

**Fall 2024 Bare Root Species List**

Last Updated: 8/01/24

All trees are bare root stock from Schichtel’s Nursery, and approx. 1.25-1.5" in caliper and 7-14’ tall.

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| Species | *Max Qty per Order* | Native | Mature Size  (height x width) | Generally OK under Power Lines |
| **SMALL (up to 30’ tall)** | | | | |
| **CARPINUS CAROLINIANA**  American Hornbeam | 5 | X | 30’x20’ | Full sun or shade, slow growth, tolerates wide range of soils and moisture levels, low salt tolerance, muscle-like trunk |
| **CERCIS CANADENSIS**  Redbud | 4 | X | 25’x30’ | Flat-topped spreading; low branched; purplish-pink flowers; flat leguminous pods; tolerant of drought and many soil types; full sun or slight shade |
| **CRATAEGUS V. 'WINTER KING' \*\***  Green Hawthorn | 3 | X | 25’x25’ | Broad vase shape; tolerant of many soils; heat tolerant; winter fruit retention |
| **MALUS 'PROFUSION'**  Crabapple | 3 |  | 20’x20’ | Upright oval form; full sun; foliage emerges purple tined and fades to dull bronze; violet-red flowers; persistent medium maroon fruit attracts birds; excellent disease resistance to rust and leaf spots |
| **AMELANCHIER LAEVIS 'CUMULUS' \*\***  Serviceberry | 5 | X | 30’x20’ | Narrow, upright oval form; yellow-orange-red fall color; minimal suckering; A. laevis has better resistance to rust and powdery mildew; white flowers and edible fruit |
| **MEDIUM (30-50’)** | | | | |
| **ACER RUBRUM 'REDPOINTE'**  Red Maple | 3 | X | 45’x35’ | Strong central leader; well branched, symmetrical crown; bright red fall color; waxy leaves with decent drought tolerance; red maple overabundant |
| **AESCULUS X 'AUTUMN SPLENDOR'**  Buckeye | 3 | X | 35’x25’ | Produces nuts; yellow-green flowers; maroon-red fall color. Cross of A. glabra, pavia and flava; best used in naturalized settings with deep, moist, slightly acidic soil |
| **CLADRASTIS KENTUKEA**  Yellowwood | 3 | X | 30-50’ x  30-50‘ | Broadly rounded; climate change appropriate; white pendulous fragrant flowers when mature; gray smooth bark; sharp branch angles should be managed while tree is young or susceptible to splitting |
| **GLEDITSIA T.I.'PERFECTION'**  Honeylocust | 5 | X | 45’x35’ | Upright with good branch structure; dark green foliage. One of most droughts tolerant and climate resilient, highly adapted to poor soils and moisture extremes; great street tree; seedless |
| **OSTRYA VIRGINIANA \*\***  American Hophornbeam | 3 | X | 40’x30’ | Upright spreading: shaggy bark adds interest; full sun- shade; climate change appropriate; moderate growth rate, low maintenance, compatible with streets and broad range of urban soils; drought tolerant after established; fruit resembles hops |
| **POPULUS TREMULOIDES 'DANCING FLAME'**  Quaking Aspen | 2 | X | 20-40’x10-15’ | Excellent orange-red fall color; upright; no seed litter/fuzz; single stem; bright white bark; disease resistance to Venturia leaf and shoot blight; while will grow in hot, dry conditions and has drought tolerance, grows most rapidly in well drained moist loam soil |
| **LARGE (50’ and greater)** | | | | |
| **CELTIS OCCIDENTALIS**  Hackberry | 5 | X | 60’x40’ | Irregular rounded form; corky bark; urban adaptable; tolerates adverse conditions; needs room to grow; wildlife value |
| **GYMNOCLADUS D. 'ESPRESSO'**  Kentucky Coffeetree | 5 | X | 60’x40’ | Upright, arching branches present elm-like form; slow growing and awkward youth but gorgeous adulthood; clean branching |
| **QUERCUS ALBA \*\***  White Oak | 3 | X | 40-80’x  40-80 | Deemed climate resilient; pyramidal to broad-rounded; very adaptable to sites; slow growth initially; for large park/yards; sustenance for wildlife; difficult to establish bare root so plant at your own risk |
| **QUERCUS BICOLOR**  Swamp White Oak | 6 | X | 60’x40’ | Excellent heat and drought resistance; superb street tree where sufficient room; easy transplant; exfoliating bark |
| **QUERCUS IMBRICARIA \*\***  Shingle Oak | 3 | X | 50’x60’ | On occasion wider and over 100' tall; for large, full sun lawns; no shade tolerance; moderate growth rate but moisture/nutrition accelerates; often drooping lower branches at maturity; glossy foliage; adaptable, tolerating drier soil but prefers moist, well-drained, acidic to 7.5 pH; leaves persist in winter |
| **LIRIODENDRON TULIPIFERA\*\***  Tuliptree | 3 | X | 60’X30’ | Can grow taller; oval canopy; fast growing; needs lots of room; broadly adapted but doesn't do well on dry or soggy sites; bright yellow showy flowers; seed litter in winter; aphid prone with dripping honeydew; possible branch breakage |
| **PLATANUS OCCIDENTALIS**  American Sycamore | 2 | X | 70’x70’ | Climate resilient; prefers full sun and moist soils with good drainage but not particular about soil pH or texture; requires very large space; strong wood, but littering of twigs/fruits can be messy; moderately deer-resistant yet is a food source for small mammals and songbirds; tolerates being near black walnut, pollution and urban conditions. |
| **TILIA AMER. 'FRONTYARD'**  American Linden | 5 | X | 60-70’x40’ | Great shade and fragrant, pollinator tree; adaptable to various soil types and pH; tolerant of shade; sensitive to heat, prolonged drought, soil compaction and salt; symmetrical, pyramidal habit when young; prune for structure; root suckers; various diseases and pests of linden |
| **ULMUS AMERICANA 'JEFFERSON'**  American Elm | 3 | X | 70’x60’ | Young trees upright with wide, strong crotch union; dark green foliage; Dutch elm disease tolerance; widely adaptable, tolerates wet soil and acid to high pH, climate extremes and urban conditions; this cultivar selected from Washington Mall and released by NPS. |

*\*\*Use with caution. Exceptional planting technique and early care advised. Species considered moderately difficult to plant bare root. No guarantees or refunds.*