

Davidson Tree List

<i>Common Name</i>	<i>Latin Name</i>	<i>Growth Rate</i>	<i>Height at Maturity</i>	<i>Spread at Maturity</i>	<i>X= Recommended to Use Sparingly</i>	<i>X= Permitted in Electric Transmission ROW*</i>	<i>X= Permitted as a Street Tree</i>	<i>X= Blooming</i>	<i>X= Native</i>	<i>Comments</i>
LARGE MATURING										
DECIDUOUS										
Beech	Fagus grandifolia	S	60'-80'	40'-60'					X	Dense shade which does not produce undergrowth. Strong, long lived.
Birch, River	Betula nigra	F	40'-70'	40'-60'					X	Subject to drought problems. Grows well on high or low ground. Multi trunk.
Black Gum	Nyssa sylvatica	M	40'-60'	20'-30'					X	Gorgeous fall color, long lived, difficult to transplant.
Chestnut, Chinese	Castanea mollissima	S	40'-60'	60'						Shade tree with edible fruit.
Chestnut, Ruby Red Horse	Aesculus X carnea "Briotii"	S	35'-50'	35'-50'				X		Specimen tree. Deep scarlet flowers in spring attract bees and hummingbirds.
Chinese Flame Tree	Koelreuteria bipinnata	F	20'-35'	25'-35'						Tolerant tree that is quick spreading, and may be invasive.
Ginkgo	Ginkgo biloba	S	40'-70'	20'-40'			X			Plant grafted male only, pest free, tolerates pollution.
Hackberry, Common	Celtis occidentalis	M-F	40'-55'	35'-50'			X		X	Grows well in adverse conditions. Can develop witch's broom.
Hackberry, Sugar	Celtis laevigata	M-F	60'-80'	60'-80'					X	Sun, does well in a range of soil types.
Hickory, Bitternut	Carya cordiformis	F	50'-100'	30'-40'					X	Sun to partial shade. Range of soil types.
Hickory, Pignut	Carya glabra	M	80'-135'	30'-40'					X	Shade tree. Fruit and foliage cause significant litter.
Hickory, Shagbark	Carya ovata	S	60'-80'	25'-35'					X	One of the heartiest of the hickory species. Adaptable in many soils.
Honeylocust, Shademaster	Gleditsia tricanthos inermis "Shademaster"	F	60'	40'					X	Full to partial sun. Adaptable to harsh conditions. Shade tree.
Hop-hornbeam	Ostrya virginiana	S	30'-50'	25'-30'						Drought and pest resistant. Tolerant of poor soil conditions.

S-Slow M-Medium F-Fast

Resources: City of Charlotte and Town of Huntersville Approved Species list for Tree Ordinance. *No trees over 15' within Electric Transmission ROW. No large maturing trees permitted within 25' of power line. All trees must be at least 15' from pole.

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LARGE MATURING continued...										
DECIDUOUS										
Hornbeam, European	Carpinus betulus	S	40'-60'	35'-40'			X			Pest free; tolerates city conditions.
Kentucky Coffeetree	Gymnocladus dioicus	S-M	75'	40'-50'					X	Dark green or blue-green leaves. Develops large pods that cause litter.
Little Leaf Linden	Tilia cordata	M	50'-90'	40'				X		Light yellow or off-white flowers. Full sun to light shade. Tolerates urban environments.
London Plane-Tree	Platanus x acerifolia	F	70'-100'	50'-70'			X			Withstands harsh city conditions. Very long lived, valuable for streets. Some litter.
Magnolia, Cucumber	Magnolia acuminata	F	50'-80'	50'-80'				X	X	Greenish white flowers. Good shade tree. Full sun to partial shade.
Maple, Freeman	Acer X freemanii	F	40'-60'	20'-40'					X	Shade tree tolerant to adverse climatic and soil conditions.
Maple, Red	Acer rubrum	F	40'-60'	25'-35'	X			X	X	Valuable shade tree with beautiful color. Easily transplanted. Long lived. Overplanted.
Maple, Sugar	Acer succharinum	S	50'-75'	30'-40'			X		X	Excellent fall color. Young trees susceptible to sun scaled if not protected. Tolerates shade.
Oak, Sawtooth	Quercus acutissima	M-F	35'-45'	35'-50'	X				X	Holds leaves in winter, drops lots of nuts, toughest of the oaks. High litter production.
Oak, Scarlet	Quercus coccinea	F	60'-80'	40'-50'			X		X	Excellent for shade and street tree, pleasing fall color, hard to transplant.
Oak, Southern Red	Quercus Falcata	M-F	70'-80'	60'-70'			X		X	Large, fast growing, valuable shade tree.
Oak, White	Quercus alba	S	60'-100'	50'-90'			X		X	May hold leaves, very long lived, very difficult to transplant.

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LARGE MATURING continued...										
DECIDUOUS										
Oak, Black	Quercus velutina	S-M	60'-80'	30'-60'					X	One of the largest growing oaks, excellent shade tree, difficult to transplant.
Oak, Eastern Red	Quercus rubra maxima	F	50'-70'	40'-60'			X		X	Withstands most city conditions, valued for rapid growth, transplants easily.
Oak, Fastigiante English	Quercus robur "Fastigiata"	M-F	50'-60'	10'-18'						Dense, columnar tree that needs little pruning.
Oak, Laurel	Quercus laurifolia	M-F	60'-80'	80'					X	Semi-evergreen leaves, use variety-Darlington.
Oak, Northern Red	Quercus rubra	F	60'-75'	45'					X	Shade tree with a rounded shape, full sun.
Oak, Nuttall	Quercus nuttalli	M	40'-60'	30'-40'					X	Low maintenance, able to withstand heat and poor drainage.
Oak, Overcup	Quercus lyrata	M	45'-75'	35'-50'			X		X	Long lived, very sturdy shade tree.
Oak, Pin	Quercus palustris	F	60'-80'	40'-50'					X	Lower branches block visibility, holds leaves in winter, easily transplanted.
Oak, Post	Quercus stellate	M	40'-50'	35'-50'					X	Shade tree, dense rounded canopy of twisted branches.
Oak, Shumard	Quercus shumardii	M-F	40'-80'	50'-60'			X		X	Dark red fall color. Thrives in full sun.
Oak, Swamp White	Quercus bicolor	F	50'-70'	50'-60'					X	Prefers moist acidic soils, but tolerates drought conditions.
Oak, Willow	Quercus phellos	M-F	60'-80'	30'-40'			X		X	Majestic tree, excellent shade, easily transplanted.
Pecan	Carya illinoensis	M	60'-100'	30'-40'	X				X	Used as shade tree in parks. Young trees very susceptible to sun scales. Litters.
Persimmon	Diospyros virginiana	M	40'-60'	20'-35'					X	Recommended for buffer strips, has been successful in poor drainage and soil.

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LARGE MATURING continued...										
DECIDUOUS										
Redwood, Dawn	Metasequoia glyptostroboides	F	75'-100	15'-25'				X		Flowering with small round cones. Good for shade tree.
Sweetgum	Liquidambar styraciflua	S-M	60'-100	50'-75'			X		X	Fruit is not a problem with species-Rotundiloba. Good for shade, symmetrical. Some large limb failure in maturity.
Tulip-Poplar	Liriodendron tulipifera	M-F	60'-150	30'-40'			X	X	X	Stately tree valued for flowers and foliage. Needs a lot of space, good soil.
LARGE MATURING										
EVERGREEN										
Aborvitae, Green Giant	Thuja "Green Giant"	F	60'	20'					X	Easy to grow and adaptable. Good for a privacy screen or hedge.
Arborvitae, American	Thuja occidentalis	S	30'-50'	10'-15'					X	Prefers moist soil. Tolerant once established.
Cedar, Deodar	Cedrus deodora	F	40'-50'	30'-40'						Subject to winter injury up to age 15 yrs. Lower limbs should touch ground.
Cedar, Eastern Red	Juniperus virginiana	S	40'-50'	8'-20'					X	Widely used for screening, windbreaks, and hedges.
Cedar, Japanese	Cryptomeria japonica	M	50'-60'	25'-30'						Easy to grow, good screening, small cones.
Cypress, Leyland	Cupressocypariss leylandii	F	60'-70'	12'-17'						Maintains good shape, excellent screening.
Hemlock, Canadian	Tsuga Canadensis	F	30'-80'	15'-30'					X	Useful in cool shade and on north slopes in moist soil.
Hemlock, Carolina	Tsuga caroliniana	S	40'-60'	20'-25'					X	Full sun to partial shade. Do not tolerate heat or dry sites.
Holly, Hume	Ilex opaca "Hume #2"	F	30'-50'	15'-20'						Low maintenance. Produces heavy fruit.

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LARGE MATURING continued...										
EVERGREEN										
Holly, Savannah	Ilex X attenuata "Savannah"	M	30'-45'	6'-10'					X	Sun or partial shade, high drought tolerance. Usually pest free.
Magnolia, Southern	Magnolia grandiflora	M-F	40'-60'	25'-30'				X	X	Allow branches to touch ground to hide litter of leaves, flowers, and fruit.
Oak, Laurel	Quercus laurifolia	S	40'-60'	30'-40'			X		X	Frequently used as street tree; excellent specimen.
Oak, Live	Quercus virginiana	F	30'-50'	30'-50'					X	Fast growing, wide spreading tree.
Pine, Japanese Black	Pinus thunbergiana	S-M	50'-70'	25'						Excellent screen spaced 4 to 6 feet apart.
Pine, Loblolly	Pinus taeda	F	70'-90'	30'-40'					X	Tolerates poor soil and severe exposures. Difficult to transplant when taller than 4ft.
Pine, Shortleaf	Pinus echinata	F	100'	25'-35'					X	A perennial tree with a rapid growth rate and moderate lifespan, intolerant to shade.
SMALL MATURING										
DECIDUOUS										
Buckeye, Bottlebrush	Aesculus parviflora	S	6'-12'	8'-15'		X		X	X	Large shrub. Attracts insects and hummingbirds. Partial sun or full shade.
Cherry, Kwanzan	Prunus serrulata kwanzan	S	20'-25'	15'-25'			X	X		Good soils preferred.
Cherry, Yoshino	Prunus yedoensis	F	20'-40'	20'-30'			X	X		Excellent floral display; 15-20 year life span.
Cherry, Okame	Prunus X "Okame"	M	15'-25'	20'				X		Full sun to partial shade; moderately drought tolerant. Pink flowers in spring.

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DECIDUOUS										
Cherry, Weeping	Prunus subhirtella pendula	F	20'-30'	15'-25'				X		Full sun, prune in spring after flowering, short lived.
Chinese Pistache	Pistacia chinensis	M-F	25'-40'	25'-35'				X		Drought tolerant, easy to transplant. Female trees produce blue/red fruit.
Crab Apple, Flowering	Malus hybrida	M	15'-25'	10'-20'				X	X	Best varieties: Centurion, Snowdrift, Zumi.
Crape Myrtle	Lagerstroemia indica	M	15'-25'	5'-15'		X	X	X		Decorative and effective throughout the year. Best variety: Natchez. Crape Myrtle Bark Scale pest.
Dogwood, Flowering	Cornus florida	M	15'-30'	15'-20'				X	X	Needs partial shade; good soils preferred.
Dogwood, Kousa	Cornus kousa	M	10'-15'	10'				X	X	Blooms after leaves appear. More hardy than Flowering Dogwood.
Dogwood, Redtwig	Cornus sericea f. baileyi	F	6'-10'	6'-10'				X	X	Tolerant of a range of soils, attracts birds and butterflies. Multi-stemmed with fruit and flowers.
Dogwood, Rutger's Hybrid	Cornus kousa X florida	M	20'-30'	15'-20'				X	X	Pink blooms in spring. Moist well drained soil. Low and spreading.
Fringetree	Chionanthus virginicus	S-M	12'-20'	12'-20'				X	X	Creamy white flowers, sun to partial shade.
Fringetree, Chinese	Chionanthus retusus	S	15'-20'	20'-25'				X		Needs regular watering. Partial to full sun. White flowers.
Hawthorne, Washington	Crataegus phaenopyrum	S-M	25'-30'					X	X	Fruit attracts songbirds, prefers full sun.
Hawthorne, Green	Crataegus viridis 'Winter King'	M	25'-35'	25'-35'				X	X	Low maintenance, white flowers. Drought resistant.
Hazelnut, American	Corylus Americana	F	8'-15'	8'-13'		X		X	X	Low maintenance, edible fruit. Hedge tree.

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SMALL MATURING continued...										
DECIDUOUS										
Hornbeam, American	Carpinus caroliniana	S	20'-30'	15'-20'			X		X	Very slow growth; excellent under power lines; tolerates city conditions.
Magnolia, Saucer	Magnolia soulangiana	M	15'-25'	15'-25'				X	X	Select late blooming to avoid freeze damage.
Magnolia, Lily	Magnolia liliflora	M	12'-15'	8'-10'				X	X	Full to partial sun. Require pruning. Dark green foliage and dark purple-red flowers.
Magnolia, Merrill	Magnolia X loebneri "Merrill"	M-F	20'-30'	20'-30'				X	X	Full sun to partial shade. Tolerant of soil extremes, intolerant of urban pollutants. Flowers appear after 3 to 4 years.
Magnolia, Star	Magnolia stellate	S	15'-20'	10'-15'				X	X	Small magnolia with smaller leaves, pink to white flowers.
Maple, Hedge	Acer campestre	S	15'-35'	25'-35'			X		X	Slow growth rate, easy to transplant.
Maple, Trident	Acer buergeranum	M	25'-30'	20'-30'			X		X	Attractive urban tree with good foliage, form and fall color, good structural strength.
Maple, Paperbark	Acer griseum	S	20'-30'	15'-25'					X	Full sun or partial shade, relatively pest free.
Maple, Purplebow	Acer truncatum	S	20'	15'						Low canopy tree, suitable for planting under power lines.
Paw Paw	Asimina triloba	S-M	20'-30'	15'-20'				X	X	Spreading, drooping, producing fruit 3" to 6" in length. Sole source of food for Zebra Swallowtail caterpillars.
Purpleleaf Plum	Prunus cerasifera "Pissardii"	M-F	30'-40'	25'-35'				X		Remains purple; produces fruit.
Pussy Willow	Salix discolor	F	6'-15'	4'-12'				X	X	Low maintenance prefers full sun. Tolerates different soil types.
Redbud, Eastern	Cercis Canadensis	S-M	20'-30'	12'-25'			X	X	X	Does well in full sun. Very drought resistant.

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DECIDUOUS										
Redbud, Chinese	Cercis chinensis	M	30'	15'				X	X	Do not transplant well, do not need artificial fertilizers.
Serviceberry	Amelanchier arborea	M	10'-20'	8'-15'		X		X	X	Blooms just before Dogwood. Native to mountains of the Southeast.
Serviceberry, Shadblow	Amelanchier canadensis	M	20'-25'	15'-20'				X	X	Should be grown in full sun in moist, well-drained, acidic soil.
Silverbell, Carolina	Halesia carolina	S-M	20'-40'	20'				X	X	Good drainage; no pruning; no pest problems.
Smoketree	Cotinus coggyria	M	10'-15'	12'		X		X	X	Shrub or border plant adaptable to many soils.
Sourwood	Oxydendrum arboreum	S	25'-35'	25'-30'				X	X	Shade or specimen tree with dense, drooping crown.
Umbrella Tree	Magnolia tripetala	S-M	20'-30'	20'-30'				X	X	Shade tolerant, sensitive to drought or adverse conditions.
Wax Myrtle	Myrica cerifera	F	10'-15'	8'-10'				X	X	Sun to partial shade, tolerates different soil types.
SMALL MATURING										
EVERGREEN										
Aborvitae, Emerald Green	Thuja occidentalis "Emerald Green"	S-M	10'-15'	3'-4'						Creates natural privacy screen; no pruning is required; easy to grow. Hedge tree. Needs regular watering.
Camellia, Sasanqua	Camellia sasanqua	F	6'-10'	6'-10'		X		X		Dark green glossy leaves, dense branching and pink blooms.
Hinoki Flasecypress	Chanaecyparis obtusa "Filicoides"	S-M	10'-20'	8'-16'					X	Needled evergreen with cones. Low maintenance.
Holly, "Emily Brunner"	Ilex X "Emily Brunner"	M	20'	8'					X	Full sun. Large red fruit. Leaves have course spines.

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SMALL MATURING continued...										
EVERGREEN										
Holly, American	Ilex opaca	S	15'-30'	10'-20'					X	Foliage sometimes disfigured by winter sun. Fruit production best in full sun.
Holly, Foster	Ilex attenuata "Foster"	M-F	20'-30'	7'-10'					X	Tolerates city conditions. Heavy fruit production.
Holly, Greenleaf	Ilex opaca "Greenleaf"	M	25'-35'	15'-20'					X	Low maintenance, poisonous. Tolerates drought.
Holly, Nellie Stevens	Ilex X "Nellie R. Stevens"	F	15'-25'	10'-15'					X	Vigorous and drought resistant. Glossy dark green with bright red fruit.
Holly, Savannah	Ilex attenuata "Savannah"	F	20'-30'	8'-15'					X	Requires heavy fertilization for good leaf color.
Holly, Yaupon	Ilex vomitoria	M-F	15'-20'	15'-20'					X	Full sun to partial shade, high drought tolerance.
Laurel, Carolina Cherry	Prunus caroliniana	F	20'-30'	15'-20'					X	Grown primarily for excellent foliage; forms good windbreak.
Magnolia, Little Gem	Magnolia grandiflora "little gem"	S	20'-40'	8'-12'					X	Dark green oval shape suited for screen or hedge. Flowers at 2 to 3 years.
Pine, Austrian	Pinus nigra	M	50'-60'	25'-35'					X	Tolerates city conditions. Provides screening when placed 12' - 15' apart.
Pine, Virginia	Pinus virginiana	S	20'-40'	10'-30'					X	Will grow on windswept, dry, open sites. Good cover for difficult areas.
Spruce, Bakeri	Picea pungens "Bakeri"	S	10'-12'	12'-15'					X	Compact growing, prefers moist rich soil.
Spruce, Black Hills	Picea glauca densata	S	20'-40'	10'-15'					X	Low maintenance, best grown in moist, well-drained soil with full sun.

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