## Estimated ${ }^{1}$ Age of Urban Trees by Species and Diameter (DBH)

|  | Tree diameter ( DBH ) in inches |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Species | 5" | 10" | 15" | 20" | 25" | 30" | 35" | 40" | 45" | 50" |
|  | Estimated tree age in years |  |  |  |  |  |  |  |  |  |
| American elm (4) |  | 27 | 38 | 48 | 58 | 67 | 77 | 86 | 95 | 104 |
| Siberian elm (4) |  | 24 | 32 | 39 | 46 | 53 | 59 | 65 |  |  |
| Hackberry (7) |  | 14 | 29 | 50 | 77 | 109 |  |  |  |  |
| Honeylocust (4) |  | 29 | 41 | 52 | 63 | 73 | 84 | 94 |  |  |
| Pear (3) | 6 | 15 | 24 | 34 |  |  |  |  |  |  |
| Green ash (4) |  | 27 | 45 | 63 | 83 | 104 | 126 | 148 | 171 | 194 |
| White ash (3) | 6 | 14 | 21 | 28 | 35 |  |  |  |  |  |
| Silver maple (7) |  | 9 | 18 | 31 | 46 | 65 | 86 | 110 | 136 |  |
| Boxelder maple (4) |  | 23 | 36 | 50 | 64 | 78 |  |  |  |  |
| Sugar maple (4) |  | 33 | 51 | 70 | 88 | 107 |  |  |  |  |
| Red maple (6) | 13 | 23 | 34 |  |  |  |  |  |  |  |
| Black maple (7) |  | 20 | 39 | 64 | 94 | 127 |  |  |  |  |
| Norway maple (4) |  | 28 | 40 | 52 | 63 |  |  |  |  |  |
| London plane (3) | 7 | 16 | 25 | 33 |  |  |  |  |  |  |
| White oak (3) | 11 | 24 | 36 |  |  |  |  |  |  |  |
| Swamp white oak (3) | 9 | 20 | 31 |  |  |  |  |  |  |  |
| Red oak (4) |  | 55 | 75 | 94 | 112 | 130 | 146 | 162 |  |  |
| Bur oak (4) |  |  |  | 134 | 140 | 144 | 148 | 152 |  |  |
| Pin oak (4) |  | 28 | 38 | 46 |  |  |  |  |  |  |
| Lindens (6) | 12 | 21 | 31 | 41 | 53 |  |  |  |  |  |
| Basswood (7) |  | 16 | 31 | 51 | 76 | 104 |  |  |  |  |
| Ginkgo (3) | 12 | 24 | 35 |  |  |  |  |  |  |  |
| Black walnut (6) | 14 | 26 | 41 |  |  |  |  |  |  |  |
| Kentucky coffeetree (3) | 9 | 23 | 36 |  |  |  |  |  |  |  |
| Catalpa (3) | 6 | 13 | 21 | 28 | 36 |  |  |  |  |  |
| Baldcypress (3) | 7 | 18 | 29 |  |  |  |  |  |  |  |
| Poplar (10) | 15 | 28 | 41 | 52 | 61 | 69 | 77 | 84 |  |  |
| White pine (6) | 15 | 26 | 38 |  |  |  |  |  |  |  |
| Scotch pine (4) |  | 52 | 68 | 82 | 95 | 107 | 119 |  |  |  |
| White spruce (6) | 21 | 39 | 61 |  |  |  |  |  |  |  |
| Blue spruce (6) | 17 | 30 | 45 |  |  |  |  |  |  |  |

${ }^{1}$ Estimates are approximate given the significant variation in the growth rates of individual urban trees.
$(\#)=$ source of information for the species. See accompanying page of citations.

Citations for the Table "Estimate age of urban trees by special and diameter (DBH)."

1. de Vries, Roelof E. 1987. A preliminary investigation of the growth and longevity of trees in Central Park. Unpublished MS Thesis, Rutgers University, New Brunswick, NJ.
2. de Vries, Roelof E. 1985. Tree growth of selected species in Central Park. Unpublished Report May 6, 1985.
3. Dwyer, John F. 2010. Unpublished data on the growth of planted street trees in selected suburbs of Chicago. The Morton Arboretum, Lisle IL.
4. Dwyer, John F. 2009. How old is that tree? Illinois Trees: The quarterly publication of the Illinois Arborist Association. Vol. 24, Issue 6, Fall 2009 p. 13.
5. Fleming, Lynn E. 1988. Growth estimates of street trees in central New Jersey. Unpublished MS Thesis, Rutgers University, New Brunswick, NJ.
6. Frelich, Lee E. 1992. Predicting dimensional relationships for Twin Cities shade trees. Unpublished paper. Department of Forest Resources, University of Minnesota - Twin Cities, St. Paul MN.
7. Iakovoglou, Valasia. 2001. Trees examined along a rural-urban gradient and by local land use in the Midwestern US: An investigation of factors related to tree growth. Unpublished MS Thesis. Iowa State University, Ames Iowa.
8. Iakovoglou, Valasia; Thompson, Janette; Burras, Lee and Rebecca Kipper. 2003. Factors related to tree growth across urban-rural gradients in the Midwest, USA. Urban Ecosystems 5: 71-85.
9. Iakovoglou, Valasia; Thompson, Janette and Lee Burras. 2002. Characteristics of trees according to community population level and land us in the U.S. Midwest. Journal of Arboriculture 28, 59-69.
10. Nowak, David J. 1994. Atmospheric carbon dioxide reduction by Chicago's urban forest. pp. 83-94 In: Chicago's urban forest ecosystem: Results of the Chicago Urban Forest Climate Project. GTR NE-186. Radnor PA: U.S. Department of Agriculture, Forest Service, Northeastern Forest Experiment Station. 201 p.
