TREE SELECTION GUIDE

P=Piedmont and C=Coastal plain
U=upland and L=lowland
W=wet and D=dry
S=salt tolerant
N=no and Y=yes
X=flowering
C=good fall color
T=tolerant

		Height (ft)	Width (ft)	Native	Riparian	Soil Moisture	Salt tolerant	Use under power lines	Flowering tree	Fall color	Urban conditions	USDA hardiness zones	Notes	Botanical name
LG. DECIDUOUS TREE	Red Maple	60	40-60	PC	L	WD		N		C	T	3 to 9	dense, rounded	*Acer rubrum*
	Sugar Maple	60-75	40-50	P		W		N		C		3 to 7	upright-oval to rounded	*Acer saccharum*
	River Birch	70	40-60	PC	L	WD		N		C	T	4 to 9	pyramidal	*Betula nigra*
	European Hornbeam	40-60	30-40			WD		Y		C	T	4 to 8	pyramidal to oval-rounded	*Carpinus betulus 'Fastigiata'*
	Hackberry	75-100	75-100	PC	UL	W	S	N		C	T	3 to 7	globular	*Celtis occidentalis*
	Katsura	40-60	20-30			W		N		C		4 to 8	pyramidal	*Cercidiphyllum japonicum*
	Yellowwood	30-50	40-55		L	W		Y	X	C		4 to 8	globular	*Cladrastis kentukea*
	Turkish Filbert	40-50	20-25			D		N		C	T	4 to 7	broad pyrmidal	*Corylus columa*
	American Beech	50-70	50-70	PC				N	X	C		4 to 9	wide-spreading crown	*Fagus grandifolia*
	White Ash	50-80	50-80	PC	UL	W	S	N		C		4 to 9	irregular ovoid	*Fraxinus americana*
	Green Ash	60	40-50	PC	UL	WD	S	N		C	T	2 to 9	pyramidal	*Fraxinus pennsylvanica*
	Maidenhair Tree	50-80	30-40			WD	S	N		C	T	4 to9	pyramidal (use male only)	*Ginkgo biloba*
	Honey Locust	30-70	30-70			WD	S	N		C	T	4 to 9	open crown	*Gleditsia tricanthos inermis*
	Kentucky Coffeetree	60-76	40-50			D	S	N		C	T	3 to 9	narrow obovate crown (males only)	*Gymnocladus dioicus*
	Black Walnut	50-75	50-60	PC	L	WD		N		C	T	4 to 9	irregular	*Juglans nigra*
	American Sweetgum	60	40	PC	UL			N		C	T	5 to 9	pyramidal	*Liquidambar styraciflua*
	Tulip Tree	80	30-50	P	U			N	X	C		4 to 9	upright-oval	*Liriodendron tulipifera*
	Dawn Redwood	70-100	25			W		N		C	T	5 to 8	pyrimidal, conical	*Metasequoia glyptostroboides*
	Black Tupelo	30-50	25-35	PC	L	WD	S	N		C	T	4 to 9	irregular (difficult to transplant)	*Nyssa sylvatica*
	American Sycamore	75-100	60-80	PC	L	WD		N			T	4 to 9	globular (susceptible to anthracnose)	*Platanus occidentalis*
	London Plane	70-100		PC	L		S	N		C	T	4 to 9	(not susceptible to anthracnose)	*Platanus x acerifolia*
	Sargent Cherry	40-50	40-50		UL	WD	S	Y	X	C	T	4 to 8		*Prunus sargentii*
	Sawtooth Oak	35-45	35-45		UL	WD	S	N		C	T	5 to 9	oval rounded	*Quercus acutissima*
	White Oak	75-100	75-100	PC	U	D	S	N		C		4 to 8	wide globular	*Quercus alba*
	Swamp White Oak	50-60		P	UL	WD	S	N		C	T	4 to 7	rounded	*Quercus bicolor*
	Scarlet Oak	50-75	50-75	PC	U	D	S	N		C	T	5 to 7	globular	*Quercus coccinea*
	Shingle Oak	30-45	30-45	P	UL	WD	S	N		C	T	5 to 8	conical	*Quercus imbricaria*
	Bur Oak	70-80	70-80	PC	UL	WD		N			T	3 to 8	broad crown (difficult to transplant)	*Quercus macrocarpa*
	Swamp Chestnut Oak	80-100	80-100		L	W		N		C		5 to 8	pyramidal	*Quercus michauxii*
	Pin Oak	60-70	25-40	PC	UL	WD	S	N			T	4 to 8	pyramidal	*Quercus palustris*
	Willow Oak	50	40	PC	UL	WD	S	N		C	T	5 to 9	oblong (transplant only in spring)	*Quercus phellos*
	Chesnut Oak	60-70	60-70	P		WD		N		C	T	4 to 8	pyramidal	*Quercus prinus*
	Red Oak	60-75	40-50	PC	UL	WD	S	N		C	T	4 to 8		*Quercus rubra*
	Shumard Oak	40-60	40-60	PC	U	D		N		C	T	5 to 9	pyramidal to spreading	*Quercus shumardii*
	Japanese Pagodatree	45-70	50		UL	WD	S	N	X		T	4 to 7	broad-rounded	*Sophora japonica*
	Bald Cypress	75-100	20-30	PC	L	WD	S	N			T	4 to 11		*Taxodium distichum*
	American Linden	60-80	40-60	P	UL			N		C		3 to 8	ovoid	*Tilia americana*
	Littleleaf Linden	60-70	40					N	X	C	T	3 to 7	dense-pyramidal (pollution tolerant)	*Tilia cordata*
	Silver Linden	50-70	30-40					N	X	C	T	4 to 7	upright-oval	*Tilia tomentosa*
	Chinese (Lace-bark) Elm	40-50	35-45					N		C	T	4 to 9	rounded	*Ulmus parvifolia*
	Japanese Zelkova	50-80	50-80			WD		N		C	T	4 to 8	vase-shaped	*Zelkova serrata*

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SM/MD, DECIDUOUS	Trident Maple	20-30	30-35			D		Y		C	T	5 to 8	oval-rounded	*Acer buergerianum*
	Hedge Maple	25-35	25-35			D	S	Y		C	T	4 to 8	rounded and dense	*Acer campestre*
	Amur Maple	15-25	15-25					Y	X	C	T	3 to 8	rounded	*Acer ginnala*
	Japanese Maple	15-25	15-25					Y		C	T	5 to 8	broad	*Acer palmatum*
	Shadblow	6-20		C	L	W		Y	X	C		3 to 8	shrubs w/ erect stems spreading by suckers	*Amelanchier canadensis*
	Downy Serviceberry	15-25	10-20	PC	U			Y	X	C		4 to 9	upright-narrow	*Amelanchier arborea*
	Ironwood	20-30	20-30	PC	L	W		Y		C		3 to 9	flat or round-topped irreg.crown	*Carpinus caroliniana*
	Eastern Redbud	20-35	20-35	PC	UL	WD		Y	X	C		4 to 9	broad globular	*Cercis canadensis*
	White Fringetree	25	25	PC	UL			Y	X	C	T	4 to 9	spreading	*Chionanthus virginicus*
	East. Flowering Dogwood	20-35	20-35	PC	U	D		Y	X	C		5 to 9	broad globular (urban intolerant)	*Cornus florida*
	Kousa Dogwood	20-30	20-30					Y	X	C	T	5 to 8	vase-shaped	*Cornus kousa*
	Washington Hawthorn	25	20	P	U			Y	X	C	T	4 to 8	oval-upright	*Crataegus phaenopyrum*
	Golden-rain Tree	25-35	25-35					Y	X	C	T	5 to 8	rounded	*Koelreuteria paniculata*
	Amur Maackia	20-30	20-25					Y	X		T	4 to 6	round-headed	*Maackia amurensis*
	Southern Magnolia	40-80	25-40					N	X			7 to 10	dense-pyramidal	*Magnolia grandiflora*
	Saucer Magnolia	20-30	20-30					Y	X	C	T	4 to 9	pyramidal to rounded	*Magnolia x soulangiana*
	Star Magnolia	10-20	10-15					Y	X			4 to 9	dense-rounded	*Magnolia stellata*
	Sweetbay Magnolia	20-50	15-30	PC	L	W	S	Y	X	C		5 to 9	pyramidal	*Magnolia virginiana*
	Crabapple	10-40		PC	U			Y	X		T	4 to 7	select disease resistant cultivars	*Malus sp.*
	Hophornbeam	35-50	20-35	P	U			Y		C		3 to 8	conical	*Ostrya virginiana*
	Sourwood	25-30	20	P	U	D		Y	X	C		4 to 9	pyramidal	*Oxydendrum arboreum*
	Sargent Cherry	25-35	10-15					Y	X	C		4 to 7	upright columnar to narrow vase-shaped	Prunus sargentii 'Columnaris'
	Higan Cherry	20-40	15-30					Y	X			5 to 8	forked trunk with erect twiggy branches	*Prunus subhirtella v. autumnalis*
	Flowering Cherry	40-50						N	X	C		5 to 8	rounded, spreading	*Prunus x yedoensis*
	Flowering Pear	30-50	20-35			D		N	X	C	T	5 to 8	avoid 'Bradford'	*Pyrus calleryana*
	Japanese Stewartia	30-40						N	X	C		5 to 7	pyramidal oval	*Stewartia pseudocamellia*
	Japanese Snowbell	20-30	20-30					Y	X	C		5 to 8	low-branched, broad crown	*Styrax japonicus*
	Japanese Tree Lilac	20-30	15-25					Y	X		T	3 to 7	stiff oval to rounded crown	*Syringa reticulata*
EVERGREEN TREE	Blue Atlas Cedar	40-60	30-40					N				6 to 9	pyramidal	*Cedrus atlantica 'Glauca'*
	Yoshino Japanese Cedar	40-50	15-20			D		N			T	5 to 9	pyramidal	*Cryptomeria japonica 'Yoshino'*
	Amercan Holly	15-30	10-20	PC	U			N			T	5 to 9	pyramidal	*Ilex opaca*
	Eastern Red Cedar	50-60	25-35	PC	U	D	S	Y			T	3 to 8	broadly conical to columnar	*Juniperus virginiana*
	Norway Spruce	40-60	25-30					N				3 to 7	pyramidal with pendulous branches	*Picea abies*
	Serbian Spruce	50-60	20-25					N			T	4 to 7	narrow, pyramidal	*Picea omorika*
	Colorado Blue Spruce	90-135	20-30					N				3 to 7	pyramidal to columnar	*Picea pungens glauca*
	Swiss Stone Pine	30-40	15-25					N				3 to 7	columnar pyramid	*Pinus cembra*
	Limber Pine	30-50	15-35					N				4 to 7	broad pyramid	*Pinus flexilis*
	Austrian Pine	50- 60	20-40				S	N			T	3 to 7	pyramidal	*Pinus nigra*
	White Pine	70	50					N				3 to 7	pyramidal	*Pinus strobus*
	Loblolly Pine	60-90	40-60	C	L	W		N				6 to 9	loosely pyramidal	*Pinus taeda*
	Japanese Black Pine	40-80	20-40				S	N				6 to 8	broad-pyramidal	*Pinus thunbergii*
	Douglasfir	40-80	12-20					N				4 to 6	open pyramid	*Pseudotsuga menziesii*
	American Arborvitae	50	8-20					N				3 to 7	columnar	*Thuja occidentalis*
	Giant Arborvitae	50-60	15-20					N			T	5 to 7	broadly columnar	*Thuja plicata*
	Canadian Hemlock	40-70	25-35	C	L			N				3 to 7	gracefully pyramidal	*Tsuga canadensis*