Juniperus scopulorum</i>)	Spartan	Upright to Conical	Moderate	30 to 50 ft	5-10 Feet	Evergreen	Some varieties	No	Yes	No
Eastern Red Cedar (<i>Juniper virginiana</i>)	Brodie, Berkie, Canaertii	Upright to Conical	Moderate	30 to 50 ft	5-10 Feet	Evergreen	No	No	Yes	No
American Sweetgum (<i>Liquidambar styraciflua</i>)	Slender silhouette	Columnar	Moderate	30 to 50 ft	6 Feet	Deciduous	No	Yes	No	No
Southern Magnolia (<i>Magnolia grandiflora</i>)	Little Gem, Alta	Upright to Oval	Slow to Moderate	30 to 50 ft	Variable	Evergreen	Some varieties	Minimal	Yes	Intermediate
Sweetbay magnolia (<i>Magnolia virginiana</i>)	Dense compact varieties	Upright to Spreading	Moderate	30 to 50 ft	5-8 Feet	Deciduous	No	Yes	No	Yes
Norway spruce (<i>Picea abies</i>)	Many cultivars	Pyramidal	Moderate	Over 50 ft	10 Feet	Evergreen	No	No	No	No
Eastern white pine (<i>Pinus strobus</i>)	Many cultivars	Pyramidal	Moderate to Fast	Over 50 ft	10 Feet	Evergreen	No	No	No	Intermediate
Weeping Cherry (<i>Prunus subhirtella</i>)	Dense compact varieties	Weeping	Moderate	Less than 30 ft	5-10 Feet	Deciduous	Some varieties	No	No	No
Cherry Laurel (<i>Prunus caroliniana</i>)	Bright N Tight, Cherry Ruffles	Open to Irregular	Fast	Less than 30 ft	5-10 Feet	Deciduous	Some varieties	No	Yes	Yes
English Oak (<i>Quercus robur</i>)	Regal Prince, Skyrocket	Columnar	Slow to Moderate	30 to 50 ft	6 Feet	Deciduous	No	No	No	No
Pin Oak (<i>Quercus palustris</i>)	Green Pillar	Columnar	Moderate	30 to 50 ft	6 Feet	Deciduous	No	Yes	No	No
Eastern arborvitae (<i>Thuja occidentalis</i>)	Emerald, Green Giant, Nigra, Techny	Upright to Conical	Moderate	Less than 30 ft	5-8 Feet	Evergreen	No	Minimal	Yes	No
Viburnum spp. (<i>Viburnum</i> spp.)	Dense compact varieties	Open to Irregular	Fast	Less than 30 ft	4-6 Feet	Deciduous	Yes	Yes	Yes	Yes
Chastetree (<i>Vitex negundc</i>)	Few	Vaseshape to Round	Fast	Less than 30 ft	Indistinct	Deciduous	Yes	No	No	No