

THE TREE LIST

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 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.

Study Participants:

Alan Branhagen, Director of Horticulture, Powell Gardens; **Bob Haines**, Arborist, Shade Masters, (913) 522-1810; **Cheryl Boyer**, Assistant Professor, K-State Extension; **Chip Winslow**, FASLA, KSU Department of Landscape Architecture; **Chris Casebeer**, Green Valley Nursery, (913) 206-6598; **Dan Simmons**, Show-Me Horticulture, (816) 277-6601; **Dennis Patton**, Johnson County Extension Agent; **Ivan Katzer**, Consulting Arborist, (816) 765-4241; **Kevin Smith**, Forester, Johnson County Parks & Recreation (retired); **Mark Young**, Country Club Tree Service (816) 333-7220; **Michael Dougherty**, Tree Management Company, (913) 894-8733; **Robert Whitman**, Landscape Architect, Multistudio, (816) 701-5460; **Scott Reiter**, Linda Hall Library; **Susan Mertz**, Loma Vista Nursery, (913) 897-7010; **Tim McDonnell**, Forester, Kansas Forest Service; and **Tory Schwope**, KAT Nurseries, (913) 856-5288

LARGE TREES – FOR THE LANDSCAPE

(IN ORDER OF PREFERENCE OUT OF 218 TREES)

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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* **Wildfire 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* **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* 'McKSentry'
American Sentry Linden
 55. *Ulmus x 'Morton Glossy'* **Triumph Elm**
 56. *Fagus sylvatica* 'Atropunicea' **Purpleleaf Beech**

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

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1. *Quercus bicolor* **Swamp White Oak**
 2. *Tilia tomentosa* 'Sterling' **Sterling Silver Linden**
 3. *Tilia americana* **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* 'Expresso' **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* 'Morton Circle'
Exclamation Planet
 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**

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

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| <ol style="list-style-type: none"> 1. <i>Acer griseum</i> Paperbark Maple 2. <i>Acer truncatum</i> Shantung Maple 3. <i>Cornus kousa</i> Kousa Dogwood 4. <i>Chionanthus virginicus</i> White Fringetree 5. <i>Aesculus pavia</i> Red Buckeye 6. <i>Hamemalis virginiana</i> Witch Hazel 7. <i>Acer palmatum</i> 'Bloodgood' Red-leaf Jap. Maple 8. <i>Chionanthus retusus</i> Chinese Fringetree 9. <i>Cercis reniformis</i> 'Oklahoma' Oklahoma Redbud 10. <i>Syringa reticulata</i> 'Ivory Silk' Japanese Tree Lilac 11. <i>Acer buergerianum</i> Trident Maple 12. <i>Acer triflorum</i> Three-Flowered Maple 13. <i>Malus sargentii</i> Sargent Crabapple 14. <i>Malus</i> 'Royal Raindrops' Royal Raindrops Crab | <ol style="list-style-type: none"> 15. <i>Cercis canadensis</i> Redbud 16. <i>Cornus florida</i> White Flowering Dogwood 17. <i>Magnolia virginiana</i> Sweetbay Magnolia 18. <i>Amelanchier</i> 'Autumn Brilliance' Apple Serviceberry 19. <i>Heptacodium miconiodes</i> Seven-son Flower 20. <i>Cornus controversa</i> 'June Snow' June Snow Dogwood 21. <i>Parrotia persica</i> Persian Parrotia 22. <i>Magnolia x</i> 'Jane' Jane Magnolia 23. <i>Malus</i> 'Adirondack' Adirondack Crabapple 24. <i>Malus</i> 'Velvet Pillar' Columnar Crabapple 25. <i>Cornus mas</i> Corneliancherry Dogwood 26. <i>Ostrya virginiana</i> Ironwood/Hophornbeam |
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SMALL TREES – FOR THE STREET (IN ORDER OF PREFERENCE OUT OF 153 TREES)

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| <ol style="list-style-type: none"> 1. <i>Acer truncatum</i> Shantung Maple 2. <i>Zelkova serrata</i> 'Schmidtlow' Wireless Zelkova 3. <i>Acer buergerianum</i> Trident Maple 4. <i>Syringa reticulata</i> 'Ivory Silk' Japanese Tree Lilac 5. <i>Malus</i> 'Velvet Pillar' Columnar Crabapple 6. <i>Maackia amurensis</i> Amur Maackia 7. <i>Ostrya virginiana</i> Ironwood/Hophornbeam 8. <i>Koelreuteria paniculata</i> Golden Raintree 9. <i>Syringa pekinensis</i> 'China Snow'
Chinese Tree Lilac | <ol style="list-style-type: none"> 10. <i>Acer griseum</i> Paperbark Maple 11. <i>Malus</i> 'Adirondack' Adirondack Crabapple 12. <i>Acer tartaricum</i> Tartarian Maple 13. <i>Parrotia persica</i> Persian Parrotia 14. <i>Prunus padus</i> 'Drietree' Merlot Bird Cherry 15. <i>Malus</i> 'Royal Raindrops' Royal Raindrops Crab 16. <i>Crataegus ambigua</i> Russian Hawthorn |
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MOST CULTURALLY ADAPTABLE TREES FOR KANSAS CITY (OUT OF 371 TREES)

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| <p>1. <i>Ulmus americana</i> 'New Harmony'
New Harmony Elm</p> <p>2. <i>Quercus macrocarpa</i> Bur Oak</p> <p>3. <i>Ulmus x 'Morton Glossy'</i> Triumph Elm</p> <p>4. <i>Quercus bicolor</i> Swamp White Oak</p> <p>5. <i>Ulmus propinqua</i> 'JFS Bieberich'
Emerald Sunshine Elm</p> <p>6. <i>Ulmus x 'Patriot'</i> Patriot Elm</p> <p>7. <i>Maclura pomifera</i> 'White Shield'
Fruitless Osage Orange</p> <p>8. <i>Quercus x wareii</i> 'Long'
Regal Prince Columnar Oak</p> <p>9. <i>Taxodium d. 'Shawnee Brave'</i>
Columnar Bald Cypress</p> <p>10. <i>Plataus occidentalis</i> Sycamore</p> <p>11. <i>Gymnocladus dioicus</i> 'Expresso'
Kentucky Coffeetree</p> <p>12. <i>Taxodium distichum</i> Bald Cypress</p> <p>13. <i>Ulmus x 'Morton'</i> Accolade Elm</p> <p>14. <i>Acer truncatum</i> Shantung Maple</p> <p>15. <i>Quercus imbricaria</i> Shingle Oak</p> <p>16. <i>Ginkgo biloba</i> 'Autumn Gold' Autumn Gold Ginkgo</p> <p>17. <i>Tilia tomentosa</i> 'Sterling' Sterling Silver Linden</p> <p>18. <i>Ulmus x 'Frontier'</i> Frontier Elm</p> <p>19. <i>Acer x trunc.</i> 'Keithsform'
Norwegian Sunset Maple</p> <p>20. <i>Acer x truncatum</i> 'Warrenred' Pacific Sunset Maple</p> <p>21. <i>Tilia americana</i> 'DTR 123' Princeton Amer. Linden</p> <p>22. <i>Acer x freemanii</i> 'Autumn Blaze'
Autumn Blaze Maple</p> | <p>23. <i>Quercus shumardii</i> Shumard Oak</p> <p>24. <i>Quercus muehlenbergii</i> Chinkapin Oak</p> <p>25. <i>Celtis occidentalis</i> Hackberry</p> <p>26. <i>Ginkgo b.</i> 'Princeton Sentry'
Princeton Sentry Ginkgo</p> <p>27. <i>Platanus x acerifolia</i> 'Bloodgood'
Bloodgood Planetree</p> <p>28. <i>Acer x freemanii</i> 'Armstrong'
Armstrong Col. Maple</p> <p>29. <i>Quercus lyrata</i> Overcup Oak</p> <p>30. <i>Acer miyabei</i> 'Morton'
State Street Miyabe Maple</p> <p>31. <i>Malus</i> Coral Burst & Adirondack Crabapple</p> <p>32. <i>Quercus buckleyi</i> Texas Red Oak</p> <p>33. <i>Euonymus bungeanus</i> Winterberry Euonymus</p> <p>34. <i>Taxodium ascendens</i> Pond Cypress</p> <p>35. <i>Malus</i> Japanese & Professor Springer Crabapple</p> <p>36. <i>Quercus rubra</i> Red Oak</p> <p>37. <i>Ulmus a.</i> 'Valley Forge'
Valley Forge American Elm</p> <p>38. <i>Gleditsia triacanthos</i> Honeylocust</p> <p>39. <i>Acer campestre</i> Hedge Maple</p> <p>40. <i>Corylus colurna</i> Turkish Hazel</p> <p>41. <i>Malus</i>
Donald Wyman & Mary Potter Crabapple</p> <p>42. <i>Acer saccharum</i> 'A.S.'
Autumn Splendor Caddo Maple</p> |
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LONGEST LIVED TREES (IN ORDER OF USEFUL LIFESPAN, OUT OF 371 TREES)

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

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

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

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