

LANDSCAPE TREE RECOMMENDATIONS FOR THE EASTERN UNITED STATES



LATIN NAME/ COMMON NAME	ZONE	HT	COMMENTS
<i>Acer buergerianum</i> Trident Maple	6-8	25'	Good specimen tree or screen for small landscapes. Brilliant orange-red fall color. Broad spreading crown unless trained for street tree planting. Requires acid, well-drained soils. Tolerates drought
<i>Acer campestre</i> Hedge Maple	5-8	25'+	Small tree suitable for planting as a street tree under utility lines, or as a hedge or specimen planting. Tolerant of urban sites. Requires good soil drainage but tolerates alkaline pH. Low branching habit and broad crown require training for street tree planting. Cultivars: 'Queen Elizabeth'-Upright branching habit. Plant Zone 6-8.
<i>Acer ginnala</i> Amur Maple	3-8	20'	Use as a specimen planting, low hedge street tree or as a container planting. Generally multi-stemmed unless to a pruned single trunk. Yellow, orange or red fall color. Tolerates poor soil drainage and alkaline pH. Cultivars: 'Flame' Red fruit (samaras). 'Embers'- Red fruit and brilliant red fall color.
<i>Acer griseum</i> Paperbark Maple	5-8	25'	Graceful tree for specimen planting. Cinnamon-brown exfoliating bark and red fall leaf color provide seasonal interest. Requires moist, well drained soils to prevent leaf scorch and decline. pH adaptable.
<i>Acer platanoides</i> Norway Maple	4-6	60'	Street or shade tree. Needs wide tree lawn to avoid sidewalk damage. Transplant easily and grows rapidly. Tolerant of urban conditions. Prone to root collar disorders. Cultivars: 'Columnare'-Fastigate crown; 'Crimson king' Purple-red leaves; 'Deborah' -Purple thick leaves. Resistant to Verticillium wilt; 'Summershade' Broad, dense crown. Resistant to Verticillium wilt.

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<i>Acer rubrum</i> Red Maple	3-9	50+	<p>Native tree for specimen, mass planting and street tree. Yellow to red fall color. Subtle red flowers in late winter, early spring. Best maple below Zone 6. Tolerant of heavy, poorly drained soils and adverse environmental conditions. Shallow roots can inhibit grass and heave sidewalks. Relatively weak wood; prone to breakage and decay. Manganese deficiency occurs on alkaline soils.</p> <p>Cultivars: ‘Armstrong’-Upright form, probably a cross between red and silver maple; ‘Bowhall’-Narrow, upright crown; ‘Northwood’-Cold hardy (Zone 3), seedless; ‘October Glory’-Crimson red fall color; ‘Red Sunset’-red fall color.</p>
<i>Acer saccharum</i> Sugar Maple	3-7	60+	<p>Specimen tree for large sites, parks. Suitable for street tree where large tree lawns exist. Brilliant fall color and strong wood characteristics. Requires moist, well-drained soils. Tolerates shade when young. Sensitive to salt, compacted soil, limited root space.</p> <p>Cultivars: ‘Goldspire’-Narrow crown, yellow fall color; ‘Legacy’-More drought tolerant than species. Thick, dark green leaves. Recommended where sugar maple is desired in Zones 7 and 8.</p>
<i>Acer tatarian</i> Tatarian Maple	3-6	15+	<p>Small tree for specimen or street tree (if pruned). Broad spreading crown. Showy flowers and fruit. Tolerates adverse environmental conditions including alkaline soils.</p>
<i>Amelanchier spp.</i> Serviceberry	3-8	20’	<p>Small tree for specimen planting or mass planting along borders of natural areas. Poor street tree. White flowers, edible purple berries, yellow to orange fall color. Tolerates sun or shade. Needs moist, well-drained soils. Susceptible to many pests.</p> <p>Cultivars: Numerous cultivars selected for flowering, form and fall color.</p>

LATIN NAME/ COMMON NAME	ZONE	HT	COMMENTS
<i>Betula nigra</i> River Birch	4-8	50+	<p>Specimen tree best used in moist soils. Salmon-white exfoliating bark when young but turns dark with age. Tolerates poor drainage. Grows rapidly (3-4' per year). Needs acidic soil. Resistant to leafminer and borers.</p> <p>Cultivars: 'Heritage'-Bark remains smooth and white for longer period.</p>
<i>Betulus jacquemontii</i> Himalayan White Birch	4-8	40'+	<p>Specimen tree. White smooth bark. Performs best on moist well-drained soils. Heat tolerant. Resistant to leafminer. Susceptibility to borer is unknown. Plant on moist, well drained soils. Limited availability.</p>
<i>Carpinus betulus</i> European Hornbeam	5-8	40'	<p>Specimen planting, hedges or screen. Dense, fine-textured crown. Fluted, steel grey bark. Tolerates wide range of soil conditions including alkaline pH. Tolerates heavy pruning. Tolerates light shade.</p> <p>Cultivars: 'Columnaris'-Distinctively narrow and very upright; 'Fastigiata'-Narrow, oval (egg-like) shape. Both cultivars are suitable for confined spaces including street tree plantings.</p>
<i>Cedrus atlantica</i> Atlas Cedar	6-8	60'	<p>Specimen tree or screen. Requires well drained soil and protection from wind. Tolerates alkaline soils. Sapsuckers frequently cause major injury.</p> <p>Cultivars: 'Glauca'-Blue foliage, good substitute for blue spruce in South; 'Glauca Pendula'-Blue foliage, weeping form.</p>
<i>Cedrus deodora</i> Deodar Cedar	7-8	60'+	<p>Specimen tree or screen. Same requirements as <i>C. atlantica</i>. Has blue grey foliage. Fine textured habit.</p> <p>Cultivars: 'Shalimar'-Hardy form. Will tolerate -15°F.</p>
<i>Cedrus libani</i> Cedar of Lebanon	5-7	60'+	<p>Specimen tree. Same culture as <i>C. atlantica</i>.</p> <p>Cultivars: 'Stenocoma'-Cold hardy variety recommended for Northeast and Midwest.</p>

LATIN NAME/ COMMON NAME	ZONE	HT	COMMENTS
<i>Celtis occidentalis</i> Hackberry	2-9	60'	Specimen or street trees. Requires wide tree lawn. Grey bark with corky projections. Tolerant of poor growing conditions including alkaline soils. Leaf galls can be severe. Cultivars: 'Prairie Pride'- Thick, dark green foliage, rapid growth. Desirable form.
<i>Cercidiphyllum japonicum</i> Katsura Tree	4-8	50'	Excellent specimen tree. Broad crown requires space. Interesting exfoliating bark, heart-shaped leaves. Yellow-orange fall color. Needs moist, well-drained soil. Full sun. Very sensitive to drought.
<i>Cercis reniformis</i> Texas Redbud	5-8	20'	Specimen tree, can be used as residential street tree in sun or shade. Flowers in early spring. Thick, glossy leaves, resist scorch. More tolerant of urban landscapes than Eastern redbud. Species show wide diversity of characteristics so use cultivars. Cultivars: 'Oklahoma'-Deep purple blooms; 'Texas White'-White blooms.
<i>Chionanthus virginicus</i>	3-8	20'	Specimen tree for sun or light shade. Frequently used in mass plantings at margins of woods. White flowers in early Fringetree spring. Dark blue fruit (drupe) in summer. Prefers moist well-drained acid soils.
<i>Chionanthus retusus</i> Chinese Fringetree	5-8	25'	Specimen tree for sun or light shade. Worthy of trial use as a residential street tree. Thick leathery, lustrous green leaves. Flowers in early spring. Blue fruit (drupe) in summer (female plants). Tolerant of adverse growing conditions.
<i>Cladrastris lutea</i> Yellowwood	4-8	40'	Specimen tree. Broad spreading crown. Steel grey, smooth bark showy white flowers in mid-spring. Yellow fall color. Tolerates alkaline soils. Need full sun and well drained soil. Needs pruning when young to avoid weak branching habit.

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<i>Cornus florida</i> Flowering Dogwood	5-8	25'	Popular specimen tree or for naturalizing. White flowers in early spring. Red fall color. Red fruit persists into winter. Requires morning sun, acid, moist, well-drained, fertile soils. Dogwood anthracnose has reduced popularity. Cultivars: Too numerous to list. See Dirr for descriptions.
<i>Cornus kousa</i> <i>C. florida</i> . Kousa Dogwood	5-8	25'	Specimen tree frequently used as replacement to <i>C. florida</i> . Can be used as a residential street tree. Flowers in mid-spring, one month later than flowering dogwood. Exfoliating bark provides winter interest. Tolerates adverse conditions. This species displays a wide diversity of traits. Select cultivars to ensure desired characteristics. Cultivars: "Milky Way"-Heavy bloom; 'Summer Stars'-Heavy bloom which persists for weeks.
<i>Cornus florida x kousa</i> Orton Hybrid Dogwoods	5-8	25'	Specimen tree or naturalizing. These hybrids were developed by Dr. Elwin Orton at Rutgers University. They are resistant to dogwood anthracnose and dogwood borer. Flowering begins about two weeks later than flowering dogwood. Cultural requirements are similar to Kousa. Trees exhibit significant hybrid vigor. Cultivars: 'Aurora', 'Constellation' 'Celestial'-All are relatively tall trees with white bracts. 'Stellar Pink' Pink blooms.
<i>Cornus mas</i> Yellow Dogwood Cornelian cherry	4-8	20'	Useful for naturalizing, border and mass plantings. flowers in later winter/early spring. Plant in sun or shade. Adapted to acid or alkaline soils. Tolerant of moist and dry soils. Resistant to anthracnose.

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<i>Crataegus crusgalli</i> Cockspur Hawthorne	3-7	25'	Specimen tree for full sun. Broad crown. White flowers in early spring. Showy red fruit in autumn. Tolerates poor soil conditions. Needs drainage. Has 2 inch thorns. Susceptible to rust and lacebug. Cultivars: "Inermis"-Thornless variety, suitable for street tree use.
<i>Crataegus phaenopyrum</i> Washington Hawthorne	3-8	25'	Specimen tree. White flowers (spring) and showy red fruit. Tolerates poor soils including alkaline pH. Susceptible to rust and lacebugs. Cultivars: 'Princeton Sentry'-Has few thorns.
<i>Cryptomeria japonica</i> Japanese Cedar	6-8	60'+	Beautiful evergreen for specimen or screen. Performs best in Zone 7-8. Fast growth adaptable to poor soils. Desiccation may occur on windy sites. Plant cultivars to assure desirable form. Cultivars: 'Ben Franklin'-Excellent form; 'Yoshino' Blue green foliage. Excellent form.
<i>x Cupressocyparis leylandii</i> Leyland Cypress	5-8	60'	Use as screen, hedge or group planting. Upright growth similar to redcedar. Fast growth (3'+ per year). Tolerant of poor soils including alkaline pH. Salt tolerant. Needs full sun. Canker disease can cause decline especially following droughts. Bagworms can defoliate. Cultivars: 'Castlewellan'-Gold foliage.
<i>Eucommia ulmoides</i> Hardy Rubber Tree	4-8	50'	Specimen or street tree. Broad spreading crown. Dark green glossy leaves. Drought tolerant. Tolerates adverse growing conditions. Tolerates alkaline soil. No major pests.
<i>Fagus grandifolia</i> American Beech	3-8	60'+	Specimen tree. Broad crown. Massive limbs. Smooth grey bark. Requires moist, well-drained, loose acid soils. Does not tolerate site changes or environmental stress. Scale and beech bark disease cause decline north of Philadelphia. Best beech for Zone 7-8.

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<i>Fagus sylvatica</i> European Beech	4-7	60'+	<p>Same characteristics as <i>F. grandifolia</i>. Performs best in Zones 5-6. Lifespan is about 100 years in U.S.</p> <p>Cultivars: 'Asplenifolia'-Fern-like (cutleaf) foliage; 'Atropunicea'-Purple leaves; 'Cuprea'-Copper color foliage; 'Dawck'-Fastigate form; 'Pendula'-Weeping form.</p>
<i>Franklinia alatamaha</i> Franklinia	5-8	25'	<p>Specimen tree. Showy white flowers in summer. Orange-red fall color. Needs moist, well-drained acid soil. Sun or partial shade. Very susceptible to Phytophthora root rot.</p>
<i>Fraxinus pennsylvanica</i> Green Ash	3-8	70'+	<p>Specimen or street tree (wide lawns). Oval, coarse form. Very adaptable to poor soil conditions. Tolerates dry or poorly drained soils, pH adaptable. Rapid growth rate. Sensitive to many pests, especially clearwing borers when young. Resistant to ash yellows that is decimating white ash in many areas.</p> <p>Cultivars: 'Marshall Seedless'-Male tree that is seedless; 'Skyward'-Narrow, upright form; 'Urbanite'-Seedless. Conical, dense crown. Dark green, thick leaves.</p>
<i>Ginkgo biloba</i> Ginkgo	4-8	60'+	<p>Specimen or street tree. Unique irregular crown. Unique fan shaped leaf. Yellow fall color. Tolerates environmental stress. Adapts to a wide range of soil including alkaline pH. Slow to recover following transplanting. No serious pests. Plant males to avoid objectionable fruit.</p> <p>Cultivars: 'Princeton Sentry'-Upright form; 'Lakeview'-Upright form. 'Palo Alto'- Good form and fall color.</p>

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<i>Gleditsia triacanthos</i> <i>var. inermis</i> Honeylocust	4-8	60'+	<p>Specimen or street tree. Open, spreading crown casts light shade. Tree is compatible with turf. "Clean" tree: produces little leaf litter. The var. <i>inermis</i> is thornless. Tolerates wide range of soils including alkaline pH. Tree has been over used in areas. Numerous pests cause defoliation, including mites, bagworms, plantbugs, leaf galls and web-worm.</p> <p>Cultivars: 'Shademaster'-Vase like shape. Thornless, reduced fruit; 'Skyline'-Relatively upright, thornless, reduced fruit.</p>
<i>Gymnocladus dioicus</i> crown. Kentucky Coffeetree	3-8	70'+	<p>Specimen tree for large properties. Broad spreading Coarse texture provides winter interest. Showy flowers, panicles in late spring. Tolerates dry, alkaline soils once established.</p>
<i>Halesia carolina</i> Silverbell	4-8	30'	<p>Use as a specimen tree, border planting or naturalize as an understory plant. Showy, white bell shaped flowers in early spring. Showy, light brown winged fruit .Requires acid, well-drained, moist soil. Tolerates sun or shade.</p>
<i>Koelreuteria paniculata</i> Goldenrain Tree	5-8	30'	<p>Small specimen tree and street tree in residential areas. Showy yellow flowers in summer. Showy papery fruit (capsules) in autumn. Requires full sun and well-drained soils. Tolerant of alkaline soils. Has weak wood; prone to storm damage.</p>
<i>Lagerstromia indica</i> Crapemyrtle	7-8	15-25'	<p>Specimen plant, group planting, street tree. Generally multi-stemmed plant but can be pruned into single stem. Showy flowers in summer. Smooth to exfoliating bark. Tolerant of wide range of soil conditions and environmental stress. Needs full sun. Susceptible to aphids and mildew.</p> <p>Cultivars: 'Byers Red'-25' Red flowers, mildew resistant; 'Natchez'-25' White flowers, mildew and aphid resistant, showy bark; 'Seminole'-25' Pink flowers, mildew resistant; 'Tuskegee'-25' Dark pink flowers, mildew resistant; 'Hopi'-10' Pink flowers, mildew resistant. Most cold hardy cultivar.</p>

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<i>Liquidambar styraciflua</i> Sweetgum	5-8	70'+	<p>Specimen tree or street tree. Rapid growth. Star shaped leaves with red fall color. Fruit is considered objectionable by some. Manganese deficiency occurs on alkaline soil. Tolerates poor drained soils.</p> <p>Cultivars: 'Rotundiloba'-Rounded leaf lobes. Fruitless. Hardy to -10°F.</p>
<i>Maackia amurensis</i> Amur Maackia	3-8	30'	<p>Specimen tree or possible small street tree for residential areas (largely untested in this capacity). Showy white flowers in summer. Interesting, exfoliating bark. Light shade, similar to honeylocust. Requires full sun, soil drainage. Tolerates alkaline pH.</p>
<i>Magnolia grandiflora</i> Southern Magnolia	7-8	70'	<p>Specimen tree. Glossy, evergreen foliage. Large, white flowers in summer. Needs moist, well-drained acid soil, full sun and large growing space.</p> <p>Cultivars: Numerous 'Brackens Brown Beauty' Desirable, compact form, pubescent leaves (undersides); 'Edith Bogue'-Most cold hardy cultivar (-10°F); 'Little Gem'-Dwarf variety to 20'. Good for small properties and screens. Flowers produced into October.</p>

LATIN NAME/ COMMON NAME	ZONE	HT	COMMENTS
<i>Malus sp.</i> Crabapple			Small tree for street or specimen planting. Showy flowers (early spring) and fruit (fall). Flower color, form and fruit characteristics depends on cultivar. Tolerates adverse environments and diverse soil conditions. Sensitive to a variety of insects and disease pests. Select resistant variety. Hardiness and size depends on variety.

Cultivars/Species: Over 30 species and 200 cultivars have been named. A listing of some desirable disease resistant varieties are listed as follows:

Species/Cultivar	Flowers	Fruit	Habit	Notes
<i>Malus floribunda</i>	Pink-white	Yellow	Broad-rounded	Slight susceptibility to Japanese Crab scab and fireblight. Easy to find in nurseries.
<i>M. sargentii</i>	Red-white	Red	Mounded, wide	Slightly susceptible to scab and spreading fireblight. Dwarf, seldom exceeds 10'. Good for containers.
'Adams'	Pink	Red	Rounded	Slightly susceptible to fireblight and scab.
'Adirondack'	White-red	Red	Columnar	Disease resistant. Narrow crown.
'Calloway'	White	Red	Rounded	Slightly susceptible to fireblight and rust.
'Donald Wyman'	White	Red	Large, spreading	Disease resistant.
Indian Summer	Red	Red	Rounded	Disease resistant. Good fall color.
'Kathrine'	Double Pink-white	Yellow	Loose, open	Disease resistant.
'Louisa'	Pink	Yellow	Weeping	Best weeping tree. Disease resistant.
'Narragansett'	White-pink	Red	Broad, spreading	Disease resistant.
'Prairiefire'	Red-pink	Dark Red	Upright, rounded	Disease resistant.
'Sugar Tyme'	Pink-white	Red	Upright, oval	Disease resistant.

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<i>Metasequoia glyptostroboides</i>	4-8	75'+	Specimen tree for large properties. Deciduous conifer. Pyramidal form. Rapid growth rate. Tolerates poor drainage. Dawn Redwood Requires adequate soil moisture and acid pH.
<i>Nyssa sylvatica</i> Blackgum	3-8	50'+	Specimen tree. Potential street tree for wide tree lawns in residential areas. Interesting horizontal branching habit and great red fall color. Tolerates poor soil drainage and urban conditions. Needs acid soils. Difficult to transplant which restricts use. Plant container grown or B & B.
<i>Oxydendron arboreum</i> Sourwood	5-8	30'	Plant as specimen tree or as understory for naturalizing. Showy, white flowers in summer. Excellent red fall color. Requires acid, moist, well drained soils. Tolerates sun or partial shade.
<i>Parrotia persica</i> Parrotia	4-8	25'+	Specimen tree. Broad spreading small tree. Blooms rather inconspicuously in late winter. Showy, brown fruit capsule. Beautiful exfoliating bark. Tolerant of soil conditions once established. Will tolerate alkaline soil pH. Tolerates light shade. Pest resistant.
<i>Phellodendron amurense</i> Amur Corktree	3-8	50'	Specimen tree for large properties. Broad spreading crown. Interesting furrowed, corky bark. Showy, black fruit in fall and winter. Requires full sun. Requires moist, well-drained soils. Tolerant of alkaline pH.
<i>Picea abies</i> Pyramidal Norway Spruce	2-7	70'+	Coniferous evergreen. Specimen tree or screen. habit. Pendulous branches. Rapid growth rate. Tolerates open windy conditions. Tolerates most soil conditions, including alkaline soils.
<i>Picea glauca</i> White Spruce	2-6	50'	Coniferous evergreen for harsh sites. Use as windbreak specimen or screen. Pyramidal to narrow form. Needles, short stiff, pale green. Tolerates windy, dry and poorly drained soils. Worthy of use where other evergreens will not grow.
<i>Picea omorika</i> Serbian Spruce	4-7	60'	Specimen tree or screen. Pendulous branches, pyramidal to narrow form. Requires moist, well-drained soils and protection from wind. pH adaptable. Probably most heat tolerant spruce. Tolerates partial shade.
<i>Pinus bungeana</i> Lacebark Pine	4-8	30'+	Specimen tree. Showy exfoliating bark. Requires moist, well drained soils. Tolerates alkaline pH.

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<i>Pinus flexilis</i> Limber Pine	4-7	30'+	Specimen tree. Five needle pine. Very dark green foliage. Fine, textured. Highly ornamental. Tolerates dry soils and alkaline sites when established.
<i>Pistachia chinensis</i> Chinese Pistache	6-8	30'	Small tree for specimen or street planting. Dark green leaves turn brilliant yellow to orange-red in fall. Showy blue to red fruit (drupe) in fall. Tolerates dry alkaline soils. Must have drainage and full sun. Should be used more as a street tree under utility lines in the Southeast.
<i>Platanus x acerifolia</i> London Planetree	4-8	70'+	Specimen or street tree. Exfoliating bark. Spreading habit. Fast growth. Tolerant of wide range of soil and adverse conditions. pH adaptable. Decay resistant. Canker stain disease is limiting to use in many areas. Cultivars: 'Bloodgood'-Anthracnose resistant, ozone sensitive; 'Columbia'-Anthracnose resistant; 'Liberty'-Anthracnose resistant.
<i>Prunus mume</i> Japanese Apricot	6-8	20'	Specimen plant or residential street tree. Pink blooms in winter. (Late January in Charlotte) Interesting green, smooth stems. Oval growth habit. Requires full sun, acid, well-drained soil. Cultivars: 'Alba Plena'-Double white flowers; 'Dawn'-Double pink flowers; 'W.B.Clarke'-Weeping, double pink flowers.
<i>Prunus sargentii</i> Sargent Cherry	4-8	40'+	Specimen or street tree. Pink flowers in early spring. Yellow to red fall color. Reddish, brown, smooth bark. Broad spreading crown. Perhaps the most environmentally tolerant flowering cherry. Prefers acid, well-drained soils. Cultivars: 'Columnaris'-Columnar form.
<i>Prunus yeodensis</i> Yoshino Cherry	5-8	40'	Specimen or street tree. Single pink flowers in early spring. Rounded habit. Yellow fall color. Generally performs better than Kwanzan Cherry. Prefers acid, well-drained soil.

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<i>Prunus virginiana</i> 'Schubert' Schubert Cherry	2-6	25'	Specimen or street tree. Upright pyramidal habit. White flowers in early spring. Red fruit in summer. Leaves emerge green turning dark purple at maturity. Tolerant of wide range of soils. This cultivar also is sold as 'Canada Red'.
<i>Pyrus calleryana</i> Callery Pear	5-8	50'	<p>"Specimen tree" or street tree. Formal pyramidal shade. White flowers in early spring. Glossy, green foliage. Brilliant red fall color. Tolerates wide range of growing conditions. This tree has merit only in areas where few other trees will grow such as inner cities and parking islands. Weak wood and poor branching habit virtually ensures storm damage and premature loss of the tree.</p> <p>Cultivars: 'Aristocrat'-Best branching habit, but more susceptible to fireblight; 'Bradford'-Most common variety. Prone to breakage; 'Chanticleer'-Upright, narrow form.</p>
<i>Quercus acutissima</i> Sawtooth Oak	5-8	50'	Specimen or street tree. Wide spreading form. Leaves are elongate, glossy, bright green. Similar to chestnut. Relatively fast growth. Tolerates wide range of soil conditions. Needs acid pH.
<i>Quercus imbricaria</i> Shingle Oak	4-8	60'+	Specimen or street tree. Round crown. Tolerates dry soils city conditions. Tolerates alkaline pH better than most oaks.
<i>Quercus macrocarpa</i> Bur Oak	2-8	75'+	Specimen tree for large properties. Develops massive trunk and branches. Broad crown. Adapted to moist to dry soils, acid or alkaline.
<i>Quercus ellipsoidalis</i> Northern Pin Oak	2-6	75'	Specimen or street tree. Resembles pin oak but adapts to alkaline and dry soils. May be difficult to locate this tree in Eastern nurseries. Distinguish from <i>Q. palustris</i> by elliptical acorn. Pin oak is more rounded.
<i>Quercus schumardii</i> Schumard Oak	5-9	60'	Specimen or street tree. Similar to pin oak but tolerates dry as well as wet soil. May be resistant to bacterial leaf scorch.
<i>Quercus phellos</i> Willow Oak	5-8	75'+	Specimen or street tree. Oval to rounded broad form. Rapid growth. Fine texture. Use mid-western nurseries when planting North of Washington, DC.

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<i>Quercus robur</i> English Oak	4-8	75'	<p>Specimen tree. Broadly rounded crown. Small white, oak shaped leaves. Relatively fast growth. Tolerates alkaline pH.</p> <p>Cultivars: 'Fastigiata'-Very narrow, upright form; 'Pyramich'-Upright, but less narrow than 'Fastigiata'.</p>
<i>Sophora japonica</i> Japanese Pagodatree	4-8	60'	<p>Specimen or street tree. Broad spreading, rounded crown. Showy white flowers in summer. Withstands urban conditions. Tolerant of heat, drought, poor soil drainage and alkaline soils. Wood is somewhat brittle. Requires periodic thinning (branch ends) to avoid storm damage.</p> <p>Cultivars: 'Regent'-Consistent good form, showy, profuse bloom; 'Princeton Upright'-Columnar form; 'Pendula'-Weeping habit. Low growing.</p>
<i>Stewartia pseudocamellia</i> Japanese Stewartia	5-8	25'	<p>Excellent specimen tree. Beautiful exfoliating bark. Fine texture. Showy flowers in summer. Yellow to red fall color. Requires moist, well-drained acid soils. Full sun or partial shade.</p>
<i>Styrax japonicus</i> Japanese Snowball	5-8	25'	<p>Specimen tree or border plantings. Low branched, broadly rounded tree. White, bell-shaped flowers in mid-spring, showy grayish fruit (drupe) in late summer. Requires acid, moist, well drained soils. Full sun or partial shade.</p> <p>Cultivars: 'Pendula'-Weeping; 'Rosea'-Pink flowers.</p>
<i>Syringa reticulata</i> Japanese Tree Lilac	3-7	25'+	<p>Use as specimen or street tree. Interesting cherry-like bark. Showy white blooms in summer. Tolerates urban conditions rather well. Tolerates alkaline soil pH. Requires good soil drainage and full sun. Affected by few pests that bother most lilacs.</p> <p>Cultivars: 'Ivory Silk'-Compact, rounded form. Heavy bloom; 'Regent'-Upright form, good for streets with minimal space; 'Summer Snow'-Profuse bloom. Compact form.</p>

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<i>Taxodium distichum</i> Bald Cypress	4-8	70'+	<p>Street or specimen tree. Deciduous pyramidal upright growth. Tolerates poor drainage as well as very dry soils. Must have full sun and acid soils. Iron deficiency is severe on alkaline sites.</p> <p>Cultivars: 'Shawnee Brave'-Narrow, pyramidal crown. Best for streets.</p>
<i>Tilia cordata</i> Littleleaf Linden	3-7	60'	<p>Street or specimen tree. Pyramidal form when young. Becomes rounded with age. Yellow fragrant flowers in early summer. Fast growth. Tolerates urban conditions including dry, alkaline soils. Needs full sun. Very susceptible to Japanese beetle, aphids. Cankers restrict use in Zone 7-8.</p> <p>Cultivars: 'Greenspire'-Dense, upright, branching. Fast growth.</p>
<i>Tilia tomentosa</i> Silver Linden	4-7	60'	<p>Specimen or street tree. Similar form and culture as <i>Tilia cordata</i>. Undersides of leaves are silver and provide interest. Reportedly shows some resistance to Japanese beetle. Aphids are still a problem.</p>
<i>Ulmus parvifolia</i> Lacebark Elm	5-8	60'	<p>Street or specimen tree. Interesting exfoliating bark. Small leaves, fine texture. Upright, spreading habit. Does not compare to American Elm but nothing does! Tolerates drought, poorly drained soils, alkaline pH and city conditions. Resistant to elm leaf beetle and DED. Periodic thinning (branch ends) is necessary to avoid storm damage.</p> <p>Cultivars: 'Dynasty'-More cold hardy than species. Upright, vase-shaped.</p>
<i>Zelkova serrata</i> Japanese Zelkova	5-8	60'	<p>Street or specimen tree. Upright broad spreading crown. Some descriptions compare it to American Elm but form is more similar to a "yield" sign. Small, elm-like leaves. Smooth, grey bark eventually exfoliating to expose orange patches. Tolerant of urban conditions, alkaline pH, dry or wet soils. Relatively pest free. Susceptible to Phtophthora canker when soil or mulch is placed around root collar.</p> <p>Cultivars: 'Green Vase'-Rapid growth, vase-like form; 'Halka'-Wider, spreading form and arching branches; 'Village Green'-Vase-like form.</p>