

Scientific Name	Common Name	Family	Alternate Name(s)	USDA Hardiness Zone Limit	Street Tree	Limited Use	Evergreen	Utility Compatible	Facilities	Height	Spread	Exposure	Native	Salt	Pest and disease Problems	Notes
<i>Abies balsamea</i>	Balsam fir	Pinaceae	balm of Gilead	3			X		X	50-75 ft	20-35 ft	Full sun	Yes	Moderately tolerant	Cankers, woolly aphids	does poorly on dry exposed sites
<i>Abies concolor</i>	White fir	Pinaceae	concolor fir, Colorado fir	3			X		X	30-50 ft	15-20 ft	Full sun	No	Intolerant	No serious problems	
<i>Abies fraseri</i>	Fraser fir	Pinaceae		4			X		X	30-40 ft	20-25 ft	Full sun to partial shade	No	Intolerant	Balsam woolly adelgid, bark beetles, spruce budworms, aphids, bagworms, scale, root rots, needle rust and twig blight	
<i>Abies koreana</i>	Korean fir	Pinaceae		5			x		x	30-50 ft	6-12 ft	Full sun to partial shade	No	Intolerant	Disease problems include root rot, needle rust and twig blight	tolerant of alkaline soils and heat tolerant, Purple/Blue upright cones, needles have an attractive silver underside.
<i>Acer nigrum</i>	Black Maple	Sapindaceae		3					X	60-75 ft	40-50 ft	Full sun to full shade	Yes	Intolerant	Leaf scorch, verticillium wilt, tar spot, anthracnose, Asian longhorn beetle	
<i>Acer pensylvanicum</i>	Snake Bark Maple	Sapindaceae	Striped maple, moosewood	3						15-25 ft	12-20 ft	partial sun	No	Intolerant	No serious problems	
<i>Acer triflorum</i>	Three Flowered Maple	Sapindaceae		5					X	20-30 ft	20-30 ft	Full sun to full shade	No	Moderately tolerant	Verticillium wilt	yellow, orange, and red fall foliage
<i>Aesculus flava</i>	Yellow Buckeye	Hippocastanaceae		4					X	60-80 ft	25-35 ft	Full sun to partial shade	No	Moderately tolerant	Leaf scorch, fungal leaf blotch	Messy fruit/plant parts
<i>Aesculus glabra</i>	Ohio Buckeye	Hippocastanaceae		3					X	20-40 ft	20-40 ft	Full sun to partial shade	No	Moderately tolerant	Leaf blotch, powdery mildew, scale, Japanese beetles, leaf scorch.	Buckeyes should not be eaten. Premature leaf drop is probable in hot, dry periods.
<i>Aesculus hippocastanum</i>	Horse Chestnut	Hippocastanaceae		3					X	50-75 ft	40-65 ft	Full sun to partial shade	No	Tolerant	Leaf scorch, fungal leaf blotch.	Large seed in a prickly husk
<i>Aesculus pavia</i>	Red Buckeye	Hippocastanaceae		5					X	15-20 ft	15-30ft	Full sun to full shade	No	Moderately tolerant	Powdery mildew, leaf blotch.	Red flowers in spring
<i>Alnus hirsuta</i>	Manchurian Alder			3	X				X	25-40 ft	20-30 ft	Full sun to full shade	No	Intolerant	No serious problems	one of the most drought tolerant alders on the market
<i>Amelanchier canadensis</i>	Shadblow serviceberry	Rosaceae	Canada serviceberry	3	X			X	X	10-20 ft	10-20 ft	Full sun to partial shade	No	Moderately tolerant	No serious problems	Fruit is edible
<i>Amelanchier laevis</i>	Allegheny serviceberry	Rosaceae	smooth shadbush, juneberry	4	X			X	X	15-25 ft	15-25 ft	partial sun	No	Intolerant	No serious problems	Fruit is edible
<i>Amelanchier x grandiflora</i>	Autumn Brilliance serviceberry	Rosaceae	apple serviceberry	4	x			x	x	15-25 ft	15-25 ft	Full sun to full shade	no	intolerant	Rust, leaf spot, fire blight, powdery mildew and canker are occasional disease problems	Attractive orange to deep red fall color. Birds are attracted to edible fruit.
<i>Asimina triloba</i>	Pawpaw	Annonaceae	prarie banana	5						15-25 ft	15-20 ft	partial sun	No	Intolerant	No serious problems	sensitive to drought, resistant to deer browse
<i>Betula alleghaniensis</i>	Yellow Birch	Betulaceae		3					X	60-75 ft	60-75 ft	Full sun to partial shade	Yes	Intolerant	Leaf spots, cankers, birch leaf miners, birch skeletonizer	
<i>Betula cordifolia</i>	Heart Leaved Birch	Betulaceae	Mountain paper birch, eastern paper birch	3					X	50-70 ft	20-45 ft	Full sun to partial shade	No	Tolerant	Leaf miners, cankers	Shows some resistance to the bronze birch borer.
<i>Betula lenta</i>	Sweet Birch	Betulaceae	black birch, cherry birch	3					X	40-50 ft	35-45 ft	Full sun	No	Intolerant	Cankers, aphids, leaf miners	Moderately susceptible to bronze birch borer.
<i>Betula nigra</i>	River Birch	Betulaceae	red birch	4	X				X	30-40 ft	20-30 ft	Full sun	Yes	Moderately tolerant	Aphids, leaf miners and leaf spots	Attractive pink-reddish bark that exfoliates to reveal lighter inner bark. Resistant to bronze birch borer
<i>Betula papyrifera</i>	Paper Birch	Betulaceae	White Birch	2						50-70 ft	20-45 ft	Full sun	Yes	Tolerant	Leaf miners, cankers	Not a good tree for tough sites. Shows some resistance to the bronze birch borer.
<i>Carpinus betulus</i>	European hornbeam															
<i>Carpinus caroliniana</i>	Musclewood	Betulaceae	Blue beech, American Hornbeam	3	X				X	25-40 ft	15-40 ft	Full sun to partial shade	Yes	Moderately tolerant	Not susceptible to any serious insect or disease problems	Naturally occurs in dry woodland understory
<i>Carya cordiformis</i>	bitternut hickory	Juglandaceae	bitternut, swamp hickory	4						50-70 ft	40-50 ft	Full sun to full shade	Yes	Tolerant	No serious problems	Debris from fruit drop can make fall cleanup difficult
<i>Carya glabra</i>	Pignut hickory															
<i>Carya illinoensis</i>	Pecan	Juglandaceae		5						70-100 ft	40-75 ft	Full sun	No	Intolerant	No serious problems	Fruit is edible
<i>Carya laciniosa</i>	Shellbark Hickory	Juglandaceae	kingnut hickory, big-leaved shagbark hickory	4						75-100 ft	50-75 ft	Full sun to partial shade	No	Intolerant	No serious problems	Fruit is edible
<i>Carya ovata</i>	Shagbark Hickory	Juglandaceae		4					X	60-80 ft	30-50 ft	Full sun to partial shade	Yes	Intolerant	No serious problems	Fruit is edible
<i>Carya tomentosa</i>	Mockernut Hickory	Juglandaceae	white hickory	4						50-60 ft	20-30 ft	Full sun to partial shade	No	Intolerant	No serious problems	Fruit is edible
<i>Catalpa bignoniodes</i>	Southern Catalpa	Bignoniaceae	common catalpa, eastern catalpa, cigar tree	5					X	30-40 ft	30-40 ft	Full sun to partial shade	No	Intolerant	Verticillium wilt, leaf spots, powdery mildew	Tree can be messy when fruits and flowers drop.

<i>Catalpa ovata</i>	Chinese Catalpa	Bignoniaceae	yellow catalpa	4	X				X	20-30 ft	20-30 ft	Full sun to partial shade	No	Moderately tolerant	Verticillium wilt, leaf spots, powdery mildew	Tree can be messy when fruits and flowers drop.
<i>Catalpa speciosa</i>	Northern Catalpa	Bignoniaceae	hardy catalpa, western catalpa	4	X				X	40-60 ft	20-40 ft	Full sun	No	Moderately tolerant	Verticillium wilt, leaf spots, powdery mildew	Messy fruit/plant parts, Weak wood and branch structure
<i>Celtis occidentalis</i>	Hackberry	Cannabaceae		2	X				X	40-60 ft	40-50 ft	Full sun to partial shade	Yes	Moderately tolerant	Witch's broom, hackberry nipple gall	Highly susceptible to ice damage, weak wood and branch structure
<i>Cercidiphyllum japonicum</i>	Katsura Tree	Cercidiphyllaceae	Japanese katsura	4	X				X	40-60 ft	20-30 ft	Full sun to partial shade	No	Tolerant	Leaf scorch	Sensitive to tough and dry sites
<i>Cercis canadensis</i>	Eastern Redbud	Fabaceae	redbud	4	X			X	X	20-30 ft	25-35 ft	Full sun to partial shade	No	Intolerant	Borers, cankers, verticillium wilt	Suffers in full sun or extreme summer heat.
<i>Chamaecyparis nootkatensis</i>	Alaska Cedar	Cupressaceae	Yellow cypress	4			X		X	25-40 ft	15-20 ft	Full sun	No	Intolerant	No serious problems	Needs consistently moist soils
<i>Chamaecyparis thyoides</i>	Atlantic White-Cedar															
<i>Cladrastis kentukea</i>	Yellowwood	Fabaceae	American yellowwood	4					X	30-50 ft	40-55 ft	Full sun	No	Moderately tolerant	Susceptible to verticillium wilt and borer damage	
<i>Cornus alternifolia</i>	Pagoda Dogwood	Cornaceae	alternate-leaved dogwood	3					X	15-25 ft	20-35 ft	Full sun to partial shade	No	Intolerant	Minor leaf infections, golden stem canker	
<i>Cornus mas</i>	Cornelian cherry dogwood	Cornaceae		4					X	20-25 ft	15-20 ft	Full sun to partial shade	No	Moderately tolerant	No serious problems	
<i>Corylus colurna</i>	Turkish filbert	Betulaceae	Turkish hazelnut	4	X				X	40-50 ft	15-35 ft	Full sun to partial shade	No	Intolerant	No serious problems	Fruit is edible
<i>Cotinus obovatus</i>	Smoke tree	Anacardiaceae	Chittamwood	4						20-30 ft	10-20 ft	Full sun to partial shade	No	Intolerant	No serious problems	excellent fall colors
<i>Crataegus spp.</i>	Hawthorn spp.: cockspur	Rosaceae		3	X			X	X	20-30 ft	20-35 ft	Full sun	No	Intolerant	Cedar rust, fireblight, leaf spots, scale, mites.	This variety is thornless
<i>Diospyros virginiana</i>	Persimmon	Ebenaceae	simmon, possumwood, and Florida persimmon	4	x				x	35-60 ft	20-35 ft	Full sun to partial shade	no	Intolerant	Impacted by persimmon wilt, webworm, and hickory horned devil.	Desireable wood, edible fruit, good for pollinators.
<i>Eucommia ulmoides</i>	Hardy Rubber Tree	Eucommiaceae		5	X				X	40-60 ft	30-50 ft	Full sun to partial shade	No	Moderately tolerant	No serious problems	
<i>Fagus grandifolia</i>	American Beech	Fagaceae		4					X	50-70 ft	50-70 ft	Full sun to partial shade	No	Intolerant	Beech bark disease, beech bark scale	
<i>Fagus sylvatica</i>	European Beech	Fagaceae	common beech	4						50-60 ft	35-45 ft	Full sun to partial shade	No	Intolerant	Cankers	
<i>Fraxinus mandshurica</i>	Manchurian Ash	Oleaceae	Mancana'	3	X	X			X	30-55 ft	25-35 ft	Full sun to partial shade	No	Tolerant	No serious problems	
<i>Ginkgo biloba</i>	Ginkgo	Ginkgoaceae	miadenhair tree	4	X				X	50-80 ft	40-50 ft	Full sun	No	Moderately tolerant	No serious problems	Only male trees should be planted. Females produce messy and stinky fruit.
<i>Gleditsia triacanthos</i>	Honeylocust	Fabaceae		3	X				X	30-70 ft	30-70 ft	Full sun	Yes	Tolerant	Honeylocust plant bug, spider mites, leaf spots, canker	request thornless variety
<i>Gymnocladus dioicus</i>	Kentucky Coffeetree	Fabaceae		3	X				X	60-75 ft	40-50 ft	Full sun	Yes	Tolerant	No serious problems	well suited for the urban environment
<i>Halesia carolina</i>	Carolina silverbell	Styracaceae	silverbell	4						30-40 ft	20-35 ft	Full sun to full shade	No	Intolerant	No serious problems	Not tolerant of compacted soils
<i>Halesia tetraptera</i>	Mountain silverbell	Styracaceae		5a					x	40-60 ft	20-30 ft	Full sun to partial shade	No	Intolerant		Attractive flowers and yellow fall color.
<i>Juglans nigra</i>	Black Walnut	Juglandaceae	eastern black walnut	4						50-75 ft	30-50 ft	Full sun	Yes	Tolerant	Anthracoze, thousand canker disease	Messy fruit
<i>Juniperus virginiana</i>	Eastern Red Cedar	Cupressaceae	red cedar, upright juniper	3			X		X	40-50 ft	8-20 ft	Full sun	Yes	Tolerant	Cedar rusts, bagworms	
<i>Larix decidua</i>	European larch	Pinaceae		3	x				x	70-75 ft	25-30 ft	Full sun	No	intolerant	Larch sawfly, Needle blight/needlecast, larch casebearer, European larch canker	Deciduous conifer, attractive yellow fall foliage,
<i>Larix laricina</i>	Tamarack	Pinaceae	Eastern/American Larch, Larch	2					X	40-80 ft	30-50 ft	Full sun	Yes	Tolerant	Larch case-bearer, larch sawfly	Deciduous conifer often found in wet locations
<i>Liriodendron tulipifera</i>	Tuliptree	Magnoliaceae	tulip poplar	5	X				X	70-90 ft	35-50 ft	Full sun to partial shade	No	Intolerant	Aphids, scales, mildew, canker, verticillium wilt	
<i>Maackia amurensis</i>	Amur Maackia	Fabaceae		4	X			X	X	20-30 ft	20-35 ft	Full sun	No	Intolerant	No serious problems	
<i>Maclura pomifera</i>	Osage Orange	Moraceae	hedge apple	4						20-40 ft	20-40 ft	Full sun	No	Tolerant	No serious problems	Stem can be thorny
<i>Magnolia acuminata</i>	Cucumber Magnolia	Magnoliaceae	cucumbertree	3					X	50-80 ft	50-80 ft	Full sun to partial shade	No	Intolerant	Scale insects	Will not do well in windy or polluted sites.
<i>Magnolia stellata</i>	Star magnolia	Magnoliaceae		4	X			X	X	15-20 ft	10-15 ft	Full sun to partial shade	No	Moderately tolerant	Chlorosis, magnolia scale, powdery mildew	Best planted in a sheltered location
<i>Magnolia acuminata x M. denudata</i> 'Butterflies'	Butterflies magnolia	Magnoliaceae	Butterfly magnolia	4					X	15-30 ft	15-30 ft	Full sun to partial shade	No	Tolerant	No serious problems	
<i>Malus spp.</i>	Crabapple spp.	Rosaceae	flowering crabapple	4	X			X	X	15-25 ft	15-20 ft	Full sun	No	Intolerant	Apple scab, cedar apple rust, fireblight, mildew, borer, scale, Japanese beetle	Tree produces excessive suckers
<i>Malus spp.</i>	Apple spp.	Rosaceae	Variety Dependent	3						15-25 ft	15-20 ft	Full sun	No	Intolerant	Apple scab, cedar apple rust, black rot, fireblight, apple maggot, codling moth, plum curcuilo	
<i>Metasequoia glyptostroboides</i>	Dawn Redwood	Cupressaceae	water-fir, water-larch	4					X	70-100 ft	25 ft	Full sun	No	Moderately tolerant	Cankers	Deciduous conifer
<i>Nyssa sylvatica</i>	Blackgum	Nyssaceae	black tupelo, sour gum	4	X	X			X	30-50 ft	20-30 ft	Full sun to partial shade	No	Moderately tolerant	Cankers, leaf spots	

<i>Ostrya virginiana</i>	Ironwood	Betulaceae	Eastern Hop Hornbeam	3					X	25-40 ft	15-40 ft	Full sun to partial shade	Yes	Intolerant	No serious problems	
<i>Picea abies</i>	Norway Spruce	Pinaceae		3				X	X	40-60 ft	25-30 ft	Full sun to partial shade	No	Moderately tolerant	Cytospora canker, Rhizosphaera needlecast, spider mites, bagworm	
<i>Picea glauca</i>	White Spruce	Pinaceae	Canadian spruce	2				X	X	40-60 ft	10-20 ft	Full sun to partial shade	Yes	Intolerant	Cankers, root rots, needlecast diseases, bagworm, sawfly miners, needle miners, eastern spruce gall, adelgids	
<i>Picea mariana</i>	Black Spruce	Pinaceae	bog spruce, swamp spruce	2				X	X	30-50 ft	20-30 ft	Full sun	Yes	Intolerant	Needle rusts, cankers	
<i>Picea omorika</i>	Serbian Spruce	Pinaceae		4				X	X	50-60 ft	20-25 ft	Full sun to partial shade	No	Moderately tolerant	Aphids, borers	Intolerant of pollution
<i>Pinus banksiana</i>	Jack Pine	Pinaceae		2				X		35-50 ft	10-20 ft	Full sun	Yes	Tolerant	Sawflies, tussock moth, needlecasts	
<i>Pinus nigra</i>	Austrian Pine	Pinaceae		3		X	X		X	50-60 ft	20-40 ft	Full sun	No	Tolerant	Lophodermium needlecast, diplodia tip blight, European pine sawfly, various weevils, Zimmerman pine moth, yellow-bellied sapsucker	
<i>Pinus ponderosa</i>	Ponderosa Pine	Pinaceae	Western yellow pine	3				X	X	50-70 ft	25-30 ft	Full sun	No	Tolerant	Mountain pine beetle, Dothistroma needlecast, Lophodermium needlecast	
<i>Pinus resinosa</i>	Red Pine	Pinaceae	Norway pine	2				X	X	50-80 ft	15-30 ft	Full sun to partial shade	Yes	Intolerant	Armillaria root rot, Diplodia tip blight, Sirococcus shoot blight	
<i>Pinus strobus</i>	Eastern White Pine	Pinaceae		3				X	X	50-80 ft	20-40 ft	Full sun to partial shade	Yes	Intolerant	White pine blister rust, white pine weevil	Sensitive to salt and air pollution
<i>Pinus sylvestris</i>	Scots Pine	Pinaceae	Scotch Pine	3				X	X	30-60 ft	30-40 ft	Full sun	No	Intolerant	Zimmerman pine moth, pine spittlebug, Lophodermium needlecast, scleroderris canker	
<i>Platanus occidentalis</i>	American Sycamore	Platanaceae	buttonwood, buttonball tree	4	X				X	75-100 ft	50-70 ft	Full sun to partial shade	No	Moderately tolerant	Anthracnose, leafspots, aphids, plant bug, scales, bagworm, borers	Also susceptible to frost cracks.
<i>Platanus x acerifolia</i>	London Planetree	Platanaceae		5	X				X	70-100 ft	65-80 ft	Full sun to partial shade	No	Moderately tolerant	Canker stain, anthracnose, leafspots, aphids, plant bug, scales, borers	Young plants can be susceptible to frost cracks
<i>Populus balsamifera</i>	Balsam Poplar	Salicaceae		2						40-80 ft	20-30 ft	Full sun	Yes	Tolerant	Septoria leaf spot, Linospora leaf blight	
<i>Populus deltoides</i>	Eastern Cottonwood	Salicaceae	Eastern Poplar	3						75-100 ft	50-75 ft	Full sun	Yes	Tolerant	Cankers, leaf spots, rusts, powdery mildew, borers, aphids, caterpillars, scale	Weak wood, prefers wet soils
<i>Populus grandidentata</i>	Bigtooth Aspen	Salicaceae	American aspen, white poplar	2						60-80 ft	20-40 ft	Full sun to full shade	Yes	Tolerant	Hypoxylon canker, leaf spots, nectria canker	
<i>Populus tremuloides</i>	Quaking Aspen	Salicaceae	Trembling Aspen	2						40-50 ft	20-30 ft	Full sun to partial shade	Yes	Tolerant	Hypoxylon canker, leaf spots, nectria canker	Roots tend to sucker freely. Does not tolerate summer heat or pollution.
<i>Prunus americana</i>	America Plum	Rosaceae	wild plum	3						15-25 ft	15-25 ft	Full sun to partial shade	No	Intolerant	Black knot, mildew, rust, root rots, fireblight, borers, mites, tent caterpillars	Fast-growing, short-lived, colony-forming tree
<i>Prunus nigra</i>	Canada Plum	Rosaceae	Black plum	2						20-30 ft	10-15 ft	Partial shade to full shade	No	Intolerant	Plum pocket, branch cankers, powdery mildew, plum curculio	Fruit is edible
<i>Prunus pennsylvanica</i>	Pin Cherry	Rosaceae	Wild red cherry, Fire cherry	2					X	20-35 ft	20-35 ft	Full sun	Yes	Moderately tolerant	Fireblight, canker, borer	
<i>Prunus sargentii</i>	Sargent's Cherry	Rosaceae		4					X	40-50 ft	40-50 ft	Full sun to partial shade	No	Moderately tolerant	Black knot, Eastern tent caterpillar, cankers, leaf spots, borers, aphids and scale	Beautiful pink flowers in early spring and shiny green foliage turns bronze to red in fall.
<i>Prunus serotina</i>	Black cherry	Rosaceae	wild black cherry	3	x				x	50-60 ft	20-35 ft	Full sun to partial shade	yes	Tolerant	Eastern tent caterpillar, cherry scallop shell moth. Black knot fungus. Animal browse as seedlings.	Excellent pollinator, good for songbirds, attractive flowers. Yellow to red fall color. Valuable lumber.
<i>Prunus virginiana</i>	Chokecherry	Rosaceae	Virginia bird cherry, Bitter cherry	2						15-25 ft	10-15 ft	Full sun to partial shade	No	Tolerant	Black knot, mildew, rust, root rots, fireblight, borers, mites and tent caterpillars.	
<i>Pseudotsuga menziesii</i>	Douglas Fir	Pinaceae		4				X	X	40-80 ft	12-20 ft	Full sun to partial shade	No	Intolerant	Armillaria root rot, dwarf mistletoe	
<i>Ptelea trifoliata</i>	Hop Tree	Rutaceae	wafer-ash, stinking ash	4						15-20 ft	15-20 ft	Full sun to full shade	No	Intolerant	Leaf spots, rust	Small tree or large shrub that produces small fragrant flowers and wafer-like winged seeds
<i>Pyrus spp.</i>	pear tree	Rosaceae		3						15-20 ft	10-15 ft	Full sun	No	Intolerant	Japanese beetles, fireblight	Edible fruit, fruit tree maintenance needed to produce viable fruit
<i>Quercus alba</i>	White Oak	Fagaceae		3					X	50-80 ft	100 ft	Full sun	Yes	Intolerant	Oak wilt, anthracnose, two-lined chestnut borer, galls, scale	Does not tolerate wet conditions, best planted in well-drained sites. Roots are sensitive to soil disturbances, such as compaction and construction.
<i>Quercus bicolor</i>	Swamp White Oak	Fagaceae	Bicolor Oak	4	X				X	50-60 ft	50-60 ft	Full sun	Yes	Tolerant	Anthracnose, powdery mildew, chlorois, insect galls	One of the easiest oaks to transplant and more tolerant of poor drainage than other oaks.
<i>Quercus ellipsoidalis</i>	Northern Pin Oak	Fagaceae	Hill's oak, Jack oak	4						40-75 ft	40-75 ft	Full sun	Yes	Intolerant	Oak wilt, scale, two-lined chestnut borer	Has the advantage of tolerating a higher soil pH than pin oak
<i>Quercus imbricaria</i>	Shingle Oak	Fagaceae	laurel oak, small-leaved oak	5					X	50-60 ft	50-60 ft	Full sun to partial shade	No	Intolerant	Oak wilt, scale, two-lined chestnut borer	

<i>Quercus macrocarpa</i>	Bur Oak	Fagaceae		3	X				X	70-80 ft	70-80 ft	Full sun	Yes	Intolerant	Leaf galls, kermes scale, anthracnose, bacterial leaf scorch, powdery mildew, oak wilt, bur oak blight	
<i>Quercus muhlenbergii</i>	Chinkapin Oak	Fagaceae	yellow oak, rock oak	5					X	50-80 ft	50-70 ft	Full sun	Yes	Intolerant	Anthracnose, oak wilt, two-lined chestnut borer.	Performs well in alkaline soils
<i>Quercus palustris</i>	Pin Oak	Fagaceae		4						60-70 ft	40-50 ft	Full sun	No	Moderately tolerant	Oak wilt, oak blister	Tree suffers greatly from chlorosis (yellowing) of the leaves due to high soil pH.
<i>Quercus prinus</i>	Chestnut Oak	Fagaceae		4					X	60-70 ft	60-70 ft	Full sun and partial shade	No	Intolerant	Oak wilt, scale, two-lined chestnut borer	
<i>Quercus rubra</i>	Northern Red Oak	Fagaceae		3		X				60-75 ft	60-75 ft	Full sun to partial shade	Yes	Moderately tolerant	Oak wilt	One of the faster growing oaks. More tolerant of salt and air pollution.
<i>Quercus spp.</i>	Oak Hybrids: Prairie Stature Oak Heritage Oak Regal Prince Oak or as approved	Fagaceae		3	X				X	40-60 ft	10-40 ft	Full sun	No	Moderately tolerant	Oak wilt	
<i>Quercus velutina</i>	Black Oak	Fagaceae		4					X	50-60 ft	40-70 ft	Full sun to partial shade	Yes	Tolerant	Oak wilt	This species cannot withstand severe drought
<i>Salix amygdaloides</i>	Peachleaf willow	Salicaceae		2					x	13-65 ft	20-60 ft	Full sun to partial shade	yes	Moderate	Forest Tent caterpillar, spongy moth, cottonwood leaf borer, willow sawfly, Phytophthora and cytospora canker	Native american medicinal use, excellent early season pollinator. Very flood tolerant
<i>Salix amygdaloides</i>	Peachleaf willow	Salicaceae		2					x	13-65 ft	20-60 ft	Full sun to partial shade	yes	Moderate	Forest Tent caterpillar, spongy moth, cottonwood leaf borer, willow sawfly, Phytophthora and cytospora canker	Native american medicinal use, excellent early season pollinator. Very flood tolerant
<i>Salix nigra</i>	Black willow	Salicaceae		4					x	30-60 ft	30-60 ft	Full sun to partial shade	yes	Moderate	Forest Tent caterpillar, spongy moth, cottonwood leaf borer, willow sawfly, Phytophthora and cytospora canker	Native american medicinal use, excellent early season pollinator. Very flood tolerant
<i>Sorbus americana</i>	American Mountain Ash	Rosaceae		2	X			X	X	10-30 ft	10-15 ft	Full sun	Yes	Moderately tolerant	Fireblight, scab, cankers, powdery mildew, rust, borers, aphids, sawfly, scale	
<i>Sorbus aucuparia</i>	European Mountain Ash	Rosaceae	rowan, rowan tree, Common mountain ash	3	X			X	X	20-40 ft	15-25 ft	Full sun	No	Moderately tolerant	Borers, cankers	
<i>Sorbus decora</i>	Showy Mountain Ash	Rosaceae	Northern mountain ash	2	X			X	X	15-30 ft	10-20 ft	Full sun	Yes	Intolerant	fire blight, scab, cankers, borers, crown gall, pear leaf mite, mountain ash sawfly, and scale	Featuring showy clusters of white flowers in spring followed by bright scarlet berries lasting into winter
<i>Sorbus hybrida</i>	Oak Leaved Mountain Ash	Rosaceae		3					X	25-35 ft	20-30 ft	Full sun	No	Moderately tolerant	Cytospora canker, fire blight, leaf spot	Tree will tolerate poor soil and difficult growing conditions. Hybrid derived from European Mountain ash and Swedish Mountain ash
<i>Syringa reticulata</i>	Japanese Tree Lilac	Oleaceae		3	X			X	X	20-30 ft	15-25 ft	Full sun	No	Tolerant	Bacterial blight, leaf spots	produces large clusters of small creamy-white, fragrant flowers
<i>Taxodium distichum</i>	Bald Cypress	Cupressaceae	swamp cypress, red cypress	4					X	50-70 ft	20-30 ft	Full sun to partial shade	No	Tolerant	Twig blight, spider mite, gall forming mite, cypress moths	Deciduous conifer. Tree will adapt to a wide range of soil types
<i>Thuja occidentalis</i>	Northern White Cedar	Cupressaceae	Arborvitae (American or Eastern)	3			X		X	40-60 ft	10-15 ft	Full sun to partial shade	Yes	Moderately tolerant	Bagworm, leaf miner, spider mites	Foliage tends to discolor in winter. Deer browsing can be a problem.
<i>Tilia americana</i>	Basswood	Tiliaceae	American Linden	3	X				X	60-80 ft	30-60 ft	Full sun to partial shade	Yes	Intolerant	Aphids, Japanese beetles, linden borer, anthracnose, verticillium wilt	
<i>Tilia cordata</i>	Littleleaf Linden	Tiliaceae		3						60-70 ft	30-40 ft	Full sun	No	Intolerant	Aphids, Japanese beetles	Aphids can secrete sap which can lead to sooty mold issues
<i>Tilia tomentosa</i>	Silver linden	Tiliaceae		4	x				x	50-70 ft	25-40 ft	Full sun to partial shade	no	Tolerant	Aphids, Japanese beetle, powdery mildew, verticillium wilt	Excellent pollinator
<i>Tsuga occidentalis</i>	Eastern Hemlock	Pinaceae	Canada hemlock	3			X		X	40-70 ft	25-35 ft	Full sun to full shade	Yes	Intolerant	Hemlock scale, bagworm, needle rust mite, woolly adelgid, needle blight	Susceptible to winter burn if not sheltered from strong winds.
<i>Ulmus spp.</i>	Elm hybrids: Accolade Frontier New horizon Triumph St. Croix Valley Forge Jefferson Prarie Expedition	Ulmaceae		4	X				X	50-70 ft	30-60 ft	Full sun	Yes (straight species)	Moderately tolerant	Older hybrids may be more susceptible to Dutch elm disease. Some may be susceptible to elm bark beetle, elm leaf beetles, elm yellows, elm leaf miner and verticillium wilt.	Most of these trees are hybrids that cross various species of American, Asian and European elms.
<i>Zelkova serrata</i>	Zelkova	Ulmaceae		5	x				x	50-80 ft	50-75 ft	Full sun to partial shade	no	Tolerant	Pholem necrosis, Canker	Elm-like form

* At a minimum, Hennepin County will follow the "20-10-5 rule" to ensure diversification of the county tree canopy. The "20-10-5 rule" incorporates canopy diversity goals into planning as it requires that no more than 20 percent of one family, 10 percent of one genera, or 5 percent of one species be planted in a given geographic area.

Scientific Name	Common Name
<i>Acer ginnala</i>	Amur Maple
<i>Acer platanoides</i>	Norway Maple
<i>Ailanthus altissima</i>	Tree of heaven
<i>Alnus glutinosa</i>	Black alder
<i>Elaeagnus angustifolia</i>	Russian olive
<i>Elaeagnus umbellata</i>	Autumn olive
<i>Fraxinus americana</i>	White ash
<i>Fraxinus pennsylvanica</i>	Green Ash
<i>Morus alba</i>	White mulberry
<i>Phellodendron amurense</i>	Amur Corktree
<i>Pyrus calleryana</i>	Callery Pear
<i>Rhamnus cathartica</i>	Common buckthorn
<i>Rhamnus frangula</i>	Glossy buckthorn
<i>Ulmus pumila</i>	Siberian elm