

Trees & Shrubs for Landscape – Vijai Pandian, Horticulture Educator, UW Madison Extension – Kenosha, Milwaukee and Racine Counties

Plant name	Zone of cold hardiness	Light	Size	Soil	Growth habit	Features
<i>Aesculus hippocastanum</i> 'Baumannii' Baumann horsechestnut	4	FS	50-75' x 40-70'	Moist, well drained	Upright, oval	Large, double white flowers, no fruit
<i>Aesculus glabra</i> ' JN Select' Early Glow Buckeye	4	FS	35' x 35'	Moist	Oval	Yellow green flowers, few fruits, orange - red fall color
<i>Amelanchier x grandiflora</i> 'Autumn Brilliance' Autumn Brilliance Apple service berry	3	FS, PS	20-25' x 20-25'	Moist, dry soil	Upright, rounded	Brilliant white flowers, newly emerging leaves have purplish tinged, orange – red fall color
<i>Carpinus caroliniana</i> ' JN Select A' ' JN Upright' American hornbeam, muscledwood	3	FS, PS, S	25-30'x 25-30' 20' x 10'	Moist soil	Oval Narrow upright oval	Excellent fall color orange – red, fast growth Slow growing, excellent fall color
<i>Celtis occidentalis</i> ' Chicagoland'	3	FS	50' x 35'	Moist, dry	Broad pyramidal	Adaptable to varying soil condition, urban heat & pH tolerant, strong central leader, sensitive to salt
<i>Cladrastis kentukea</i> American Yellowwood	4	FS	30'-50' x 40-55'	Moist, well drained	Broad rounded	Fragrant white pea shaped pendulous flower, attracts bees, yellow fall color, smooth silver grey bark
<i>Cornus mas</i> Cornelliancherry dogwood	4	FS, PS	20-25' x 10-15'	Moist, well drained	low branch, rounded	Yellow flowers in spring, glossy green leaves, excellent for screening
<i>Corylus colurna</i> Turkish filbert	4	FS	40-50' x 15-30'	Moist, dry	Broad pyramidal	Pyramidal growth habit, fairly adaptable to urban conditions except to road salt, exfoliating bark
<i>Cotinus obovatus</i> American Smoketree	4	FS, PS	20-30' x 20' – 30'	Moist, dry	Upright round	Blue green foliage, pubescent cotton candy inflorescence, scaly gray bark, bright yellow fall color
<i>Fagus sylvatica</i> European Beech	4	FS	60' x 35- 45'	Moist soil	Broad pyramidal	Glossy dark green leaves, adaptable to alkaline soil, smooth gray bark, coppery brown fall color
<i>Ginkgo biloba</i> Ginkgo	4	FS	50-80' x30-50'	Moist, dry	Upright spreading, variable	Fan shaped leaves, adaptable to urban conditions, yellow fall color
<i>Gymnocladus dioicus</i> 'Espresso' Kentucky coffee tree	3	FS	50' x35'	Moist, dry	Upright oval to broad vase	Compare to other cultivars it is a faster growing, better branching structure, bluish green leaves, yellow fall color, adaptable to urban conditions
<i>Heptacodium miconioides</i> Seven son flower	5	FS, PS	15-25' x 10-15'	Moist, dry	Upright spreading	exfoliating barks, fragrant flowers that bloom in fall, provide nectars for fall scavenging bees, after petals drop the capsules are showy

						with bright pink in color. Susceptible to verticillium wilt
<i>Liriodendron tulipifera</i> 'JFS-Oz' Emeral City tulip tree	4	FS	55'x 25-30'	Moist, well drained	Broad conical	The most cold hardy cultivars, strong upright branches, 20% compact, foliage is dark green than other cultivars
<i>Malus spp.</i> Flowering Crabapples	4	FS				Variable growth habit, flowers, fruits, foliage color
<i>Platanus x acerifolia</i> London planetree 'Bloodgood' 'Morton Circle'	4/5	FS	80' x 70'	Moist, dry	Broadly oval	Fast growing, massive tree, maple like leaves, exfoliating bark, with tree colors (cream, olive, light brown), anthracnose resistant
<i>Quercus bicolor</i> Swamp white oak	3	FS	50-60'x 50'	Moist, dry	Broadly round	Easy to transplant, dark green leaves on upper surface and silvery soft on lower side, flaky bark on branches, strong branching structure
<i>Quercus muehlenbergii</i> Chinkapin oak	4	FS	40-50' x 40-50'	Dry soil	Broadly oval	Adapts to high pH, drought tolerant
<i>Tilia tomentosa</i> Silver linden	4	FS	50-70' x 50-70'	Moist, well drained	Upright pyramidal	Bi color – dark green upper surface and silvery white beneath, fragrant flowers, attractive to bees
<i>Ulmus</i> 'Morton Glossy' Triumph elm. <i>Ulmus davidiana</i> var. <i>japanoica</i> 'Morton' Accolda elm	4	FS	50-60' x40-50' 50-70' x40-50'	Dry soil	Upright oval to vase shape with age Vase shaped	Drought tolerant, excellent resistance to dutch elm disease (DED), yellow fall color, easy to train Resistance to DED, elm leaf beetle, good street tree
<i>Taxodium distichum</i> 'Michelson' Shawny brave baldcypress	4	FS	75' x18'	Dry, moist, wet	Upright pyramidal	Soft texture needles, reddish brown fall color, adaptable to varying soil and urban conditions

Light – FS (Full Sun), PS (Part Shade), S (Shade); Size – Height x Wide

References: The Tree Book – Dirr & Warren, Manual of woody landscape plants – Michael Dirr, Ash Alternatives UWEX fact sheet – Dr. Laura Jull, Landscape planning guide – Johnson's Nursery, Tree reference guide - J.Frank Schmidt Nursery, Plant release bulletin -Chicagoland Grows Inc.,.

Deciduous Shrubs for landscape

Plant name	Zone of cold hardiness	Light	Size	Soil	Growth habit	Features
<i>Aesculus parviflora</i> Bottlebrush buckeye	4	Part shade, full sun	8-10' x 10-15'	Moist, well drained	Broad spreading	Dark green palmately compound leaves, 8-12" bottle brush shaped inflorescence, attractive to swallowtail

						butterflies, yellow fall color
Roger's bottlebrush buckeye is a selection of variety serotina that has inflorescence 18-30" long						
<i>Aronia melanocarpa</i> 'Autumn Magic' 'Morton' Autumn Magic black chokeberry; Iroquois Beauty Black chokeberry	3	Part shade, full sun	3-5' x 2-4'; 3 x 5	Moist, dry well drained	Upright; Compact & rounded	Adaptability to urban conditions, small white flowers, borders, large grouping, dark green glossy leaves, deep red - purple fall color, persistent black fruit
Edible fruit cultivars – Nero, Viking, Autumn magic						
<i>Cornus alba</i> 'Baihalo' Ivory Halo Dogwood 'By Boughen' Neon Burst Dogwood	3	Part shade, full sun	5-6' x 5-7'; 5' x 5'	Moist, dry well drained	Compact, rounded; Upright to rounded	Variegated foliage, red twigs, compact; Yellow to chartreuse foliage all summer, Excellent fall color – red, purple & yellow, red twigs, leaf spot resistance
Arctic fire red twig dogwood – compact, 3' tall and spread, red twig						
<i>Cotinus coggygria</i> 'Royal Purple' Smoke bush	5	Full sun	10-15' x 10-15'	Moist, dry well drained soil	Upright spreading	Maroon purple foliage, reddish – purple fall color
<i>Diervilla sessilifolia</i> 'LPDC Podara' Cool Splash Dwarf Bush honeysuckle	4	Full sun, part shade	2.5' x 4.5'	Moist, dry soil	Spreading	Variegated foliage, clusters of yellow flowers in June, adaptable, slow growing
<i>Hydrangea paniculata</i>	4	Full sun, part shade		Moist soil	Upright, round	White – deep pink from

Panicle hydrangea 'Quick Fire' Limelight Pinky Winky			6-8' 8-12' 6-8'			begin flower by early July earlier than others Large, lime green – pink White – pink , two toned–strong upright stem, as the old flowers turn pink, new flowers emerge white
Dwarf panicle hydrangea (3-4')	Little lime (good for container), Bobo (abundant white flowers), Little quick fire (good for container, good fall color)					
<i>Viburnum carlesii</i> 'J.N. Select A' 'J.N. Select S' Korean spice viburnum Spice Island Sugar n'Spice	4	Full sun, part shade	4-5' x 5-6'; 6-8' x 6-8'	Moist, well drained	Compact rounded; Rounded	Fragrant white flowers in spring, wine red fall color, foundation planting, border row Sugar n'Spice – abundant flower; resistant to viburnum leaf beetle
Light – FS (Full Sun), PS (Part Shade), S (Shade); Size – Height x Wide						
References: Johnson's Nursery Catalog, Manual of Woody Landscape plants – M. Dirr, Dave Wanninger's Shrubs for shaded landscape						