

Increasing Tree Diversity in the Urban Landscape - Southern Illinois

Revised 11/27/07

List Premises:

- ↑ For the purposes of overall diversity some commonly used trees have been omitted from this list of recommendations (ie. Honeylocust, Autumn Blaze Maple). This does not mean that they cannot be used, rather that the committee felt that their inclusion may have influenced reforestation efforts in such a manner as to create future pest and diversity problems due to current high populations.
- ↑ When the species only is listed, then all cultivars and the species are recommended.
- ↑ When the species and cultivars are listed, then only the species and the selected cultivars are recommended.
- ↑ Northern Illinois is the region north of I-80. USDA Plant hardiness zones 4b(northwestern Illinois), 5a , and 5b(northeastern Illinois).
- ↑ Central Illinois is from I-80 on the north to I-70 on the south. USDA Plant hardiness zones 5a-5b.
- ↑ Southern Illinois the region south of I-70. USDA Plant hardiness zones 5b-6b.
- ↑ It is the recommendation of this committee that those trees provided to private property owners match the size being planted by the local government.
- ↑ The committee recommends that trees be purchased within 200 miles radius of their planting location.
- ↑ Trees may be purchased as bare-root, balled & burlapped (B&B), grow bag or container grown. Size requirements, availability and planting time restraints may be used to determine what harvesting method is acceptable for individual planting projects.
- ↑ Private Property designation includes residential, corporate, parks, golf courses, cemeteries or any other planting site other than the public right-of-way between the street curb and the adjacent private property line.
- ↑ City Parkway designation refers to the public right-of-way. The public right of way is measured from private property line to private property line and includes but is not limited to street surface, sidewalks, medians, plaza's, traffic circles, curbs and parkways or boulevards.
- ↑ All trees listed under the City Parkway designation are to be single stem (tree form).

Tree Species for Southern Illinois				Planting Site				Other				
Common Name	Scientific Name			City parkway	Sidewalk cut out	Private property	Under wires	Salt tolerant	Spring planting best	Availability	Hardiness	Ease of Transplant
	Genus	Species	Cultivar									
White fir	<i>Abies</i>	<i>concolor</i>				●				AV	GD	GD
Hedge maple	<i>Acer</i>	<i>campestre</i>		●		●	●	●	●	AV	GD	GD
Miyabe maple	<i>Acer</i>	<i>miyabei</i>		●		●	●			GD	EX	GD
State Street® Miyabe maple	<i>Acer</i>	<i>miyabei</i>	Morton'	●		●	●			GD	EX	GD
Black Maple	<i>Acer</i>	<i>nigrum</i>		●		●				LTD	AV	AV
Sycamore Maple	<i>Acer</i>	<i>pseudoplatanus</i>		●	●	●		●	●	VLTD	AV	AV
Fall Fiesta Sugar Maple	<i>Acer</i>	<i>saccharum</i>				●				AV	GD	AV
Green Mountain® Sugar Maple	<i>Acer</i>	<i>saccharum</i>	'PNI 0285'	●		●				AV	AV-PR	AV
Silver Queen Silver Maple	<i>Acer</i>	<i>saccharinum</i>	Silver Queen	●		●				NA	GD	GD
Skinner's Cut-leaved Silver Maple	<i>Acer</i>	<i>saccharinum</i>	Skinneri'	●		●				AV	GD	GD
Norwegian Sunset® Maple	<i>Acer</i>		Norwegian Sunset®	●		●	●			LTD	GD	GD
Pacific Sunset® Maple	<i>Acer</i>		Pacific Sunset®	●		●	●			AV	GD	GD
Autumn Fantasy Maple	<i>Acer</i>	<i>x freemanii</i>	Autumn Fantasy'	●		●				GD	GD	GD
Marmo Maple	<i>Acer</i>	<i>x freemanii</i>	Marmo'	●		●				GD	GD	GD
Sienna Maple	<i>Acer</i>	<i>x freemanii</i>	Sienna'	●		●	●			LTD	GD	GD
Ohio Buckeye	<i>Aesculus</i>	<i>glabra</i>		●	●	●				AV	GD	AV
Baumann Horsechestnut	<i>Aesculus</i>	<i>hippocastanum</i>	Baumannii'	●	●	●		●		LTD	GD	AV
Yellow Buckeye	<i>Aesculus</i>	<i>flava</i>		●		●			●	LTD	AV	AV
White Alder **	<i>Alnus</i>	<i>incana</i>				●				LTD	GD	GD
European Black Alder **	<i>Alnus</i>	<i>glutinosa</i>				●				GD	GD	GD
Apple Serviceberry	<i>Amelanchier</i>	<i>x grandiflora</i>		●		●	●			LTD	GD	GD
Allegheny serviceberry	<i>Amelanchier</i>	<i>laevis</i>		●		●	●			LTD	GD	GD
Pawpaw	<i>Asimina</i>	<i>triloba</i>				●	●		●	VLTD	GD	DIF
River Birch	<i>Betula</i>	<i>nigra</i>		●		●			●	GD	GD	AV
European Hornbeam	<i>Carpinus</i>	<i>betulus</i>		●		●			●	AV	GD	DIF
American Hornbeam	<i>Carpinus</i>	<i>caroliniana</i>		●		●	●		●	AV	GD	DIF
Bitternut Hickory	<i>Carya</i>	<i>cordiformis</i>				●			●	NA	GD	DIF
Shellbark Hickory	<i>Carya</i>	<i>lacinoso</i>				●			●	NA	GD	DIF
Pignut Hickory	<i>Carya</i>	<i>glabra</i>				●			●	NA	GD	DIF
Mockernut Hickory	<i>Carya</i>	<i>tomentosa</i>				●			●	NA	GD	DIF
Shagbark Hickory	<i>Carya</i>	<i>ovata</i>				●			●	LTD	GD	DIF
Southern Catalpa	<i>Catalpa</i>	<i>bignoniodes</i>		●		●				VLTD	GD	GD
Chinese Catalpa	<i>Catalpa</i>	<i>ovata</i>		●		●				LTD	GD	GD

Tree Species for Southern Illinois				Planting Site				Other				
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	Genus	Species	Cultivar									
Northern Catalpa	<i>Catalpa</i>	<i>speciosa</i>		●	●	●		●		GD	GD	GD
Sugarberry	<i>Celtis</i>	<i>laevigata</i>		●		●				LTD	GD	GD
Chicagoland Hackberry	<i>Celtis</i>	<i>occidentalis</i>	'Chicagoland'	●	●	●				LTD	GD	GD
Hackberry	<i>Celtis</i>	<i>occidentalis</i>		●	●	●				GD	GD	GD
Windy City Hackberry	<i>Celtis</i>	<i>occidentalis</i>	'Windy City'	●	●	●				LTD	GD	GD
Katsuratree	<i>Cercidiphyllum</i>	<i>japonicum</i>		●		●		●		GD	AV	AV
Eastern Redbud	<i>Cercis</i>	<i>canadensis</i>		●		●	●	●		GD	GD	GD
Whitebud	<i>Cercis</i>	<i>canadensis</i>	'Alba'	●		●	●	●		LTD	GD	AV
American Yellowwood	<i>Cladrastis</i>	<i>kentukea</i>		●		●				LTD	GD	AV
Pagoda Dogwood	<i>Cornus</i>	<i>alternifolia</i>				●	●	●		AV	GD	GD
Flowering Dogwood	<i>Cornus</i>	<i>florida</i>				●	●	●	●	VLTD	GD	AV
Corneliancherry Dogwood	<i>Cornus</i>	<i>mas</i>		●		●	●	●		GD	EX	GD
Turkish Hazelnut	<i>Corylus</i>	<i>colurna</i>		●		●		●		AV	GD	AV
Thornless Cockspur Hawthorn	<i>Crataegus</i>	<i>crus-galli</i>	var. inermis	●		●	●	●		GD	GD	GD
Washington Hawthorn	<i>Crataegus</i>	<i>phaenopyrum</i>				●	●	●		GD	GD	GD
Winter King Green Hawthorn	<i>Crataegus</i>	<i>viridis</i>	'Winter King'			●	●	●		GD	GD	GD
Persimmon	<i>Diospyros</i>	<i>virginiana</i>				●				VLTD	GD	AV
Hardy Rubber Tree	<i>Eucommia</i>	<i>ulmoides</i>				●				VLTD	GD	AV
American Beech	<i>Fagus</i>	<i>grandifolia</i>				●		●		LTD	GD	DIF
Copper Beech	<i>Fagus</i>	<i>sylvatica</i>	(syn.'Cuprea')			●		●		GD	GD	DIF
Fern-leaved European Beech	<i>Fagus</i>	<i>sylvatica</i>	Asplenifolia'			●		●		AV	GD	DIF
Ginkgo, Male only	<i>Ginkgo</i>	<i>biloba</i>		●	●	●				AV	GD	GD
Magyar ginkgo	<i>Ginkgo</i>	<i>biloba</i>	Magyar'	●	●	●				LTD	GD	GD
Princeton Sentry ginkgo	<i>Ginkgo</i>	<i>biloba</i>	Princeton Sentry'	●	●	●				LTD	GD	GD
Kentucky Coffeetree	<i>Gymnocladus</i>	<i>dioicus</i>		●	●	●		●		GD	GD	GD
Silverbell	<i>Halesia</i>	<i>tetraptera</i>				●	●	●		VLTD	GD	AV
Butternut	<i>Juglens</i>	<i>cinerea</i>				●		●		NA	PR	DIF
Black Walnut	<i>Juglans</i>	<i>nigra</i>				●		●		LTD	AV	DIF
Canaert Eastern Redcedar	<i>Juniperus</i>	<i>virginiana</i>	'Canaertii'			●		●	●	AV	GD	GD
Eastern Redcedar	<i>Juniperus</i>	<i>virginiana</i>				●		●	●	AV	GD	GD
Chinese Juniper	<i>Juniperus</i>	<i>chinensis</i>	Upright cultivars			●		●	●	AV	GD	GD
Moraine Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	Moraine'	●	●	●		●		GD	GD	AV
Tuliptree	<i>Liriodendron</i>	<i>tulipifera</i>				●		●		AV	AV	AV
Cucumbertree magnolia	<i>Magnolia</i>	<i>acuminata</i>				●		●		AV	GD	AV
Korean Crabapple	<i>Malus</i>	<i>baccata</i>	var. <i>jackii</i>			●	●	●		GD	GD	GD
Beverly Crabapple	<i>Malus</i>		'Beverly'			●	●	●		GD	GD	GD
Cardinal Crabapple	<i>Malus</i>		'Cardinal'			●	●	●		GD	GD	GD
Purple Prince Crabapple	<i>Malus</i>		Purple Prince			●	●	●		GD	GD	GD
Red Jewel Crabapple	<i>Malus</i>		'Jewelcole'			●	●	●		GD	GD	GD
Red Peacock Crabapple	<i>Malus</i>		Red Peacock'			●	●	●		GD	GD	GD
Sargent's Crabapple	<i>Malus</i>	<i>sargentii</i>				●	●	●		GD	GD	GD
Golden Raindrops® Crabapple	<i>Malus</i>	<i>transitoria</i>	Schmidcutleaf'			●	●	●		GD	GD	GD
Zumi Crabapple	<i>Malus</i>	<i>x zumi</i>				●	●	●		GD	GD	GD
Dawn Redwood	<i>Metasequoia</i>	<i>glyptostroboides</i>		●	●	●		●		AV	AV	AV
Black Gum, Tupelo	<i>Nyssa</i>	<i>sylvatica</i>				●		●		LTD	GD	AV
Ironwood	<i>Ostrya</i>	<i>virginiana</i>		●		●	●	●		AV	GD	AV
Black Hills Spruce	<i>Picea</i>	<i>glauca</i>	'Densata'			●		●		GD	GD	GD
Serbian Spruce	<i>Picea</i>	<i>omorika</i>				●		●		GD	GD	GD
Blue Spruce	<i>Picea</i>	<i>pungens</i>				●		●		GD	GD	GD
London Plane Tree	<i>Platanus</i>	<i>x acerifolia</i>	Exclamation	●	●	●		●	●	LTD	AV	GD
Robusta Poplar	<i>Populus</i>	<i>x euramerica</i>	'Robusta'	●		●		●	●	LTD	AV	GD
Siouxland Poplar	<i>Populus</i>	<i>deltoides</i>	'Siouxland'	●		●		●	●	LTD	AV	GD
Quaking Aspen	<i>Populus</i>	<i>tremuloides</i>				●		●	●	AV	AV	GD
Sargent Cherry	<i>Prunus</i>	<i>sargentii</i>		●	●	●		●		LTD	AV	GD
Japanese Flowering Cherry	<i>Prunus</i>	<i>serrulata</i>		●	●	●		●		LTD	AV	GD
Canada Red Choke Cherry	<i>Prunus</i>	<i>virginiana</i>	'Canada Red'	●	●	●				AV	AV	GD
Amur cherry	<i>Prunus</i>	<i>maackii</i>				●		●		LTD	GD	GD
Callery Pear **	<i>Pyrus</i>	<i>calleryana</i>	Cultivars	●	●	●	●	●		GD	GD	GD
Sawtooth Oak **	<i>Quercus</i>	<i>acutissima</i>		●		●		●		VLTD	GD	AV
White Oak	<i>Quercus</i>	<i>alba</i>				●		●		LTD	GD	DIF
Crimson Spire™ Oak	<i>Quercus</i>	<i>alba x robur</i>	Crimschmidt'	●	●	●		●		VLTD	GD	AV
Swamp White Oak	<i>Quercus</i>	<i>bicolor</i>		●	●	●		●		GD	GD	GD
Scarlet Oak	<i>Quercus</i>	<i>coccinea</i>				●		●		VLTD	GD	DIF

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Hill's Oak	<i>Quercus</i>	<i>ellipsodalis</i>		●		●			●	AV	GD	GD
Shingle Oak	<i>Quercus</i>	<i>imbricaria</i>		●		●			●	AV	GD	AV
Bur Oak	<i>Quercus</i>	<i>macrocarpa</i>		●		●			●	GD	GD	DIF
Swamp Chestnut Oak	<i>Quercus</i>	<i>michauxii</i>				●			●	GD	GD	AV
Chinkapin Oak	<i>Quercus</i>	<i>muehlenbergii</i>		●		●			●	AV	GD	AV
Willow Oak	<i>Quercus</i>	<i>phellos</i>				●			●	LTD	GD	AV
Chestnut Oak	<i>Quercus</i>	<i>prinus</i>		●		●			●	VLTD	GD	AV
English Oak	<i>Quercus</i>	<i>robur</i>			●	●		●	●	LTD	GD	AV
Regal Prince English Oak	<i>Quercus</i>	<i>robur</i>	Regal Prince	●	●	●			●	GD	GD	AV
Skymaster® English Oak	<i>Quercus</i>	<i>robur</i>	Pyramich'	●	●	●			●	LTD	GD	AV
Red Oak	<i>Quercus</i>	<i>rubra</i>		●		●			●	AV	GD	AV
Shumard's Oak	<i>Quercus</i>	<i>shumardii</i>		●		●			●	LTD	GD	AV
Post Oak	<i>Quercus</i>	<i>stellata</i>				●			●	VLTD	GD	DIF
Chicago Blues Black Locust	<i>Robinia</i>	<i>pseudoacacia</i>	Chicago Blues'	●	●	●		●	●	LTD	AV	AV
Scholar tree	<i>Sophora</i>	<i>japonica</i>		●		●			●	VLTD	GD	AV
China Snow® Peking Lilac	<i>Syringa</i>	<i>pekinensis</i>	Morton'	●		●	●		●	GD	GD	GD
Ivory Silk Japanese Tree Lilac	<i>Syringa</i>	<i>reticulata ssp. reticulata</i>	'Ivory Silk'	●	●	●	●	●	●	GD	GD	GD
Summer Snow Japanese Tree lilac	<i>Syringa</i>	<i>reticulata ssp. reticulata</i>	'Summer Snow'	●	●	●	●	●	●	AV	GD	GD
Pondcypress	<i>Taxodium</i>	<i>ascendens</i>		●	●	●			●	VLTD	PR	AV
Baldcypress	<i>Taxodium</i>	<i>distichum</i>		●	●	●		●	●	GD	GD	GD
Shawnee Brave	<i>Taxodium</i>	<i>distichum</i>	Shawnee Brave	●	●	●		●	●	GD	GD	GD
American Linden	<i>Tilia</i>	<i>americana</i>		●		●			●	AV	GD	GD
Boulevard Linden	<i>Tilia</i>	<i>americana</i>	'Boulevard'	●		●			●	LTD	GD	GD
Legend™ Linden	<i>Tilia</i>	<i>americana</i>	Wandell'	●		●			●	LTD	GD	GD
Redmond Linden	<i>Tilia</i>	<i>americana</i>	Redmond	●		●			●	GD	GD	GD
American Sentry Linden	<i>Tilia</i>	<i>americana</i>	American Sentry	●		●			●	GD	GD	GD
Bigleaf Linden	<i>Tilia</i>	<i>platyphyllos</i>		●		●			●	LTD	GD	GD
Green Mountain® Silver Linden	<i>Tilia</i>	<i>tomentosa</i>	PNI 6051	●		●			●	LTD	GD	GD
Sterling Silver™ Silver Linden	<i>Tilia</i>	<i>tomentosa</i>	Sterling'	●		●			●	LTD	GD	GD
Prospector Wilson's Elm	<i>Ulmus</i>	<i>wilsoniana</i>	Prospector'	●	●	●			●	AV	GD	GD
Commendation Elm	<i>Ulmus</i>	<i>carpinifolia</i>	Commendation	●	●	●			●	AV	GD	GD
Regal Elm	<i>Ulmus</i>	<i>carpinifolia</i>	Regal'	●	●	●			●	AV	GD	GD
Triumph™ Elm	<i>Ulmus</i>		Morton Glossy'	●	●	●			●	GD	GD	GD
Lacebark Elm	<i>Ulmus</i>	<i>parvifolia</i>				●			●	AV	AV	GD
Village Green Japanese Zelkova	<i>Zelkova</i>	<i>serrata</i>	'Village Green'	●	●	●		●	●	LTD	AV	AV

** These species may be invasive and should not be planted in or adjacent to natural areas.

List Key:	
City Parkway	The city parkway refers to a predominantly, continuous soil planting area within the public right-of-way, typically adjacent to the curb line of a street.
Sidewalk Cut-out	A sidewalk cut-out refers to an opening in a sidewalk completely surrounded by concrete, asphalt, or pavers.
Private Property	Private property includes residential, corporate, parks, golf courses, cemeteries, or any other landscaped planting site not within the public right-of-way.
Under Wires	Smaller trees better suited for planting under utility wires.
Salt Tolerant	Salt tolerant trees are recommended for use in areas which are subject to road salt.
Spring Planting Best	Trees which may require spring planting or at least to be nursery dug in the spring to improve establishment and survivability rates.
Availability	GD = Good: commonly available in most nurseries AV = Average: available in many nurseries LTD = Limited: available in some nurseries in limited quantities VLTD = Very Limited: somewhat difficult to find in nurseries NA = Not Available: currently no known growers
Hardiness	EX = Excellent: good overall survivability GD = Good: performs well AV = Average: grows within the area AV-PR = Average to Poor: may grow within protected sites but otherwise not survive in exposed sites.
Ease of Transplant	GD = Good: Easily transplantable AV = Average: Transplants reasonably well DIF = Difficult: Requires special consideration for successful transplant

The document was developed by the State of Illinois Emerald Ash Borer Reforestation Committee, a sub-committee of the Governor's Emerald Ash Borer Management & Science Advisory Panel .