

THE TREE LIST

Great Street Trees

For The Kansas City Region

(As Rated by Metropolitan Area Experts)

A study by Robert Whitman RLA, AICP, LEED AP

The Tree List: For The Kansas City Region (As Rated By Metropolitan Area Experts) was a study conducted by Robert Whitman, RLA, AICP, LEED AP, in which Kansas City area tree experts were asked to provide numerical ratings for over 380 trees in multiple categories. These ratings were averaged to determine the highest rated trees for each category. Some trees and categories have been added since that original study to provide additional information for users. This list shows all typically available trees, good and bad, to provide users with information on most tree options.

Study Participants:

Alan Branhagen, Director of Horticulture, Powell Gardens (former); **Bob Haines**, Arborist (dec.); **Cheryl Boyer**, Assistant Professor, K-State Extension; **Chip Winslow**, FASLA, KSU Department of Landscape Architecture (retired); **Chris Casebeer**, Green Valley Nursery; **Dan Simmons**; **Dennis Patton**, Johnson County Extension Agent; **Ivan Katzer**, Consulting Arborist; **Kevin Smith**, Forester, Johnson County Parks & Recreation (retired); **Mark Young**, Country Club Tree Service; **Michael Dougherty**, Tree Management Company; **Robert Whitman**, Landscape Architect, Multistudio; **Scott Reiter**, Linda Hall Library (dec.); **Susan Mertz**, Director of Horticulture, Powell Gardens; **Tim McDonnell**, Forester, Kansas Forest Service; and **Tory Schwope**, KAT Nurseries

Great Street Trees For The Kansas City Region

*** = Recommended Tree for the KC Region** for general landscape use in favorable conditions and sites.

Native Status = Trees native to **local** KC, the **region** near KC, distance **U.S.** areas or **invasive** trees to the area.

Ratings = As scored by local experts. Some cultivars grouped and averaged with new trees added.

Height/Lifespan/Comments = As scored/commented by local experts. Ecosystem Services added.

= Super tree for this situation

= Good tree for this situation

= Marginal tree for this situation

= Poor tree for this situation

Native Status	Under Power Lines	Tree Name	Rating							Comments
			Landscape Value	Street Tree	Climate Adaptable	Drought Tolerant	Ecosystem Services	Mature Height (ft)	Exp. Lifespan (yrs.)	
	*	<i>Acer buergerianum</i> - Trident Maple						30	65	Good urban tree, not hardy north of KC.
		<i>Acer campestre</i> - Hedge Maple						50	60	Compact form, dark green leaf, tolerates high pH
		<i>Acer campestre</i> 'JFS Shichtel2' - Streetside Hedge Maple						35	60	Narrow cultivar, 'Metro Gold' is less hardy.
	*	<i>Acer griseum</i> - Paperbark Maple						30	65	Great fall color, dramatic exfoliating bark.
		<i>Acer miyabei</i> - Miyabe Maple						40	65	Durable, pale yellow fall color.
		<i>Acer miyabei</i> 'JFS-KW3AMI' - Rugged Ridge Miyabe Maple						55	65	More narrow than species, also: 'State Street'.
Local		<i>Acer saccharum</i> 'Sugar Maple						50	70	Good maple for irrigated sites & quality soils, common cultivars: 'Fall Fiesta', 'Bonfire', 'Green Mountain', 'Oregon Trail', 'Legacy'.
Region		<i>Acer saccharum</i> v. <i>Caddo</i> - Caddo Sugar Maple						40	70	Native variety to region, good selection for dry sites, common cultivars: 'Autumn Splendor', 'Flashfire', 'John Pair'.
	*	<i>Acer truncatum</i> - Shantung Maple						25	70	Excellent small tree for KC.
		<i>Acer x truncatum</i> - Sunset Maple cultivars						35	80	Medium size durable tree. Common cultivars: 'Pacific Sunset', 'Norwegian Sunset', 'Urban Sunset', 'Crimson Sunset'.
		<i>Carpinus betulus</i> - European Hornbeam						50	65	Clean shade tree that is underused.
U.S.	*	<i>Carpinus caroliniana</i> - American Hornbeam						30	65	Good shade tree alternative.
Region		<i>Cladrastis kentukea</i> (lutea) - Yellowwood						50	50	Great bloom and smooth bark.
		<i>Corylus colurna</i> - Turkish Hazel						50	70	Very durable tree, medium size.
	*	<i>Crataegus ambigua</i> - Russian Hawthorn						20	50	Tough, good north and west of KC.
		<i>Eucommia ulmoides</i> - Hardy Rubber Tree						40	50	Tough medium size tree, cultivar: 'Emerald Prairie'
		<i>Ginkgo biloba</i> - Ginkgo cultivars						50	100+	Low ecological value, beautiful, long lived tree, protect from bark damage. Common cultivars: 'Princeton Sentry', 'Autumn Gold', 'Magyar', 'Shangri-La', 'Presidential Gold'.
Local		<i>Gleditsia triacanthos</i> - Honeylocust						70	65	Use cultivars for thornless and seedless character, protect trunk during moving/planting to reduce canker issues, Common cultivars: 'Shademaster', 'Street Keeper', 'Imperial', 'Skyline'
Local		<i>Gymnocladus dioica</i> - Kentucky Coffeetree						50	95	Very tough species, Common fruitless cultivars: 'Expresso', 'Decaf'.

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Native Status	Under Power Lines		Landscape Value	Street Tree	Climate Adaptable	Drought Tolerant	Ecosystem Services	Mature Height (ft)	Exp. Lifespan (yrs.)	
	✱	<i>Maackia amurensis</i> - Amur Maackia	☹️	😊	😊	😊	😊	20	50	Durable, good mid-summer bloom. Cultivar: 'Starburst'.
Region	✱	<i>Maclura pomifera</i> - Thornless/Fruitless Osage Orange	😊	😊	😊	😊	😊	20	100+	Cultivars: 'White Shield', 'Wichita'. Excellent tree for difficult planting sites.
	✱	<i>Malus cultivars</i> - Crabapple	😊	😊	😊	😊	😊	20	40	Many colors and characteristics. All not equal. Common cultivars: 'Coralburst', 'Perfect Purple', 'Prairiefire', 'Royal Raindrops', 'Spring Snow', 'Sugartyme', 'Velvet Pillar', 'Red Jewell'.
		<i>Metasequoia glyptostroboides</i> - Dawn Redwood	😊	😊	😊	😊	😊	70	95	Option to bald cypress, Interesting deciduous needled conifer.
Region		<i>Nyssa sylvatica</i> - Blackgum cultivars	😊	😊	😊	😊	😊	40	75	'Wildfire' is well proven. Common cultivars: 'Red Rage', 'Afterburner', 'Firestarter', 'Green Gable'.
Local		<i>Ostrya virginiana</i> - Amer. Hophornbeam	😊	😊	😊	😊	😊	40	95	Good native woodland tree. Cultivar: 'Autumn Treasure'.
Local		<i>Platanus occidentalis</i> - Sycamore	😊	😊	😊	😊	😊	70	95	Very large native tree, best for large sites or grand boulevards, prone to anthracnose, messy.
		<i>Platanus x acerifolia</i> 'Morton Circle' - Exclamation Planetree	😊	😊	😊	😊	😊	70	95	Exclamation cultivar has a refined pyramidal form, better fungus resistance than others, but not native.
		<i>Pseudocarya sinensis</i> - Chinese Quince	😊	😊	😊	😊	😊	50	60	Interesting bark, subject to fireblight, not many old specimens in KC.
Local		<i>Quercus alba</i> - White Oak	😊	😊	😊	😊	😊	70	100+	Queen of the shade trees, best for quality soils.
Local		<i>Quercus bicolor</i> - Swamp White Oak	😊	😊	😊	😊	😊	70	100+	Excellent tree for all large shade tree needs. Extremely high pH soils are a concern.
U.S.		<i>Quercus buckleyi</i> - Texas Red Oak	😊	😊	😊	😊	😊	35	85	May be a good option in higher pH soils.
Region		<i>Quercus coccinea</i> - Scarlet Oak	😊	😊	😊	😊	😊	70	90	Excellent tree for average or better soils.
		<i>Quercus dendra</i> - Japanese Emperor Oak	😊	😊	😊	😊	😊	50	70	Interesting and rare oak.
Local		<i>Quercus imbricaria</i> - Shingle Oak	😊	😊	😊	😊	😊	70	95	Holds most leaves thru winter which may be a concern where snow/ice melt is important, durable oak.
Region		<i>Quercus lyrata</i> - Overcup Oak	😊	😊	😊	😊	😊	70	100+	Excellent tree that needs more use.
		<i>Quercus macdanielli</i> 'Clemons' - Heritage Oak	😊	😊	😊	😊	😊	70	90	Has non-native genes, heavy nut production.
Local		<i>Quercus macrocarpa</i> - Bur Oak	😊	😊	😊	😊	😊	70	100+	Excellent tree for KC but has large nuts that may not be appropriate for urban sites.
Region		<i>Quercus michauxii</i> - Swamp Chestnut Oak	😊	😊	😊	😊	😊	70	100+	Similar to Chestnut Oak, but more tolerant of wet soils.
Local		<i>Quercus muehlenbergii</i> - Chinkapin Oak	😊	😊	😊	😊	😊	60	100+	Excellent native, large and wide tree. Best for non-irrigated sites.
Region		<i>Quercus pagoda</i> - Cherrybark Oak	😊	😊	😊	😊	😊	70	90	Excellent tree, should be used more.
U.S.		<i>Quercus prinus</i> (montana) - Chestnut Oak	😊	😊	😊	😊	😊	60	95	Very drought tolerant, needs good drainage.
Local		<i>Quercus rubra</i> - Red Oak	😊	😊	😊	😊	😊	70	95	Shumard may be better selection for urban sites
Local		<i>Quercus shumardii</i> - Shumard Oak	😊	😊	😊	😊	😊	70	95	Excellent urban shade tree.
Local		<i>Quercus stellata</i> - Post Oak	😊	😊	😊	😊	😊	50	100+	Beautiful tree, slow growing with tiny acorns.
U.S.		<i>Quercus texana</i> - Nuttall Oak (Texas Red Oak)	😊	😊	😊	😊	😊	70	75	Great urban tree that tolerates wet soils.

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		<i>Quercus × bebbiana</i> - Bebb's Oak	😊	😊	😊	😊	😊	70	100+	Cross between White Oak & Burr Oak.
		<i>Quercus</i> var. - Columnar Types	😊	😊	😊	😊	😊	45	85	Columnar oaks in the trade are excellent trees but are only partially native. Common cultivars: 'Kindred Spirit', 'Regal Prince', 'Scarlet Letter', 'Urban Pinnacle'.
	✱	<i>Syringa pekinensis</i> - Chinese Tree Lilac	😊	😊	😊	😊	😞	30	50	Interesting bark texture, late spring bloom.
	✱	<i>Syringa reticulata</i> 'Ivory Silk' - Japanese Tree Lilac	😊	😊	😊	😞	😞	30	30	Durable blooming tree but not very long lived.
U.S.		<i>Taxodium ascendens</i> - Pond Cypress	😊	😊	😊	😊	😞	50	100+	Interesting fine foliage compared to bald cypress. Cultivar: 'Prairie Sentinel'.
U.S.		<i>Taxodium distichum</i> - Bald Cypress	😊	😊	😊	😊	😞	70	100+	Great urban tree, interesting deciduous needled conifer, gets very large, grows knees on wet sites
U.S.		<i>Taxodium distichum</i> - Columnar Bald Cypress	😊	😊	😊	😊	😞	50	100+	'Shawnee Brave' is a wide columnar tree, 'Lindsey's Skyward' is a narrow columnar tree.
Local		<i>Tilia americana</i> - American Linden / Basswood	😊	😊	😞	😊	😊	60	75	Native Linden/Basswood, excellent tree, not preferred by Japanese beetle, common cultivars: 'Boulevard', 'American Sentry'.
		<i>Tilia tomentosa</i> - Silver Linden	😊	😊	😊	😊	😊	70	75	Excellent Linden, Cultivar: 'Sterling Silver'.
Local		<i>Ulmus americana</i> - American Elm cultivars	😊	😊	😊	😊	😊	70	95	The king of urban trees past. Still excellent with DED resistant cultivars: 'Valley Forge', 'Princeton', 'Prairie Expedition', 'New Harmony'.
		<i>Ulmus parvifolia</i> - Lacebark Elm	😊	😊	😊	😊	😊	50	60	Interesting bark, tough, fast growing, ice storm damage possible, cultivars: 'Allee', 'Emerald Prairie', 'Athena', 'Dynasty'.
		<i>Ulmus</i> x - Hybrid Elm	😊	😊	😊	😊	😊	50	80	Many excellent, durable complex elm clones: 'Frontier', 'Accolade', 'Triumph', 'Commendation', 'New Horizon', 'Patriot'.
		<i>Zelkova serrata</i> - Japanese Zelkova	😊	😊	😊	😞	😞	50	40	Durable, fast growing urban tree with minimal ecological benefit. Common cultivars: 'Green Vase', 'Halka', 'Village Green'.
		<i>Zelkova serrata</i> 'Musashino' - Columnar Zelkova	😊	😊	😊	😞	😞	50	40	Columnar selection of Zelkova.