

# Landscaping and Grounds Maintenance Short Course

## Woody Plants for Fall Color

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### Large to Medium Sized Landscape Trees (16)

- Freeman maple** (*Acer × freemanii*): 40-60' tall, 35-40' wide, fast growing, native WI hybrid of silver and red maples, zone 3-5 (depends on cultivar), small, reddish flowers in early spring, females produce seeds, full sun, adaptable to most soils, moist, w/d soil, tolerant to wet soil and drought
- 'AF#1' (Firefall<sup>™</sup>): 50' tall, 35' wide, upright to oval form, deeply cut leaves, early, bright orange-red to scarlet fall color, male, wider branch crotch angles, zone 3b
- 'Bailston' (First Editions<sup>®</sup> Matador<sup>™</sup>): 45' tall, 30-40' wide, upright-oval form, later, red to orange-red fall color, zone 4
- 'DTR 102' (Autumn Fantasy<sup>®</sup>), 50' tall, 40' wide, broadly-oval to upright form, deeply lobed leaves, dark ruby-red fall color, fast grower, female, does produce seeds, zone 4
- 'Jeffersred' (Autumn Blaze<sup>®</sup>), 50' tall, 40' wide, dense, oval form, fast grower, orange-red fall color, male, zone 4, tends to produce narrow branch crotches and included bark formation, overused cultivar
- 'Sienna' (Sienna Glen<sup>®</sup>), 50' tall, 35' wide, pyramidal form, good central leader, dense branching but wider branch crotch angles, burgundy-red fall color, zone 3b
- Red maple** (*Acer rubrum*): 40-60' tall, 25-35' wide, native to WI, zone 3b-5 (depends on cultivar), fall color varies, ones below have good fall color and are hardy here, small, red flowers in early spring, females produce seeds, full sun, intolerant to high pH, must have acidic, moist, w/d soil, tolerant to wet soil, intolerant to drought and road salt
- 'Autumn Flame': 45' tall, dense, rounded form, early, bright red fall color, smaller leaves, male, slow grower, zone 4
- Autumn Radiance<sup>®</sup>: 40' tall, 40' wide, oval to rounded, dense form, early, orange-red to red fall color, female, zone 4
- 'Autumn Spire': 45' tall, 20-25' wide, broadly columnar to oval form, male, bright red fall color, zone 3b
- 'Bailcraig' (First Editions<sup>®</sup> Scarlet Jewell<sup>™</sup>): 60' tall, 30' wide, upright form, early, crimson red fall color, zone 3b
- 'Brandywine': 50' tall, 30' wide, oval form, deep red turning purple-red fall color, male, zone 4
- 'Franksred' (Red Sunset<sup>®</sup>): 50' tall, 35' wide, upright oval, dense form, thick leaves, later, bright red fall color, female, zone 4b
- 'Magnificent Magenta' (Burgundy Belle<sup>®</sup>): 45' tall, 30' wide, oval to rounded form, red to burgundy fall color, zone 4
- 'Morgan' (Indian Summer<sup>™</sup>): 45' tall, 40' wide, broadly oval form, early, orange to rosy red fall color, female, zone 4
- 'New World': 40' tall, 20' wide, upright, narrow, oval form, orange-yellow to orange-red fall color, male, zone 4
- 'Northwood': 50' tall, 35' wide, round to oval form, ascending branches, orange-red fall color, male, zone 3b
- 'Olson' (Northfire<sup>®</sup>): 50' tall, 35' wide, broad oval form, early, bright red fall color, zone 3b
- 'Polara' (Rubyfrost<sup>™</sup>): 45' tall, 40' wide, broadly-oval, uniform form, ruby-red fall color, zone 3b
- 'Red Rocket': 35' tall, 10-15' wide, upright narrow to columnar form, fiery red fall color, male, zone 4
- 'Scarsen' (Scarlet Sentinel<sup>®</sup>): 40' tall, 20' wide, upright, narrow form, yellow-orange to red fall color, zone 4

'Somerset': 45' tall, 35' wide, broadly oval to rounded form, bright red fall color, zone 4

'Sun Valley': 40' tall, 35' wide, symmetrical, oval form, bright red fall color, male, zone 4b

**Sugar maple** (*Acer saccharum*): state tree for WI, 60-75' tall, 35-50' wide, upright-oval to rounded form, native to WI, zone 3a-5 (depends on cultivar), bright yellow-orange to orange-red fall color, full sun to partial shade, needs a fertile, moist, w/d soil, no heavy clay, intolerant to drought, wet soils and road salt

'Bailsta' (Fall Fiesta<sup>®</sup>): 50-75' tall, 50' wide, glossy, dark green, leathery leaves, resistant to leaf tatter and leafhoppers, faster grower, resistant to sunscald, nice, yellow-orange to red fall color on the same tree, zone 3

'Barrett Cole' (Apollo<sup>®</sup>): 35' tall, 10-15' wide, narrow, columnar form, yellow-orange to red fall color, zone 4

'Bonfire': 50' tall, 40' wide, broad-oval form, more upright and faster growing, orange-red fall color, zone 4

Commemoration<sup>®</sup>: 50' tall, 40' wide, oval to rounded, dense form, thick, glossy, dark green leaves, yellow-orange to red fall color, fast growing, resistant to leaf tatter, zone 4

'Flax Mill' (Majesty<sup>®</sup>): 60-75' tall, 50-60' wide, symmetrical, oval form, red-orange fall color, resistant to sunscald, zone 4

'Jefcan' (Unity<sup>®</sup>): 40-50' tall, 25-30' wide, upright form, yellow to orange-red fall color, slower growing, zone 3

'JFS-KW8' (Autumn Fest<sup>®</sup>): 50' tall, 35' wide, upright, oval form, dark green leaves, early, orange-red fall color, zone 4, more upright and faster growing than the species

'Morton' (Crescendo<sup>™</sup>): 45' tall, 35' wide, broadly oval form, orange-red fall color, good drought tolerance, zone 4

'PNI 0285' (Green Mountain<sup>®</sup>): 50-75' tall, 35-40' wide, upright-oval form, orange-scarlet fall color, heat tolerant, thick, leathery leaves resist leaf scorch, zone 4

'Sisseton' (Northern Flare<sup>™</sup>): 50' tall, 40' wide, broadly oval form, thick, dark green leaves, orange-red to red fall color, zone 3b, more drought tolerant

'Wright Brothers': 50' tall, 35' wide, oval form, yellow-orange to red fall color, zone 3b, resistant to leaf scorch

subsp. nigrum: black maple, similar to sugar maple but the leaves are glossy, thicker, more leathery with the lobes pointing downward and pubescence on undersides of leaves, greater heat and drought tolerance than sugar maple, native to the Great Plains. The cultivar 'Fall Red' has very nice, red fall color, zone 4

**Homestead buckeye** (*Aesculus × marylandica* 'Homestead'): 35' tall, 25' wide, rounded form, creamy-yellow flowers in spring, showy, orange-red to dark red fall color, scorch resistant leaves, leaf blotch and powdery mildew resistant, few fruit, zone 4, hybrid of Ohio and yellow buckeyes, prefers rich, organic soil, pH adaptable, moist, w/d soil, full sun, intolerant to wet soils, drought and road salt

**Sweet birch** (*Betula lenta*): 40-55' tall, 30-40' wide, pyramidal to rounded form, native to northeastern to eastern U.S., zone 4a, very showy, bright golden yellow fall color, wintergreen smell to crushed twigs, reddish-brown to black bark, full sun, prefers a slightly acidic to neutral pH, cool, moist, w/d soils, no clay, intolerant to drought, resistant to bronze birch borer

**Ginkgo, maidenhair tree** (*Ginkgo biloba*): 50-80' tall, 30-60' wide, slow growing, pyramidal when young becoming wide-spreading with age to upright (male clones), native to eastern China, a living fossil tree, zone 4b, very unique, fan-shaped leaves turn bright, golden-yellow in fall, gray to tan bark, plant only male cultivars as species and females produce very smelly, messy fruit, though, seeds are edible, full sun, adaptable to most soils and pH as long as it is w/d, drought and urban tolerant tree, no pests

'Autumn Gold': 45' tall, 35' wide, broadly pyramidal form, golden yellow fall color, male

'Halka': 45' tall, 40' wide, broadly pyramidal form becoming oval, bright yellow fall color, male

'JFS-UGA2' (Golden Colonnade<sup>®</sup>): 45' tall, 25' wide, narrow oval form, bright yellow fall color, male

'Magyar': 50' tall, 35' wide, narrow, pyramidal form, bright yellow fall color, male

'PNI 2720' (Princeton Sentry<sup>®</sup>): 50' tall, 15-25' wide, narrow, pyramidal form, bright yellow fall color, male

'The President' (Presidential Gold<sup>®</sup>): 50' tall, 40' wide, broadly pyramidal to oval, bright yellow fall color, male

'Woodstock' (Emperor<sup>™</sup>): 50' tall, 35' wide, broadly pyramidal to oval, bright yellow fall color, male

**Thornless honeylocust** (*Gleditsia triacanthos* f. *inermis*): 50-70' tall, 40-50' wide, fast growing, vase-shaped becoming flat-topped with age, native to WI, zone 4a, small leaves turn bright golden yellow in early fall, plant male cultivars below to avoid fruit, thornless, full sun, tolerant to most soils and pH, moist, w/d soil, drought, salt, and wet soil tolerant, pest prone due to overuse, provides filtered shade

'Christie' (Halka<sup>™</sup>): 40' tall and wide, widely oval to rounded form, horizontal branches, can develop some pods

'Draves' (Street Keeper<sup>®</sup>): 45' tall, 20' wide, narrow, strongly upright, tightly pyramidal form, darker green leaves

'Harve' (Northern Acclaim<sup>®</sup>): 35-45' tall, 30-35' wide, symmetrical, upright form to spreading with age, zone 3b

'Impcole' (Imperial<sup>®</sup>): 35-40' tall, 30-35' wide, compact, spreading form, can develop some pods

'PNI 2835' (Shademaster<sup>®</sup>): 50-60' tall, 30-35' wide, symmetrical, upright form, can produce some pods

'Skycole' (Skyline<sup>®</sup>): 45-50' tall, 30-35' wide, broad, pyramidal form, has a central leader and better branching

'Suncole' (Sunburst<sup>®</sup>): 40' tall, 35' wide, irregular, broad-oval form, new growth is bright yellow, very pest prone

True Shade<sup>®</sup>: 40' tall, 35' wide, broadly oval form, better branching, fast grower

**Japanese larch** (*Larix kaempferi*): 70-90' tall, 30-35' wide, pyramidal form with a straight, central leader and horizontal branching, native to Japan, zone 4a, soft, linear, small, blue-green needles in clusters, showy, late, yellow fall color, full sun, prefers a deep, rich, loamy, slightly-acidic to neutral pH, moist, w/d soil, intolerant to drought & shade

'Pendula': 6-12' tall (depending on where it is grafted at the nursery), irregularly drooping, cascading branches, mounded form

**Black-gum, sour-gum, black tupelo** (*Nyssa sylvatica*): 40-50' tall, 30-50' wide, pyramidal form when young becoming rounded, straight, central leader with horizontal branches, native to eastern and central U.S. and was in WI (lost due to development), zone 4b (if from a northern seed source), shiny, leathery, dark green leaves, probably the best tree for fall color, very showy, scarlet to orange-red changing to purple fall color, female trees produce bluish-black fruit, full sun, prefers an acidic to slightly-acidic, moist, w/d soil, but is tolerant to wet soils and drought

**Eyestopper**<sup>®</sup> **corktree** (*Phellodendron amurense* 'Longenecker'): formerly *P. lavalleyi*, 35-40' tall, 45' wide, vase-shaped when young becoming broad-spreading, open, native to northern China and Japan, zone 4a, this cultivar has exceptionally showy, early, bright yellow fall color, showy, older bark is deeply furrowed with a cork-like texture, this is a male cultivar so no fruit or invasiveness issues, full sun, adaptable to most soils and pH, moist, w/d soil, drought tolerant, no pests

**Quaking aspen, trembling aspen** (*Populus tremuloides*): 30-50' tall, 20-30' wide, fast growing, pyramidal to upright form, naturally grows in suckering colonies, native to WI, zone 2a, rounded leaves with flat petioles allows the leaves to flutter in the wind, very showy, bright yellow fall color, smooth, creamy-white bark, full sun, adaptable to most soils and pH, moist, w/d soil, moderate drought tolerance, salt tolerant, short-lived tree due to cankers

'JFS-Column' (Mountain Sentinel<sup>®</sup>): 35' tall, 8' wide, very narrow, fastigate form, yellow fall color, zone 3

'NE-Arb' (Prairie Gold<sup>®</sup>): 40' tall, 15' wide, narrow, oval to pyramidal form, golden yellow fall color, zone 4a

- Golden-larch** (*Pseudolarix amabilis*): 30-50' tall, 20-40' wide, slow growing, broad-pyramidal, wide-spreading form with horizontal branches, native to eastern China, zone 5a, soft, linear, curved, feathery looking needles, very showy, golden-orange fall color, cones disintegrate on the tree before reaching the ground so no mess, full sun, prefers a light, deep, organic, slightly-acidic to acidic, moist, w/d soil, no clay, intolerant to shade, drought, & salt
- White oak** (*Quercus alba*): 60-90' tall, 60-80' wide, slow to moderate growth rate; native to WI, zone 3b, showy, dark red to wine, late fall color, acorns in fall, full sun, prefers a deep, loamy, acidic to neutral soil, no heavy clay; moist, w/d soil, intolerant to high pH and wet soils, can get oak wilt
- Scarlet oak** (*Quercus coccinea*): 70-80' tall, 50-60' wide, moderate to fast growing, pyramidal when young becoming rounded, native to extreme south-central WI, zone 4b, showy, red to scarlet, late fall color, acorns in fall, full sun, prefers a sandy-loam, slightly-acidic soil, no heavy clay, moist, w/d soil, intolerant to high pH and wet soils, susceptible to oak wilt
- Northern red oak** (*Quercus rubra*): 60-75' tall, 50-60' wide, fast growing, pyramidal when young becoming rounded, native to WI, zone 3b, showy, red to russet fall color (can vary), acorns in fall, full sun, prefers a sandy-loam, slightly-acidic soil, no heavy clay, moist, w/d soil, intolerant to high pH and wet soils, susceptible to oak wilt
- Frontier elm** (*Ulmus* 'Frontier'): 35-40' tall, 25-30' wide, broadly oval to pyramidal form with ascending branches, glossy, dark green, small leaves, showy, late, dark burgundy-red fall color, has exfoliating bark like lacebark elm, hybrid of *U. carpinifolia* (smooth-leaf elm) and *U. parvifolia* (lacebark elm), zone 5a, full sun, adaptable to most soils and pH, moist, w/d soil, drought, road salt, and high pH tolerant, resistant to Dutch elm disease

## **Smaller Sized Landscape Trees (9)**

- Emperor 1™ purpleleaf Japanese maple** (*Acer palmatum* 'Wolff'): 15-20' tall and wide, slow grower, broad, open form, native to Japan, Korea, and China, hardy to zone 5, dark red leaves during season, crimson-red fall color, spring foliage emerges up to 2 weeks later than other cultivars, may avoid late spring frost injury, full sun to partial shade, prefers a fertile, organic, loamy soil, no clay, moist, w/d soil, intolerant to drought and road salt
- Korean maple, purple-bloom maple** (*Acer pseudosieboldianum*): 15-25' tall, 15-20' wide, slow grower, rounded form, multi-stemmed, native to Korea and Manchuria, zone 4a, orange-red to reddish-purple fall color, full sun to partial shade, prefers loamy, fertile, moist, w/d soil, no clay, intolerant to drought & road salt, hardier than Japanese maple
- Three-flower maple** (*Acer triflorum*): 20-25' tall, 15-25' wide, slow growing, upright to rounded form, native to Manchuria and Korea, zone 4b, showy, orange fall color, showy, exfoliating, light tan to ashy-gray bark, adaptable to most soils and pH, hardier than paperbark maple, full sun to partial shade, moist, w/d soil, some drought toler.
- Apple serviceberry** (*Amelanchier* × *grandiflora*): 15-30' tall (depends on cultivar), 15-25' wide, upright to rounded form, single or multi-stemmed, no suckers, native WI hybrid of downy and Allegheny serviceberries, zone 3a, showy, white, early spring flowers, edible, tasty, red fruit turning purple in June, yellow-orange to red fall color, smooth, gray bark, prefers slightly acidic, loamy soil, no clay, full sun to partial shade, moist, w/d soil, no drought
- 'Autumn Brilliance'**: 20-25' tall, 15-20' wide, upright, rounded form, orange-red fall color, multi-stemmed
- 'Cole's Select'**: 20' tall, 15-20' wide, upright, spreading form, bright orange-red fall color, multi-stemmed
- 'Forest Prince'**: 15-25' tall, 15-20' wide, upright, oval form, orange-red fall color, multi-stemmed
- 'Princess Diana'**: 20' tall, 20-25' wide, upright, spreading form, red-orange fall color, multi-stemmed
- 'Robin Hill'**: 20-25' tall, 12-15' wide, upright, oval form, pink blush to white flowers, bright red fall color, tree form

- American hornbeam, musclewood** (*Carpinus caroliniana*): rounded, 20-30' tall and wide, slow grower, single to multi-stemmed, oval to rounded form, native to WI, zone 3a, showy, yellow, orange, or red fall color (varies by seed source and cultivar), smooth, dark gray, muscle-like bark, nutlets borne at base of bract arranged in pendulous clusters, full sun to partial shade, prefers a deep, rich, slightly-acidic, loamy, moist, w/d soil, intolerant to drought and road salt  
 'J.N. Globe' (Ball O' Fire<sup>™</sup>): 15' tall and wide, compact, globe-shaped form, orange-red fall color, selected in WI  
 'J.N. Upright' (Firespire<sup>™</sup>): 20' tall, 8-10' wide, narrow, upright, oval form, bright orange-red fall color, single-stemmed form, good for tall hedge or screen  
 'J.N. Strain': 25-30' tall and wide, oval form, seed strain from WI that has orange-red to yellow fall color
- White fringetree** (*Chionanthus virginicus*): 12-20' tall, 6-15' wide, broad, spreading, open form, usually multi-stemmed, native to southeastern U.S., zone 4b, dark green, glossy leaves, golden yellow fall color, very showy, fleecy, fringy-looking, white, fragrant flowers in late May, female plants produce loose clusters of dark blue fruit in late summer, full sun to partial shade, prefers fertile, loamy, moist, w/d soil, pH adaptable
- Washington hawthorn** (*Crataegus phaenopyrum*): 20-30' tall, 20-25' wide, single to multi-stemmed, vase-shaped to broadly oval form, has long, sharp thorns, showy, late, orange to reddish-purple fall color, white flowers in early summer, very showy, glossy, red-orange fruit in clusters from fall through winter, native to eastern U.S., zone 4b, full sun, adaptable to most soils and pH, moist, w/d soils, tolerant to sandy soils and drought
- Autumn Blaze callery pear** (*Pyrus calleryana* 'Autumn Blaze'): 25-35' tall, 20-30' wide, fast growing, upright, pyramidal form becoming oval to rounded, wide branch crotch angles, native to China and Korea, zone 4b, glossy, leathery, dark green leaves, very showy, late reddish-orange to purple fall color, colors earlier than other cultivars, showy, white flowers in mid spring before the leaves, small, rounded, light brown fruit, full sun, adaptable to most soils and pH, moist, w/d soil, tolerant to drought and road salt, many other cultivars, but this one has reliable fall color each year and much better branching
- Korean Sun<sup>™</sup> pear** (*Pyrus fauriei* 'Westwood'): 12-15' tall, 15' wide, compact, rounded form, zone 4, white flowers in mid to late spring with the leaves, glossy, dark green leaves, black fruit, very showy, bright, orange-red to purple red fall color, full sun, adaptable to most soils and pH, moist, w/d soil, tolerant to drought

## Large to Medium Sized Landscape Shrubs (13)

- Brilliant red chokeberry** (*Aronia arbutifolia* 'Brilliantissima'): 6-8' tall, 5-7' wide, upright, rounded, suckering form, native to eastern U.S., zone 4b, showy, red-orange to purple fall color, white flowers in mid spring, very showy, bright red, glossy fruit in clusters in fall, full sun, prefers an acidic to slightly acidic, loamy, moist, w/d soil, tolerant to wet soils, drought, and road salt, intolerant to high pH
- Black chokeberry** (*Aronia melanocarpa*): 5-8' tall, 6-10' wide, upright, rounded, suckering, spreading form, native to WI, zone 3b, glossy, dark green leaves, showy, orange to wine-red fall color, showy, white flowers in mid spring, glossy, black fruit in clusters in fall, full sun, adaptable to most soils and pH, moist, w/d soil, tolerant to wet soil, drought, high pH, and road salt, see cultivars below under small sized landscape shrubs
- Gray dogwood** (*Cornus racemosa*): 10-12' tall and wide, fast grower, wide-spreading, suckering, upright to rounded shrub that forms colonies, native to WI, zone 3b, showy, purple to reddish-purple fall color, creamy-white flowers in late spring at ends of branches, white fruit in late summer to early fall borne on bright reddish-pink stems that persist after fruit is gone, gray stems, full sun to partial shade, adaptable to most soils and pH, moist, w/d soil, tolerant to wet soils and drought, susceptible to leaf spot

'Jade' (Snow Mantle<sup>™</sup>): 12' tall, 8' wide, vigorous, upright form, purple fall color, better disease resistance

'J.N. Red Stem' (Irish Setter<sup>™</sup>): 8-12' tall and wide, upright form, better leaf spot resistance, maroon fall color, tips of twigs turn reddish in winter, suckers slowly compared to species

**Artic Sun**<sup>™</sup> **bloodtwig dogwood** (*Cornus sanguinea* 'Cato'): 3-4' tall and wide, compact, upright growth, suckering, native to Europe, zone 4b, very showy, yellow stems that turn orangish midway up the stem and finish with pinkish-red tips in winter, better plant than the large, 8-10' tall 'Winter Flame' (same as 'Midwinter Fire'), golden yellow fall color, small white flowers in late spring at branch tips, purplish-black fruit in late summer to early fall at ends of stems, full sun to partial shade, adaptable to most soils and pH, moist, w/d soil, tolerant to wet soil, intolerant to drought

**Large fothergilla, witch-alder** (*Fothergilla major*): 6-10' tall, 5-8' wide, slow grower, dense, rounded form, native to southeastern U.S., zone 4b, very showy, late, yellow-orange to red fall color, white, fragrant, bottle-brush-like flowers in mid spring, full sun to partial shade, prefers an acidic to slightly acidic, sandy-loam, moist, w/d soil high in organic matter, intolerant to drought and road salt, protect from rabbits in winter

'Blue Shadow': 5-6' tall, 4-5' wide, dusty, blue leaves, great fall color

'KLMfifteen' (Red Monarch<sup>™</sup>): 6-8' tall, 4-6' wide, uniform, upright, dense growth, very showy, red, orange and yellow fall color

Mt Airy: actually a hybrid of large and dwarf fothergilla, 5-6' tall, 3-4' wide, upright, rounded form, dark, blue-green leaves, larger, more abundant flowers, yellow, orange, and red fall color

**Vernal witchhazel** (*Hamamelis vernalis*): 6-10' tall, 10-15' wide, dense, rounded to irregular form, suckering, native to south central U.S., zone 4b, blue-green leaves, showy, late, bright golden-yellow fall color, very early, fragrant, yellow to orange flowers with red interiors in late winter, flowers have strap-like, thin petals that curl backwards, full sun to full shade, prefers loamy, acid to slightly acid, moist, w/d soil, tolerant to wet soil, intolerant to drought, high pH, and road salt, retains old leaves into winter

'KLMnineteen' (Autumn Embers<sup>™</sup>): reddish-purple fall color is actually more yellow-orange than red, orange flowers, retains lots of older leaves in winter

'Kohankie Red': red, fragrant flowers in late winter

'Sandra': soft, yellow flowers that open a bit later than the species, loses more of the older leaves during winter than other cultivars, orangish-yellow fall color

**Common witchhazel** (*Hamamelis virginiana*): 15-20' tall, 20-25' wide, small tree to large shrub, upright, open, wide-spreading form, native to WI, zone 3b, showy, bright yellow fall color at the same time as the small, yellow, slightly fragrant flowers in late October, flowers have strap-like, thin petals that curl backwards, full sun to full shade, prefers loamy, acid to slightly acid, moist, w/d soil, intolerant to drought, high pH, and road salt

**Winterberry, Michigan holly** (*Ilex verticillata*): size is dependent on cultivar, 3-10' tall and wide, slow growing, oval to rounded form, suckering, native to WI, zone 3b, not much for foliar fall color but very showy, bright red, orange, or yellow fruit (depends on cultivar) throughout fall, fruit turns a dark red in winter, full sun to partial shade, prefers wet, acid soils high in organic matter, but will tolerate a moist soil, intolerant to drought and high pH, make sure to plant a male flowering cultivar near a female flowering cultivar that flowers during the same time, many cultivars

Afterglow: slow growing, dense shrub, 6' tall, glossy-green leaves, reddish-orange fruit, early flowering, female, best pollinate by 'Jim Dandy'

Goldfinch: gold fruit, use 'Jim Dandy' as male pollinator, 3-4' tall

Jim Dandy: male cultivar used to pollinate early flowering cultivars, 3-6' tall

Oosterwijk: from The Netherlands, bright red, persistent fruit, use 'Southern Gentlemen' as male, 4-6' tall

Red Sprite: excellent, dwarf, compact shrub, large, bright red fruit produced on 3-4' tall plant, compact form, early bloomer so best pollinated with 'Jim Dandy', very persistent fruit

'Scarlet O'Hara': 8-10' tall, bright red, persistent fruit, use 'Southern Gentlemen' or 'Jim Dandy' as male pollinator

'Southern Gentleman': male cultivar used to pollinate later flowering cultivars, 6-9' tall

'Spravy' (Berry Heavy®): large, bright red fruit, use 'Jim Dandy' as male, 6-8' tall

'Spriber' (Berry Nice®): dark red fruit, use 'Jim Dandy' as pollinator, 6-8' tall

'Stoplight': 8-10' tall, large, bright red fruit, use 'Jim Dandy' as male pollinator

'Winter Gold': gold fruit, use 'Southern Gentleman' as male, 6-8' tall

'Winter Red': 6-8' tall, oval form, dark green foliage, large, bright red fruit, use 'Southern Gentleman' as the pollinator, leggy, coarse texture

**Prairie Flame**® winged sumac or shining sumac (*Rhus copallinum* 'Morton'), (formerly *R. copallina* var. *latifolia*):

5-7' tall, 6-8' wide (smaller than the species), fast growing, compact, dense shrub, suckering, native to WI, zone 4b, very glossy, dark green leaves shine in the sunlight, very showy, early, bright red to scarlet fall color, male clone so no fruit, full sun, adaptable to most soils and pH, drought and salt tolerant, tolerates very dry, rocky soils

**First Editions**® **Tiger Eyes**® cutleaf staghorn sumac (*Rhus typhina* 'Bailtiger'): 6' tall and wide (much smaller than the species), native to WI, zone 3b, upright, rounded form, bright chartreuse new, lacy leaves turning bright yellow throughout the summer, pinkish-rose, fuzzy stems and rachis, bright yellow to orange-red fall color, grows slowly, but does sucker, full sun only, adaptable to most soils and pH as long as the soil is w/d, drought and salt tolerant

**Koreanspice viburnum** (*Viburnum carlesii*): 5-8' tall, 6-8' wide, slow grower, compact, rounded, dense shrub, native to Korea, zone 4b, very fragrant, white flowers in May, full sun to partial shade, loamy, fertile, moist, w/d soil, no clay, intolerant to wet soils and poor drainage, protect from rabbits in winter, cultivars below are better

'J.N. Select' (Spiced Bouquet™): glossy, summer leaves, 4-6' tall, 5-7' wide, dense, compact, rounded form, wine-red fall color

'J.N. Select A' (Spice Island™): compact form, better branching and form than species, 4-5' tall, 5-6' wide, wine-red fall color

'J.N. Select S' (Sugar n' Spice™): smaller flowers, but more of them, 6-8' tall and wide, wine-red fall color

**Arrowwood viburnum** (*Viburnum dentatum*): 6-12' tall (depends on cultivar), 6-8' wide, upright, suckering form, native to central and eastern U.S., zone 4a, fall color varies from yellow to red to purple, pleated leaves, showy, creamy-white flowers in late spring, dark blue fruit in late summer to early fall, full sun to partial shade, adaptable to most soils and pH, moist, w/d soil, lots of cultivars, only a few have reliable, good fall color

'KLMthree' (Cardinal™): 10-12' tall and wide, bright red fall color

'KLMsix' (Crimson Tide™): 10-12' tall and wide, blazing red fall color

'Klmseven' (Red Regal™): 10-12' tall and wide, brilliant reddish-orange fall color

'J.N. Select' (Red Feather®): 8-10' tall and wide, maroon and green new leaves in spring, reddish-purple fall color

**Wavecrest Siebold viburnum** (*Viburnum sieboldii* 'Wavecrest'): 10-12' tall, 6-8' wide, vigorous, upright, oval form, small tree to large shrub, native to Japan, zone 5a, large, wrinkled, bright green leaves with impressed veins provides nice texture, this particular cultivar has excellent dark red to burgundy fall color, hardier than the species with larger leaves and larger, creamy-white flowers in late May, red fruit turns black and are borne on bright red stalks that persist, full sun to partial shade, adaptable to most soils and pH, moist, w/d soil, intolerant to drought, from Wavecrest Nursery in southwestern Michigan, hard to find here, but they do mail-order

## Small Sized Landscape Shrubs (12)

**Black chokeberry** (smaller cultivars) (*Aronia melanocarpa*): see culture under black chokeberry above

'Autumn Magic': more compact, 4-5' tall, 4' wide, compact, upright form, red and purple fall color

'Morton': Iroquois Beauty<sup>™</sup>, compact form, 2-3' tall, 4-5' wide, compact, rounded, open, spreading form

'Professor Ed': 4' tall and wide, dense shrub, smaller leaves, better form, wine-red fall color

'Viking': dark, glossy leaves, flowers earlier than straight species, 3-5' tall, large, persistent, black fruit

**Japanese barberry** (*Berberis thunbergii*) (non-invasive cultivars only): size and form are dependent on cultivar, native to Japan, zone 4a, late, showy, orange to wine-red fall color, has spines down stems, full sun, adaptable to most soils and pH, moist, w/d soil, drought and salt tolerant, many cultivars are invasive, ones below produce less seed and are considered o.k. to use along with other cultivars not listed (too many)

'Aurea': 3-5' tall, dense, slow grower, yellow foliage throughout summer (7 seeds/fruit)

'Bagatelle': 1-1 ½' tall, compact, rounded form, deep, dark red leaves (5 seeds/fruit)

'Bogozam' (Bonanza Gold<sup>®</sup>): 1 ½-2' tall, dwarf, slow grower, gold foliage throughout summer, (108 seeds/fruit)

'Concorde': 2' tall, 2-3' wide, dwarf, compact, mounded form, velvety, deep purple leaves (254 seeds/fruit)

'Gentry' (Royal Burgundy<sup>®</sup>): 1 ½-2' tall, 2-3' wide, compact, mounded form, velvety, burgundy leaves, (106 seeds/fruit)

'Helmond Pillar': 3-5' tall, 2' wide, narrow, upright form, purple leaves (153 seeds/fruit)

'Monlers' (Golden Nugget<sup>™</sup>): 1 ½' tall, 2-3' wide, compact, rounded form, golden foliage throughout summer with a slight orange overcast to leaf tips (22 seeds/fruit)

**Cranberry cotoneaster** (*Cotoneaster apiculatus*) 2-3' tall, 4-6' wide, wide-spreading, stiff, horizontal, arching branches, native to China, zone 4b, showy, late, reddish-purple to bronze fall color, small, pink flowers in mid spring, showy, cranberry-red fruit late summer to fall, full sun, adaptable to most soils and pH, moist, w/d soil, drought tolerant but intolerant to poor drainage and wet soil, protect from rabbits and voles in winter, use as a tall groundcover or cascading over rocks or walls

**Rudy Haag burning bush or winged euonymus** (*Euonymus alatus* 'Rudy Haag'): dwarf, non-invasive form, little to no fruit, 4-5' tall and wide, compact, rounded form, horizontal branches, slow grower, pinkish-red to red fall color, full sun for best fall color, adaptable to most soils and pH as long as soil is w/d, intolerant to wet soil, needs less shearing as is slower growing, protect from rabbits in winter

'Odom' (Little Moses<sup>™</sup>): new cultivar from TN, 3' tall and wide, compact form, non-invasive, no fruit, slow growing, bright red fall color holds longer in fall, needs less shearing as is slower growing

**Klein Autumnal forsythia** (*Forsythia viridissima* 'Klein Autumnal'): 2-3' tall and wide, compact, wide-spreading, upright form, native to China, zone 5a (flower buds), small, very narrow leaves, similar to 'Bronxensis' except the fall color is burgundy and has sporadic flowering in fall at the same time as the fall color, can bloom yellow flowers in spring during mild winters, full sun, adaptable to most soils and pH, moist, w/d soil, drought tolerant

**Dwarf fothergilla, dwarf witch-alder** (*Fothergilla gardenii*) 2-4' tall, 2-4' wide, slow grower, dense, rounded form, native to southeastern U.S., zone 4b, very showy, late, yellow-orange to red fall color, white, fragrant, bottle-brush-like flowers in mid spring, full sun to partial shade, prefers an acidic to slightly acidic, sandy-loam, moist, w/d soil high in organic matter, intolerant to drought and road salt, protect from rabbits in winter

'Blue Mist': 2-3' tall, 3-4' wide, blue-green leaves, mounded form, yellow-orange fall color, not a strong grower

'KLMtwo' (Beaver Creek<sup>®</sup>): 3-4' tall and wide, compact, uniform, rounded habit, red-orange fall color

'Windy City': 3-4' tall and wide, yellow to orange-red fall color, mounded, upright form

**Virginia sweetspire** (*Itea virginica*): 3-5' tall and wide, native to eastern and southern U.S., zone 5, showy, long, pendulous, white, fragrant flowers in June, very showy, dark orange-red to reddish-purple fall color, full sun to shade, requires an acidic, fertile, moist soil, tolerant to wet soil and drought, intolerant high pH

'Henry's Garnet': compact, mounded form, has longer, white flowers, reddish-purple fall color, 3-5' tall, 4-6' wide

'Merlot': similar to 'Henry's Garnet' but has reddish-purple fall color, 3-4' tall

'Morton' (Scarlet Beauty<sup>™</sup>): new from Morton Arboretum, large, upright form, scarlet fall color, more cold hardy (zone 4b) and better slightly higher pH tolerance than other cultivars, 4' tall

'Sprich' (Little Henry<sup>®</sup>): dwarf, low, mounded form, 2-3' tall, 3' wide, red fall color

**Red Sprite winterberry** (*Ilex verticillata* 'Red Sprite' (female) and 'Jim Dandy' (male): excellent, dwarf, compact shrubs, 'Red Sprite' has large, bright red fruit produced on 3-4' tall plant, compact form, early bloomer so best pollinated with 'Jim Dandy', very persistent fruit, see above for cultural information

**White Lights rhododendron** (*Rhododendron* (Northern Lights Series) 'White Lights': 5-6' tall and wide, rounded form, slow grower, hybrid origin, zone 4a, light pink in bud opening to large, fragrant, white flowers with a pink blush at first, showy, red-orange to bronzy-purple fall color, full sun to partial shade, no deep shade or else no flowers, requires a rich, organic, fertile, cool, slightly acidic to acidic soil high in organic matter, moist, w/d soil, intolerant to wet soils, drought, high pH, clay, and road salt

**Gro-low fragrant sumac** (*Rhus aromatica* 'Gro-low'): 2-3' tall, 6' wide, low, wide-spreading form, suckering, native to WI, zone 3b, glossier leaves compared to the species, showy, orange, red to purple fall color, used as a tall groundcover, full sun to partial shade, adaptable to most soils and pH, drought and salt tolerant

**Tor birchleaf spirea** (*Spiraea betulifolia* 'Tor'): 3-4' tall, 3-4' wide, fast grower, compact, mounded shrub, native to Japan, zone 4a, gray-green leaves, very showy, late, orange turning to reddish-purple fall color, showy, white, terminal flowers in late spring full sun, adaptable to most soils and pH, moist, w/d soil, intolerant to wet soil, but is drought tolerant, non-invasive

**Witherod viburnum** (*Viburnum cassinoides*): 4-6' tall and wide, compact, rounded form, native to WI, zone 3b, bronze new leaves turning dark green and leathery, orange-red to crimson purple fall color, showy, creamy-white flowers in flat-topped clusters in late June, very showy fruit starts green changes to bright pink then blue and finally to black, fruit showy in late summer, often has multi-colored fruit clusters, full sun to partial shade, loamy, fertile, slightly acidic soil, but is adaptable, tolerant to wet soil, very underused native shrub

'KLM B' (Buccaneer<sup>™</sup>), 'KLM C' (Challenger<sup>™</sup>), 'KLM D' (Defender<sup>™</sup>), 'KLM E' (Endeavor<sup>™</sup>), and (Freedom<sup>™</sup>) are new cultivars from Beaver Creek Nursery, fall color seems good. Differences between the cultivars are not known yet.

## Vines (2)

**Engelmann Virginia creeper** (*Parthenocissus quinquefolia* var. *engelmannii*): climbing vine up to 30' or more, fast grower, native to WI, zone 3b, this variety has smaller leaves than the species and a finer texture, lies flat against a wall, very showy, early, red to reddish-purple fall color, climbs by tendrils, bluish-black fruit borne on bright red stalks that persist, full sun to full shade, adaptable to most soils and pH, moist, w/d soil, can grow in poor, sandy soil and is drought and salt tolerant

**Boston ivy, Japanese creeper** (*Parthenocissus tricuspidata*): climbing vine up to 50' tall or more, moderate to fast grower, native to China and Japan, zone 4b, lies flat against a wall, very showy, orange to reddish-purple fall color, climbs by tendrils, bluish-black fruit borne on bright red stalks that persist, full sun to partial shade, adaptable to most soils and pH, moist, w/d soil