
APPENDIX C – GREAT TREES FOR THE KANSAS CITY REGION

This guide shall be used to choose street tree and landscape materials. This list can be managed and supplemented by City Staff from time to time and administered through more specific landscape, street scape and site design recommendation through the development review process.

THE TREE LIST

GREAT TREES FOR THE KANSAS CITY REGION

AS RATED BY METROPOLITAN AREA EXPERTS

December 2013 revision

Study by Robert Whitman, ASLA, AICP, LEED AP

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ABOUT THIS STUDY:

Kansas City area tree experts were asked to provide numerical opinions (0-5 ratings) for 378 trees in four categories (Landscape Value, Street Tree Value, Cultural Adaptability, and Useful Lifespan). These ratings were averaged to determine the highest rated trees for each category.

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GREAT TREES FOR THE KANSAS CITY REGION

AS RATED BY METROPOLITAN AREA EXPERTS

Study by Robert Whitman, ASLA, AICP, LEED AP

December 2013 revision

LARGE TREES FOR THE LANDSCAPE (IN ORDER OF PREFERENCE OUT OF 218 TREES)

1. *Quercus alba* **White Oak**
2. *Quercus bicolor* **Swamp White Oak**
3. *Acer saccharum* 'Autumn Splendor' **Caddo Sugar Maple**
4. *Gymnocladus dioica* 'Expresso' **Kentucky Coffeetree**
5. *Acer x truncatum* 'Warrenred' **Pacific Sunset Maple**
6. *Acer saccharum* 'John Pair' **John Pair Caddo Maple**
7. *Ginkgo biloba* 'Autumn Gold' **Autumn Gold Ginkgo**
8. *Acer saccharum* 'Fall Fiesta' **Fall Fiesta Sugar Maple**
9. *Quercus macrocarpa* **Bur Oak**
10. *Quercus muehlenbergii* **Chinkapin Oak**
11. *Acer miyabei* 'Morton' **State Street Miyabe Maple**
12. *Taxodium distichum* 'Shawnee Brave' **Bald Cypress**
13. *Metasequoia glyptostroboides* **Dawn Redwood**
14. *Taxodium distichum* **Bald Cypress**
15. *Acer saccharum* 'Legacy' **Legacy Sugar Maple**
16. *Nyssa sylvatica* **Blackgum**
17. *Taxodium ascendens* **Pond Cypress**
18. *Ulmus propinqua* 'JFS Bieberich' **Emerald Sunshine Elm**
19. *Quercus shumardii* **Shumard Oak**
20. *Quercus rubra* **Red Oak**
21. *Ginkgo b.* 'Princeton Sentry' **Princeton Sentry Ginkgo**
22. *Acer x 'Keithsform'* **Norwegian Sunset Maple**
23. *Tilia tomentosa* 'Sterling' **Sterling Silver Linden**
24. *Quercus x wareii* 'Long' **Regal Prince Columnar Oak**
25. *Tilia americana* 'DTR 123' **Legend American Linden**
26. *Ulmus x 'Frontier'* **Frontier Elm**
27. *Quercus pagoda* **Cherrybark Oak**
28. *Quercus x 'Crimschmidt'* **Crimson Spire Col. Oak**
29. *Tilia tomentosa* **Silver Linden**
30. *Quercus stellata* **Post Oak**
31. *Zelkova serrata* 'Musashino' **Columnar Zelkova**
32. *Acer saccharum* 'Green Mountain' **Green Mt. Sugar Maple**
33. *Carpinus betulus* **European Hornbeam**
34. *Cladrastis kentukea* **Yellowwood**
35. *Ulmus parvifolia* 'Emerald Prairie' **Em. Prairie Lbk. Elm**
36. *Quercus lyrata* **Overcup Oak**
37. *Acer miyabei* **Miyabe Maple**
38. *Quercus prinus* **Chestnut Oak**
39. *Ulmus parvifolia* 'Allee' **Allee Lacebark Elm**
40. *Carpinus caroliniana* **American Hornbeam**
41. *Magnolia x acuminata* 'Butterflies' **Butterflies Magnolia**
42. *Quercus coccinea* **Scarlet Oak**
43. *Ulmus amer.* 'New Harmony' **New Harmony Amer. Elm**
44. *Eucommia ulmoides* **Hardy Rubber Tree**
45. *Ulmus americana* 'Princeton' **Princeton American Elm**
46. *Ulmus americana* 'Valley Forge' **Valley Forge Amer. Elm**
47. *Carpinus betulus* 'Frans Fontaine' **Columnar Hornbeam**
48. *Zelkova serrata* 'Village Green' **Village Green Zelkova**
49. *Maclura pomifera* 'White Shield' **Seedless Osage Orange**
50. *Aesculus x carnea* 'O'Neill's Red' **Red Horsechestnut**
51. *Ulmus parvifolia* 'Athena' **Athena Lacebark Elm**
52. *Zelkova serrata* 'Green Vase' **Green Vase Zelkova**
53. *Acer saccharum* **Sugar Maple**
54. *Tilia americana* 'McK Sentry' **American Sentry Linde**
55. *Ulmus x 'Morton Glossy'* **Triumph Elm**
56. *Fagus sylvatica* 'Atropunicea' **Purpleleaf Beech**

GREAT TREES FOR THE KANSAS CITY REGION

AS RATED BY METROPOLITAN AREA EXPERTS

LARGE STREET TREES (IN ORDER OF PREFERENCE OUT OF 218 TREES)

1. *Quercus bicolor* **Swamp White Oak**
2. *Tilia tomentosa* 'Sterling' **Sterling Silver Linden**
3. *Tilia americana* 'DTR 123' **Legend American Linden**
4. *Acer miyabei* 'Morton' **State Street Miyabe Maple**
5. *Taxodium d.* 'Shawnee Brave' **Col. Bald Cypress**
6. *Ulmus prop.* 'JFS Bieberich' **Emerald Sunshine Elm**
7. *Ulmus x* 'Frontier' **Frontier Elm**
8. *Ginkgo biloba* 'Autumn Gold' **Autumn Gold Ginkgo**
9. *Acer x trunc.* 'Keithsform' **Norwegian Sunset Maple**
10. *Acer x truncatum* 'Warrenred' **Pacific Sunset Maple**
11. *Gymnocladus dioicus* 'Espresso' **Kentucky Coffeetree**
12. *Quercus shumardii* **Shumard Oak**
13. *Ginkgo b.* 'Princeton Sentry' **Princeton Sentry Ginkgo**
14. *Quercus buckleyi* **Texas Red Oak**
15. *Quercus x wareii* 'Long' **Regal Prince Col. Oak**
16. *Quercus lyrata* **Overcup Oak**
17. *Ulmus americana* 'Princeton' **Princeton Amer. Elm**
18. *Quercus alba* **White Oak**
19. *Ulmus americana* 'New Harmony' **New Harmony Elm**
20. *Acer saccharum* 'Autumn Splendor' **Caddo Sugar Maple**
21. *Quercus rubra* **Red Oak**
22. *Maclura pomifera* 'White Shield' **Seedls. Osage Orange**
23. *Quercus muehlenbergii* **Chinkapin Oak**
24. *Eucommia ulmoides* **Hardy Rubber Tree**
25. *Platanus x acerifolia* 'Bloodgood' **Bloodgood Planetree**
26. *Ulmus a.* 'Valley Forge' **Valley Forge American Elm**
27. *Zelkova serrata* 'Musashino' **Columnar Zelkova**
28. *Zelkova serrata* 'Green Vase' **Green Vase Zelkova**
29. *Quercus x Crimschmidt* **Crimson Spire Columnar Oak**
30. *Ulmus parvifolia* 'Emerald Prairie' **Lacebark Elm**
31. *Quercus texana* **Nuttall Oak**
32. *Tilia americana* 'McKsentry' **American Sentry Linden**
33. *Ulmus parvifolia* 'Allee' **Allee Lacebark Elm**
34. *Ulmus x* 'Morton Glossy' **Triumph Elm**
35. *Ulmus x* 'Patriot' **Patriot Elm**
36. *Taxodium ascendens* **Pond Cypress**
37. *Quercus macrocarpa* **Bur Oak**
38. *Quercus coccinea* **Scarlet Oak**
39. *Gleditsia triacanthos* 'Imperial' **Imperial Honeylocust**
40. *Ulmus parvifolia* 'Athena' **Athena Lacebark Elm**
41. *Acer saccharum* 'John Pair' **John Pair Caddo Maple**
42. *Gleditsia triacanthus* 'Skyline' **Skyline Honeylocust**
43. *Zelkova serrata* 'Village Green' **Village Green Zelkova**
44. *Acer saccharum* 'Fall Fiesta' **Fall Fiesta Sugar Maple**
45. *Acer saccharum* 'Legacy' **Legacy Sugar Maple**
46. *Metasequoia glyptostroboides* **Dawn Redwood**
47. *Quercus prinus* **Chestnut Oak**
48. *Taxodium distichum* **Bald Cypress**
49. *Ulmus x* 'Morton' **Accolade Elm**
50. *Acer miyabei* **Miyabe Maple**

LOWEST RATED COMMONLY USED TREES (IN ORDER OF LEAST PREFERENCE OUT OF 371 TREES)

1. *Pyrus calleryana* 'Bradford' **Bradford Pear**
2. *Acer saccharinum* **Silver Maple**
3. *Prunus cerasifera* 'Newport' **Newport Plum**
4. *Populus deltoides* **Cottonwood**
5. *Fraxinus* **Green & White Ash**
6. *Acer ginnala* **Amur Maple**
7. *Crataegus viridis* 'Winter King' **Green Hawthorn**
8. *Robinia pseudoacacia* 'Purple Robe' **Black Locust**
9. *Liquidambar styraciflua* 'Rotundiloba' **Sweetgum**
10. *Acer rubrum* **Red Maple**

GREAT TREES FOR THE KANSAS CITY REGION

AS RATED BY METROPOLITAN AREA EXPERTS

MOST CULTURALLY ADAPTABLE TREES FOR KC (OUT OF 371 TREES)

- | | |
|---|---|
| 1. <i>Ulmus americana</i> 'New Harmony' New Harmony Elm | 22. <i>Acer x freemanii</i> 'Autumn Blaze' Autumn Blaze Maple |
| 2. <i>Quercus macrocarpa</i> Bur Oak | 23. <i>Quercus shumardii</i> Shumard Oak |
| 3. <i>Ulmus x 'Morton Glossy'</i> Triumph Elm | 24. <i>Quercus muehlenbergii</i> Chinkapin Oak |
| 4. <i>Quercus bicolor</i> Swamp White Oak | 25. <i>Celtis occidentalis</i> Hackberry |
| 5. <i>Ulmus propinqua</i> 'JFS Bieberich' Emerald Sunshine Elm | 26. <i>Ginkgo b. 'Princeton Sentry'</i> Princeton Sentry Ginkgo |
| 6. <i>Ulmus x 'Patriot'</i> Patriot Elm | 27. <i>Platanus x acerifolia</i> 'Bloodgood' Bloodgood Planetree |
| 7. <i>Maclura pomifera</i> 'White Shield' Fruitless Osage Orange | 28. <i>Acer x freemanii</i> 'Armstrong' Armstrong Col. Maple |
| 8. <i>Quercus x wareii</i> 'Long' Regal Prince Columnar Oak | 29. <i>Quercus lyrata</i> Overcup Oak |
| 9. <i>Taxodium d. 'Shawnee Brave'</i> Columnar Bald Cypress | 30. <i>Acer miyabei</i> 'Morton' State Street Miyabe Maple |
| 10. <i>Plataus occidentalis</i> Sycamore | 31. <i>Malus</i> Coral Burst & Adirondack Crabapple |
| 11. <i>Gymnocladus dioicus</i> 'Expresso' Kentucky Coffeetree | 32. <i>Quercus buckleyi</i> Texas Red Oak |
| 12. <i>Taxodium distichum</i> Bald Cypress | 33. <i>Euonymus bungeanus</i> Winterberry Euonymus |
| 13. <i>Ulmus x 'Morton'</i> Accolade Elm | 34. <i>Taxodium ascendens</i> Pond Cypress |
| 14. <i>Acer truncatum</i> Shantung Maple | 35. <i>Malus</i> Japanese & Professor Springer Crabapple |
| 15. <i>Quercus imbricaria</i> Shingle Oak | 36. <i>Quercus rubra</i> Red Oak |
| 16. <i>Ginkgo biloba</i> 'Autumn Gold' Autumn Gold Ginkgo | 37. <i>Ulmus a. 'Valley Forge'</i> Valley Forge American Elm |
| 17. <i>Tilia tomentosa</i> 'Sterling' Sterling Silver Linden | 38. <i>Gleditsia triacanthos</i> Honeylocust |
| 18. <i>Ulmus x 'Frontier'</i> Frontier Elm | 39. <i>Acer campestre</i> Hedge Maple |
| 19. <i>Acer x trunc. 'Keithsform'</i> Norwegian Sunset Maple | 40. <i>Corylus columna</i> Turkish Hazel |
| 20. <i>Acer x truncatum</i> 'Warrenred' Pacific Sunset Maple | 41. <i>Malus</i> Donald Wyman & Mary Potter Crabapple |
| 21. <i>Tilia americana</i> 'DTR 123' Princeton Amer. Linden | 42. <i>Acer saccharum</i> 'A.S.' Autumn Splendor Caddo Maple |

LONGEST LIVED TREES (IN ORDER OF USEFUL LIFESPAN, OUT OF 371 TREES)

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|--|---|--|
| 1. <i>Quercus macrocarpa</i> Bur Oak | 10. <i>Ginkgo biloba</i> Ginkgo | 19. <i>Metasequoia glyp.</i> Dawn Redwood |
| 2. <i>Quercus muehlenbergii</i> Chinkapin Oak | 11. <i>Ulmus americana</i> Amer. Elm cultiv. | 20. <i>Quercus palustris</i> Pin Oak |
| 3. <i>Quercus alba</i> White Oak | 12. <i>Platanus x acer.</i> London Planetree | 21. <i>Quercus coccinea</i> Scarlet Oak |
| 4. <i>Quercus bicolor</i> Swamp White Oak | 13. <i>Platanus occidentalis</i> Sycamore | 22. <i>Carya</i> Hickory & Pecan |
| 5. <i>Quercus rubra</i> Red Oak | 14. <i>Maclura pomifera</i> Osage Orange | 23. <i>Quercus pagoda</i> Cherrybark Oak |
| 6. <i>Quercus stellata</i> Post Oak | 15. <i>Quercus prinus</i> Chestnut Oak | 24. <i>Quercus robur</i> English Oak |
| 7. <i>Juglans nigra</i> Black Walnut | 16. <i>Quercus imbricaria</i> Shingle Oak | 25. <i>Ulmus X</i> Elm Hybrids |
| 8. <i>Quercus lyrata</i> Overcup Oak | 17. <i>Quercus shumardii</i> Shumard Oak | 26. <i>Acer</i> Pac. & Nor. Sunset Maples |
| 9. <i>Taxodium dist.</i> Bald Cypress | 18. <i>Gymnocladus dioicus</i> K. Coffeetree | 27. <i>Catalpa speciosa</i> Northern Catalpa |

GREAT TREES FOR THE KANSAS CITY REGION

AS RATED BY METROPOLITAN AREA EXPERTS

SMALL TREES FOR THE LANDSCAPE (IN ORDER OF PREFERENCE OUT OF 153 TREES)

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|---|--|
| 1. <i>Acer griseum</i> Paperbark Maple | 14. <i>Malus 'Royal Raindrops'</i> Royal Raindrops Crab |
| 2. <i>Acer truncatum</i> Shantung Maple | 15. <i>Cercis canadensis</i> Redbud |
| 3. <i>Cornus kousa</i> Kousa Dogwood | 16. <i>Cornus florida</i> White Flowering Dogwood |
| 4. <i>Chionanthus virginicus</i> White Fringetree | 17. <i>Magnolia virginiana</i> Sweetbay Magnolia |
| 5. <i>Aesculus pavia</i> Red Buckeye | 18. <i>Amelanchier 'Autumn Brilliance'</i> Apple Serviceberry |
| 6. <i>Hamamelis virginiana</i> Witch Hazel | 19. <i>Heptacodium miconioides</i> Seven-son Flower |
| 7. <i>Acer palmatum 'Bloodgood'</i> Red-leaf Jap. Maple | 20. <i>Cornus controversa 'June Snow'</i> June Snow Dogwood |
| 8. <i>Chionanthus retusus</i> Chinese Fringetree | 21. <i>Parrotia persica</i> Persian Parrotia |
| 9. <i>Cercis reniformis 'Oklahoma'</i> Oklahoma Redbud | 22. <i>Magnolia x 'Jane'</i> Jane Magnolia |
| 10. <i>Syringa reticulata 'Ivory Silk'</i> Japanese Tree Lilac | 23. <i>Malus 'Adirondack'</i> Adirondack Crabapple |
| 11. <i>Acer buergerianum</i> Trident Maple | 24. <i>Malus 'Velvet Pillar'</i> Columnar Crabapple |
| 12. <i>Acer triflorum</i> Three-Flowered Maple | 25. <i>Cornus mas</i> Corneliancherry Dogwood |
| 13. <i>Malus sargentii</i> Sargent Crabapple | 26. <i>Ostrya virginiana</i> Ironwood/Hophornbeam |

SMALL STREET TREES (IN ORDER OF PREFERENCE OUT OF 153 TREES)

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|--|---|
| 1. <i>Acer truncatum</i> Shantung Maple | 9. <i>Syringa pekinensis 'China Snow'</i> Chinese Tree Lilac |
| 2. <i>Zelkova serrata 'Schmidtlow'</i> Wireless Zelkova | 10. <i>Acer griseum</i> Paperbark Maple |
| 3. <i>Acer buergerianum</i> Trident Maple | 11. <i>Malus 'Adirondack'</i> Adirondack Crabapple |
| 4. <i>Syringa reticulata 'Ivory Silk'</i> Japanese Tree Lilac | 12. <i>Acer tartaricum</i> Tartarian Maple |
| 5. <i>Malus 'Velvet Pillar'</i> Columnar Crabapple | 13. <i>Parrotia persica</i> Persian Parrotia |
| 6. <i>Maackia amurensis</i> Amur Maackia | 14. <i>Prunus padus 'Drietre'</i> Merlot Bird Cherry |
| 7. <i>Ostrya virginiana</i> Ironwood/Hophornbeam | 15. <i>Malus 'Royal Raindrops'</i> Royal Raindrops Crab |
| 8. <i>Koelreuteria paniculata</i> Golden Raintree | 16. <i>Crataegus ambigua</i> Russian Hawthorn |

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