CITY OF STOUGHTON
DEPARTMENT OF
PLANNING & DEVELOPMENT
207 S. Forrest Street, Stoughton, WI. 53589

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RODNEY J. SCHEEL
DIRECTOR

Date: March 1, 2021

To: Plan Commissioners and Common Council

From: Rodney J. Scheel
Director of Planning & Development

Michael P. Stacey
Zoning Administrator

Subject: Agenda Item for the March 8, 2021 Plan Commission Meeting and Common Council Meeting of March 23, 2021

Proposed amendments to the zoning code to update the landscaping species list.
The Stoughton Tree Commission has been working on an updated species list for several years. See provided summary from the Tree Commission. A public hearing and recommendation to the Common Council is necessary. Staff recommends approval.

Date: January 19, 2021

To: City of Stoughton Planning Department and Plan Commission

From: City of Stoughton Tree Commission

Subject: Proposed modifications of City Landscaping Ordinance

2439 County Rd A
Stoughton, WI 53589

During the Public Works Committee meeting held on August 15th, 2017, City of Stoughton Alderperson Majewski requested the "Review and update of the landscape point system for commercial development." Specifically, "asking if the landscaping planting points are current with other communities and <he> feels that the city is lacking in diversity when planting."

During the September 14th, 2017, Tree Commission Meeting, Public Works Director Hebert clarified the task to 'Discuss and Recommend changes to the Stoughton Municipal Zoning Ordinance: Appendix B'. Furthermore, "the Planning Department requested that the Tree Commission review the trees in this ordinance for the purpose of making sure the street trees planted meet the city standards."

The City of Stoughton Tree Commission, including the City Forester, reviewed the Ordinance (ARTICLE VI. - LANDSCAPING AND BUFFERYARD REGULATIONS) including the landscape point system (Sec. 78-603 and Table 78-603), Appendix B (LANDSCAPING CHARTS AND CHECKLISTS, Detailed Classification of Plant Species) and the associated text which refers to Appendix B (Sec. 78-611. - Classification of plant species).

Key decisions and proposed modifications from the review include:

1. The landscaping point system should not be changed. Modification of the point system (Sec. 78-603 and Table 78-603) is beyond the scope of the Tree Commission as landscaping points are critical components throughout Article VI. Changing the point system would require rewriting the entire Article VI and would require the City Zoning Administrator and City Plan Commission.
2. The species list (Appendix B) was reviewed and attached draft modified by:
    a. Reflecting current needs of the urban forest by demoting species with disproportionate representation in the urban forest (e.g. Acer spp).
    b. Removing invasive species.
    c. Removing disease prone or poor performing species.
    d. Simplifying the interpretation of the list by including landscaping points and removing cultivars, growth rate, form and adaptation/remarks fields. This was done in recognition of the knowledge of the landscape contractor conducting the planting and the immense breadth of potential information that could be included.
3. Table 78-611 should be removed to reduce redundancy with Appendix B.
4. The attached draft text for Sec. 78-611, which references Table 78-611 and Appendix B was modified to reflect changes above and to direct inquiries to the City Forester and/or the City Tree Commission instead of the Zoning Administrator.

CITY OF STOUGHTON, 207 S. Forrest Street, Stoughton, WI 53589

ORDINANCE OF THE COMMON COUNCIL		
Amending Chapter 78, Zoning Code as follows: Amend Section 78-611, Repeal and Remove Table 78-611 and Repeal and Recreate Appendix B of the Stoughton Municipal Code		
Committee Action:	Plan Commission recommends approval - 0	
Fiscal Impact:	None	
File Number:	O - - 2021	**Date Introduced:**

The Common Council of the City of Stoughton do ordain as follows:

1. Amend Sec. 78-611 – Classification of plant species.

For the purpose of this chapter, plant materials are classified into 13 groupings: "climax tree", "tall deciduous tree", "medium deciduous tree", "low deciduous tree", "tall evergreen tree", "medium evergreen tree", "low evergreen tree", "tall deciduous shrub", "medium deciduous shrub", "low deciduous shrub", "medium evergreen shrub", "low evergreen shrub", and non-contributory plants. Species suitable for landscaping use and compatible with Dane County climate and soil factors are listed in ~~Table 78-611~~ Appendix B~~, below~~. The ~~zoning administrator~~ City Forester and/or City Tree Commission shall review proposals for, and the applicability of, species not contained in this list and is authorized to approve appropriate similar species. ~~See Appendix B for a very detailed listing of plant species and characteristics.~~

2. Repeal and Remove Table 78-611: Classification of Plants

~~**Climax Trees (75 Landscaping Points)**~~			~~**Low Deciduous Trees (10 Landscaping Points)**~~	
~~**Botanical Name**~~	~~**Common Name**~~		~~**Botanical Name**~~	~~**Common Name**~~
~~Acer saccharum~~	~~Sugar Maple~~		~~Amelanchier sp.~~	~~Serviceberry~~
~~Ginkgo biloba~~	~~Ginko~~		~~Crataegus sp.~~	~~Hawthorn: Cockspur, Downy, Washington~~
~~Quercus sp.~~	~~Oak: Red, White, Pin~~		~~Malus sp.~~	~~Crabapple sp.~~
~~**Tall Deciduous Trees (30 Landscaping Points)**~~			~~**Tall Evergreen Trees (40 Landscaping Points)**~~	
~~**Botanical Name**~~	~~**Common Name**~~		~~**Botanical Name**~~	~~**Common Name**~~
~~Acer sp.~~	~~Maple: Red, Silver~~		~~Abies concolor~~	~~White Fir~~
~~Gleditsia triancanthos~~	~~Honeylocust~~		~~Pinus sp.~~	~~Pine: Red, White, Scots~~
~~Populus grandidentata~~	~~Bigtooth Aspen~~		~~Tsuga Canadensis~~	~~Canada Hemlock~~
~~Tilia sp~~	~~Linden: Basswood, Littleleaf, Redmond~~			

~~**Medium Deciduous Trees (15 Landscaping Points)**~~			~~**Medium Evergreen Trees (20 Landscaping Points)**~~	
~~Botanical Name~~	~~Common Name~~		~~**Botanical Name**~~	~~**Common Name**~~
~~Betula sp.~~	~~Birch: River, Paper~~		~~Thuja occidentalis~~	~~American Arborvitae~~
~~Prunus sp.~~	~~Cherry: Choke, Pin~~			
~~Salix sp.~~	~~Willow~~			
~~**Low Evergreen Trees (12 Landscaping Points)**~~			~~**Low Deciduous Shrubs (1 Landscaping Point)**~~	
~~**Botanical Name**~~	~~**Common Name**~~		~~**Botanical Name**~~	~~**Common Name**~~
~~Juniperus sp.~~	~~Juniper: Mountbatten, Redcedar~~		~~Berberis thunbergii~~	~~Japanese Barberry~~
~~Thuja sp.~~	~~Arborvitae: Pyramidal, Techny~~		~~Spiraea sp.~~	~~Spirea: Froebel, Snowmound~~
~~**Tall Deciduous Shrubs (5 Landscaping Points)**~~			~~**Tall Medium Evergreen Shrubs (5 Landscaping Points)**~~	
~~**Botanical Name**~~	~~**Common Name**~~		~~**Botanical Name**~~	~~**Common Name**~~
~~Cornus sp.~~	~~Dogwood: Grey, Pagoda~~		~~Juniperus chinensis~~	~~Juniper: Pfitzer~~
~~Syringa sp.~~	~~Lilac: Chinese, Hyacinth~~		~~Taxus sp.~~	~~Yew: Japanese~~
~~Viburnum sp.~~	~~Viburnum: Arrowwood, Wayfaringtree, Nannyberry~~			
~~**Medium Deciduous Shrubs (3 Landscaping Points)**~~			~~**Low Evergreen Shrubs (3 Landscaping Points)**~~	
~~**Botanical Name**~~	~~**Common Name**~~		~~**Botanical Name**~~	~~**Common Name**~~
~~Corylus americana~~	~~American Filbert, Hazelnut~~		~~Juniperus sp.~~	~~Juniper: Sargent, Creeping, Andorra~~
~~Cotoneaster sp.~~	~~Cotoneaster~~			
~~Forsynthia sp~~	~~Forsythia: Border, Early, Weeping~~			
~~Rosa sp.~~	~~Rose: Virgina, Rugosa~~			

3. Repeal and Recreate Appendix B Landscaping Charts

APPENDIX B LANDSCAPING CHARTS AND CHECKLISTS

Detailed Classification of Plant Species

~~Detailed Classification of Plant Species: Climax Trees (75 landscaping points)~~

~~Botanical Name~~	~~Common Name~~	~~Growth Rate~~	~~Form~~	~~Adaptation and Remarks~~
~~*Acer saccharum RF~~	~~Sugar Maple~~	~~S~~	~~Round~~	~~Rich soil; salt-sensitive; oval when young; yellow, orange or scarlet fall color.~~
~~"Green Mountain"~~				~~Scorch-resistant; leathery leaves.~~
~~*Carya ovata RF~~	~~Shagbark Hickory~~			~~Native and very adaptable, salt-sensitive, fruit-nut, lawn tree.~~

~~Ginkgo bilboa~~	~~Ginkgo~~	~~S~~	~~Pyramidal~~	~~Very urban, dioecious, females produce smelly fruits, golden yellow fall color.~~
~~"Fastigiata"~~	~~Sentry Ginkgo~~		~~Columnar~~	~~Seedless.~~
~~Juglans nigra RF~~	~~Walnut Eastern Walnut Black Walnut~~	~~F~~		~~Best in public open spaces or lawns; not to be used as a street tree; poisonous to other plants within the drip zone; susceptible to caterpillars and leaf spot disease.~~
~~*Quercus alba RF~~	~~White Oak~~	~~S~~	~~Round~~	~~Extremely sensitive to soil compaction; tolerant of urban conditions; dry soil; subject to iron chlorosis; red fall color; very difficult to transplant; excellent lawn or shade tree.~~
~~*Quercus bicolor RF~~	~~Swamp White Oak~~	~~S~~	~~Round~~	~~Very tolerant of urban conditions; moist to wet, intolerant of alkaline soil; tolerates poor drainage; difficult to transplant; yellow fall color.~~
~~*Quercus macrocarpa RF~~	~~Bur Oak Mossycup Oak~~	~~S~~	~~Round~~	~~Sensitive to soil compaction; tolerant of urban conditions; dry to wet soil; no fall color; very difficult to transplant.~~
~~*Quercus palustris~~	~~Pin Oak~~	~~M~~	~~Pyramidal~~	~~Sensitive to soil compaction; tolerant of urban conditions; moist, acid soil; pendulous lower branches; red fall color; iron chlorosis on alkaline soil; lawn tree; cultivar "Sovereign" best for streets.~~
~~*Quercus rubra RF (also known as Quercus Borealis)~~	~~Northern Red Oak Red Oak~~	~~M~~	~~Round~~	~~Sensitive to soil compaction; tolerant of urban conditions; pyramidal when young; red fall color; well-drained soil; fast-growing for oaks; excellent lawn, shade, and street tree.~~
~~KEY: *Wisconsin native S=Slow M=Medium F=Fast~~				

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~~Detailed Classification of Plant Species: Tall Deciduous Trees (30 landscaping points)~~

~~Botanical Name~~	~~Common Name~~	~~Growth Rate~~	~~Form~~	~~Adaptation and Remarks~~
~~Acer nigrum~~	~~Black Maple~~	~~M~~	~~Oval~~	~~Does well in poor, dry soils; red to bright gold fall color; excellent for lawn, shade, or street.~~
~~*Acer rubrum RF~~	~~Red Maple Scarlet Maple Swamp Maple~~	~~F~~	~~Round~~	~~Moist, acid soil; tolerates poor drainage; smooth gray bark; yellow, orange, or red fall color; salt-sensitive.~~
~~"Armstrong"~~			~~Fastigiate~~	~~No fall color; light gray bark.~~
~~"Autumn Flame"~~				~~Early scarlet fall color.~~
~~"Bowhall"~~			~~Oval~~	~~Orange fall color~~
~~"Red Sunset"~~				~~Late, scarlet fall color.~~
~~"Schlesingeri"~~				~~Red-orange fall color.~~
~~*Acer saccharinum RF~~	~~Silver Maple Soft Maple White Maple River Maple~~	~~F~~	~~Vase~~	~~Heart and fast-growing; most soil; tolerates poor drainage; fine-textured; weak-wooded (develops heart rots after fifty years, limbs may fall); yellowish or no fall color~~
~~"Blair"~~		~~Very Fast~~		~~Strong branch structure; storm-resistant.~~
~~"Pyramidale"~~	~~Upright Silver Maple~~		~~Pyramidal~~	~~Improved branch structure.~~

~~"Silver Queen"~~	~~Seedless Sugar Maple~~		~~Round~~	~~Seedless~~
~~"Wieri"~~	~~Cutleaf Sugar Maple~~			~~Shredded leaves; pendulous branches.~~
~~Aesculus hippocastanum~~	~~Horsechestnut~~	~~M~~	~~Round~~	~~Urban; course; showy, white May flowers; litter problem; no fall color; difficult to transplant; pest or disease problems may limit use.~~
~~Alnus glutinosa~~	~~European Alder Black Alder~~	~~F~~	~~Oval~~	~~Rich or wet soils; produces catkins; possible winterkill.~~
~~Betula lutea~~ ~~RF~~	~~Yellow Birch~~	~~M~~	~~Round~~	~~Drooping branches; moist well-drained soils; yellow-orange bark; rusty yellow fall color.~~
~~Catalpa speciosa~~	~~Northern Catalpa~~	~~F~~	~~Oval~~	~~Poor, dry soil; showy, white June flowers; coarse; litter problem; no fall color.~~
~~*Celtis occidentalis~~ ~~RF~~	~~Common Hackberry~~	~~M~~	~~Vase~~	~~Tolerates alkaline soils; "pebbled" bark; yellowish fall color; pest or disease problem may limit use.~~
~~*Fagus grandifolia~~ ~~RF~~	~~American Beech~~	~~S~~	~~Oval~~	~~Moist, rich soil; smooth, gray bark; yellow-bronze fall color; difficult to transplant; salt-sensitive; sensitive to soil compaction.~~
~~Fagus sylvatica~~	~~European Beech~~	~~S~~	~~Round~~	~~Moist, rich soil; less difficult to transplant than American Beech; several cultivars available; excellent lawn tree.~~
~~*Gleditsia triancanthos inermius~~	~~Thornless Honeylocust~~	~~F~~	~~Vase~~	~~Tolerates poor drainage; thornless, as are all of the following; pest or disease problem may limit use; salt-tolerant; yellow fall color.~~
~~"Imperial"~~			~~Round~~	~~Podless; low-growing; flat-topped; pest or disease problem may limit use.~~
~~"Shademaster"~~			~~Irregular~~	~~Podless; vase shape in age; pest or disease problem may limit use.~~
~~"Skyline"~~			~~Upright~~	~~Podless; tends to form central leader; good golden fall color; pest or disease problem may limit use.~~
~~"Sunburst"~~			~~Irregular~~	~~Podless; yellow new foliage; poor branch structure; pest or disease problem may limit use.~~
~~*Gymnocladus dioica~~	~~Kentucky Coffeetree~~	~~M~~	~~Upright~~	~~Moist, rich soil; coarse and rugged; dioecious; yellowish fall color.~~
~~Juglans cinerea~~ ~~RF~~	~~Butternut~~	~~S~~		~~Needs good soil and consistent moisture; fairly good shade tree; susceptible to butternut decline.~~
~~Larix decidua~~	~~European Larch~~	~~F~~	~~Pyramidal~~	~~Full sun; graceful, fine-textured; transplant in spring before buds open; yellow fall color.~~
~~"Pendula"~~				~~Interesting weeping branches.~~
~~Larix kaempferi~~	~~Japanese Larch~~	~~F~~	~~Wide-Pyramidal~~	~~Similar to European Larch, more picturesque.~~
~~Larix laricina~~ ~~RF~~	~~American Larch Tamarack~~	~~M~~	~~Narrow-Pyramidal~~	~~Hardy; drought tolerant; used in shelterbelts.~~
~~Liriodendron tulipifera~~	~~Tuliptree~~	~~F~~	~~Upright~~	~~Rich, moist soil; unique leaves and interesting June flowers; yellow fall color; purchase from northern source.~~
~~*Platanus occidentalis~~	~~Sycamore American Planetree~~	~~F~~	~~Pryamidal~~	~~Moist soil; tolerates poor drainage; mottled bark; coarse, maple-like leaves; no fall color; pest or disease problem may limit use.~~

~~Populus alba "Pyramidalis"~~	~~White Poplar~~	~~F~~	~~Fastigate~~	~~Moist soil; tolerates poor drainage; mottled bark; coarse, maple-like leaves; no fall color; pest or disease problem may limit use.~~
~~Populus deltoides RF~~	~~Eastern Poplar~~	~~Very fast~~	~~Fastigiate~~	~~Hardy, fast growing; golden yellow fall color; tolerates drought; brittle; may produce "cotton"; too large for homes.~~
~~"Robusta"~~			~~Upright~~	~~Seedless.~~
~~"Siouxland"~~				~~Larger greener leaves; seedless; uniform in shape; hardy.~~
~~"Cottonless"~~				~~Seedless; many similar species available.~~
~~Populus grandi-dentata RF~~	~~Bigtooth Aspen~~	~~F~~	~~Narrow~~	~~Moist, sandy, gravelly soils; not shade tolerant; yellow fall color.~~
~~*Prunus serotina RF~~	~~Black Cherry~~	~~M~~	~~Oval~~	~~Dry soil; white flowers and black fruits in drooping racemes; orange fall color; pest or disease problem may limit use.~~
~~Taxodium distichum~~	~~Baldcypress~~	~~F~~	~~Pyramidal~~	~~Moist, intolerant of alkaline soil; tolerates poor drainage; sun; bronze fall color; fine texture; purchase from northern source.~~
~~*Tilia americana RF~~	~~American Linden Basswood Linden Tree Linn Tree~~	~~M~~	~~Round~~	~~Sensitive to soil compaction; salt-sensitive; coarse; rich soils.~~
~~Tilia cordata~~	~~Littleleaf Linden~~	~~S~~	~~Pyramidal~~	~~Urban; moist soil; fragrant flowers; poor branch structure, needs training while young; yellow fall color.~~
~~"Chancellor"~~				~~Uniform, upright habit.~~
~~"Greenspire"~~				~~Improved branching habit.~~
~~Tilia x euchlora "Redmond"~~	~~Redmond Linden~~	~~M~~	~~Pyramidal~~	~~Urban; dark green foliage.~~
~~KEY: *Wisconsin native S=Slow M=Medium F=Fast~~				

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~~Detailed Classification of Plant Species: Medium Deciduous Trees (15 landscaping points)~~

~~Botanical Name~~	~~Common Name~~	~~Growth Rate~~	~~Form~~	~~Adaptation and Remarks~~
~~Aesculus x carnea "Briotii"~~	~~Ruby Horsechest-nut~~	~~S~~	~~Round~~	~~Rich, most soil; red flowers.~~
~~Aesculus glabra~~	~~Ohio Buckeye~~	~~S~~	~~Round~~	~~Rich, moist soil; yellow-green flowers; orange fall color.~~
~~Alnus glutinosa~~	~~European Alder~~	~~F~~	~~Oval~~	~~Wet; tolerates poor drainage; catkins; cone fruits; no fall color.~~
~~*Betula nigra RF~~	~~River Birch~~	~~M~~	~~Vase~~	~~Wet to dry, intolerant of alkaline soils; tolerates poor drainage; pinkish, peeling bark.~~
~~*Betula papyifera RF~~	~~Paper Birch~~	~~M~~	~~Oval~~	~~Cool, moist soil; white, peeling bark; golden yellow fall color; pest or disease problem.~~
~~Betula pendula "Gracilis"~~	~~Cutleaf European Birch~~	~~M~~	~~Weeping~~	~~Cool, moist soil; dissected leaves; yellow fall color; pests & disease.~~
~~Betula platyphylla japonica~~	~~Japanese White Birch~~	~~M~~	~~Pyramidal~~	~~White bark; some resistance to bronze birch borer.~~

~~Cercidiphyllum japonicum~~	~~Katsuratree~~	~~M~~	~~Columnar~~	~~Moist soil; dioecious; form controlled by pruning, wide spreading if multi-trunked; yellow to red fall color.~~
~~Cladrastis lutea~~	~~American Yellowwood~~	~~S~~	~~Round~~	~~Moist, rich soil; smooth, light gray bark; fragrant, white June flowers in large clusters; yellow fall color.~~
~~Magnolia acuminata~~	~~Cucumbertree~~	~~F~~	~~Pyramidal~~	~~Inconspicuous, greenish flowers; pink to red fruits; coarse foliage; no fall color.~~
~~*Nyssa sylvatica~~	~~Black Gum~~	~~S~~	~~Pyramidal~~	~~Moist soil; tolerates poor drainage; dense habit; dioecious; orange to scarlet fall color; difficult to transplant.~~
~~Phellodendron amurense~~	~~Amur Corktree~~	~~M~~	~~Round~~	~~Urban; dry soil; dioecious; compound leaves; corky bark; yellow fall color.~~
~~Prunus maackii~~	~~Amur Chokecherry~~	~~M~~	~~Round~~	~~Amber exfoliating bark; does well in containers.~~
~~Prunus padus commutata~~	~~Harbinger European Bird Cherry~~	~~S~~	~~Round~~	~~Sun; early to leaf out in spring; pest or disease problem.~~
~~*Prunus pennsylvanica RF~~	~~Pin Cherry~~	~~M~~	~~Upright~~	~~Poor, dry soil; sun; graceful; shortlived; suckering; red fruits; orange to red fall color.~~
~~Prunus sargentii~~	~~Sargent Cherry~~	~~M~~	~~Upright~~	~~Sun, well-drained soil; early, pink flowers; red fall color.~~
~~Salix alba tristis~~	~~Golden Weeping Willow~~	~~F~~	~~Weeping~~	~~Wet soil; tolerates poor drainage; bright yellow twigs; fine-textured; litter problem.~~
~~Ulmus parvifolia~~	~~Chinese Elm~~	~~M~~	~~Vase~~	~~Disease resistant; exfoliating bark.~~
~~KEY: *Wisconsin native S=Slow M=Medium F=Fast~~				

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~~Detailed Classification of Plant Species: Low Deciduous Trees (10 landscaping points)~~

~~Botanical Name~~	~~Common Name~~	~~Growth Rate~~	~~Form~~	~~Adaptation and Remarks~~
~~Acer ginnala~~	~~Amur Maple~~	~~M~~	~~Round~~	~~Sun, shade; red fruit; red fall color.~~
~~*Alnus rugosa~~	~~Speckled Alder~~	~~F~~	~~Round~~	~~Wet soil; tolerates poor soil; lenticeled bark.~~
~~*Amelanchier arborea RF~~	~~Downy Serviceberry~~	~~S~~	~~Upright~~	~~Dry soil; shade; gray bark; white flowers; yellow to red fall color; edible fruits.~~
~~Amelanchier x grandiflora~~	~~Apple Serviceberry~~	~~S~~	~~Spreading~~	~~Semi-shade; large, white flowers, edible fruits.~~
~~*Amelanchier laevis~~	~~Allegany Serviceberry~~	~~S~~	~~Upright~~	~~Moist soil; shade; white flowers; orange to red fall color, edible fruits.~~
~~*Carpinus caroliniana RF~~	~~American Hornbeam~~	~~S~~	~~Spreading~~	~~Moist soil; shade; smooth, gray muscle-like trunks; orange fall color.~~
~~Cercis canadensis~~	~~Eastern Redbud~~	~~M~~	~~Spreading~~	~~Sun or shade; purplish-pink flowers; yellow fall color; purchase form northern source.~~
~~*Cornus alternifolia~~	~~Pagoda Dogwood~~	~~M~~	~~Spreading~~	~~Cool, moist soil; shade; blue-black berries on red stalks; early, maroon fall color.~~
~~*Crataegus crus-galli "Inermis"~~	~~Thornless Cockspur Hawthorn~~		~~Spreading~~	~~Urban; sun; persistent, brick red fruits; orange to red fall color; no thorns.~~

~~Crataegus laevigata "Paulii"~~	~~Paul's Scarlet Hawthorn~~	~~S~~	~~Upright~~	~~Heavy soil; sun; double, scarlet flowers in late May; no fall color; pest or disease problem.~~
~~"Superba"~~	~~Crimson Cloud Hawthorn~~			~~Single, scarlet flowers; resistant to leaf spot.~~
~~Crataegus x lavallei~~	~~Lavalle Hawthorn~~	~~S~~	~~Upright~~	~~Urban; sun; glossy foliage; bronzy-red fall color.~~
~~*Crataegus mollis~~	~~Downy Hawthorn~~	~~S~~	~~Upright~~	~~Sun; large, red, early-ripening fruit; yellow fall color; pest or disease problem.~~
~~Crataegus phaenopyrum~~	~~Washington Hawthorn~~	~~M~~	~~Upright~~	~~Urban; sun; latest blooming; small, persistent, orange-red fruits in clusters; orange fall color.~~
~~*Crataegus punctata~~	~~Dotted Hawthorn~~	~~S~~	~~Spreading~~	~~Moist, heavy soil; sun; picturesque; pest or disease problem may limit use.~~
~~Crataegus x "Toba"~~	~~Toba Hawthorn~~	~~S~~		~~Sun; double, pink, fragrant flowers; glossy leaves; red fruits; dwarf-15.~~
~~Elaeagnus angustifolia~~	~~Russianolive~~	~~F~~	~~Round~~	~~Dry, alkaline soil; sun; fragrant, inconspicuous flowers; silver-gray foliage; no fall color; pest or disease problem may limit use.~~
~~Magnolia x loebneri "Merrill"~~	~~Dr. Merrill Magnolia~~	~~M~~	~~Pyramidal~~	~~Rich soil; sun; white, many-petaled flowers; difficult to transplant.~~
~~Magnolia x soulangiana~~	~~Saucer Magnolia~~	~~S~~	~~Round~~	~~Rich soil; sun; large pink flowers; difficult to transplant.~~
~~Malus species & cultivars~~	~~Flowering Crabapples~~			~~All require sun and well-drained soil. They all possess a high degree of resistance to the apple scab disease.~~
~~Malus "Adams"~~	~~Adams Flowering Crabtree~~	~~M~~	~~Spreading~~	~~Slightly susceptible to fire blight; rose-red flowers; 5/8" diam., persistent, deep red fruits.~~
~~Malus baccata jackii~~	~~Jack Flowering Crabtree~~	~~M~~	~~Upright spreading~~	~~Slightly susceptible to fire blight; white flowers; tiny 1/3-1/2"diam., dark red fruits.~~
~~Malus "Bob White"~~	~~Bob White Flowering Crabtree~~	~~M~~	~~Rounded~~	~~Moderately susceptible to fire blight; white flowers; 5/8" diam., persistent, yellow fruits.~~
~~Malus "Candied Apple"~~	~~Weeping Candied Apple Flowering Crabtree~~		~~Weeping~~	~~Slightly susceptible to scab; pink flowers; 5/8" diam., persistent cherry-red fruits; foliage tinged with red.~~
~~Malus "Centurian"~~	~~Centurian Flowering Crabtree~~		~~Narrow-Upright~~	~~Disease resistant; rose-red flowers; 5/8" diam., persistent, cherry-red fruits.~~
~~Malus "David"~~	~~David Flowering Crabapple~~	~~M~~	~~Rounded~~	~~Slightly susceptible to fire blight and scab; white flowers; 1/4-1-1/2" diam., reddish fruits for in alternate years.~~
~~Malus "Dolgo"~~	~~Dolgo Flowering Crabtree~~	~~M~~	~~Upright-Spreading~~	~~Slightly susceptible to fire blight and scab; white flowers; 1-1/4-1-1/2" diam., persistent red fruits.~~
~~Malus "Donald Wyman"~~	~~Donald Wyman Flowering Crabtree~~	~~M~~	~~Rounded~~	~~Disease-resistant; white flowers; 3/8" diam.; persistent red fruits.~~
~~Malus "Dorothea"~~	~~Dorothea Flowering Crabtree~~	~~S~~	~~Horizontal~~	~~Moderately susceptible to scab; clear pink semi-double flowers; 1/2" diam., yellow fruits.~~
~~Malus "Gibb's Golden Gage"~~	~~Gibb's Golden Gage Flowering Crabtree~~		~~Rounded~~	~~Disease resistant; white flowers; 1" diam., persistent, yellow fruits.~~
~~Malus "Indian Summer"~~	~~Indian Summer Flowering Crabtree~~		~~Rounded~~	~~Disease resistant; rose-red flowers; 5/8-3/4" diam., red fruits.~~
~~Malus "Mary Potter"~~	~~Mary Potter Flowering Crabtree~~	~~S~~	~~Horizontal~~	~~Moderately susceptible to fire blight and scab; white flowers; 1/2" diam., red fruits; 10' height.~~

~~Malus "Ormiston Roy"~~	~~Ormiston Roy Flowering Crabtree~~	~~M~~	~~Rounded~~	~~Slightly susceptible to fire blight; white flowers, 3/8" diam., persistent, yellow fruits.~~
~~Malus "Profusion"~~	~~Profusion Flowering Crabtree~~	~~M~~	~~Rounded-Spreading~~	~~Slightly susceptible to fire blight; rose-red flowers; 1/2" diam., deep red fruits; bronze-green foliage.~~
~~Malus "Red Jewel"~~	~~Red Jewel Flowering Crabtree~~		~~Horizontal~~	~~Moderately susceptible to scab; white flowers; 1/2" diam., persistent, bright red fruits.~~
~~Malus "Robinson"~~	~~Robinson Flowering Crabtree~~		~~Upright-Spreading~~	~~Disease resistant; rose-red flowers; 3/8" diam, persistent, bright red fruits, bronze-green foliage.~~
~~Malus "Sentinel"~~	~~Sentinel Flowering Crabtree~~		~~Narrow-upright~~	~~Slightly susceptible to fire blight and scab; pale pink flowers; 1/2" diam., persistent, bright red fruits.~~
~~Malus "White Cascade"~~	~~White Cascade Flowering Crabtree~~	~~S~~	~~Weeping~~	~~Disease resistant; white flowers, 1/2" diam., yellowish fruits.~~
~~*Ostrya virginiana RF~~	~~Hophornbeam~~	~~S~~	~~Pyramidal~~	~~Dry soil; shade; catkins; elm-like leaves; yellow fall color.~~
~~*Prunus americana RF~~	~~American Plum~~	~~F~~	~~Horizontal~~	~~Dry soil; sun; suckering habit; white flowers; yellow to orange fall color.~~
~~Prunus cerasifera "Newportii"~~	~~Newport Plum~~	~~M~~	~~Round~~	~~Sun; reddish-purple summer foliage.~~
~~*Prunus virginiana RF~~	~~Chokecherry~~	~~M~~	~~Upright~~	~~Dry, infertile soil; suckering habit; white flowers; yellow to orange fall color.~~
~~"Canada Red" or "Shubert"~~	~~Shubert Chokecherry~~			~~Sun; foliage changes from green to purple in early summer.~~
~~Pyrus calleryana and cultivars~~	~~Callery Pear~~	~~M~~	~~Oval~~	~~Sun; early, white flowers; late red fall color.~~
~~Saliz matsudana "Tortuosa"~~	~~Corkscrew or Contorted Willow~~	~~F~~	~~Upright~~	~~Wet soil; tolerates poor drainage; sun; twisted branches; pest or disease problem may limit use.~~
~~Saliz pentandra~~	~~Laurel Willow~~	~~M~~	~~Round~~	~~Wet soil; sun; foliage glossy, dark green; dense habit.~~
~~Sorbus alnifolia~~	~~Korean Mountainash~~	~~S~~	~~Oval~~	~~Cool soil; simple leaves; small flowers and fruits; orange to red fall color; pest or disease problem.~~
~~Sorbus aucuparia and cultivars~~	~~European Mountainash~~	~~M~~	~~Oval~~	~~Cool soil; orange fruits; pest or disease problem~~
~~*Sorbus decora~~	~~Showy Mountainash~~	~~S~~	~~Upright~~	~~Cool Soil; large, reddish fruits; pest or disease problem.~~
~~Syringa reticulata~~	~~Japanese Tree Lilac~~	~~S~~	~~Horizontal~~	~~Sun; large, pyramidal, cream-white flower clusters in June; tan fruits.~~
~~KEY: *Wisconsin native S=Slow M=Medium F=Fast~~				

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~~Detailed Classification of Plant Species: Tall Evergreen Trees (40 landscaping points)~~

~~Botanical Name~~	~~Common Name~~	~~Growth Rate~~	~~Height~~	~~Adaptation and Remarks~~
~~Abies concolor~~	~~White Fur~~	~~M~~	~~70'~~	~~Dry soil; heat; gray-green foliage.~~
~~Picea abies~~	~~Norway Spruce~~	~~F~~	~~75'~~	~~Deep soil; dark green foliage; long cones; pendulous branchlets.~~
~~*Picea glauca RF~~	~~White Spruce~~	~~M~~	~~50'~~	~~Moist soil; sun; light green needles.~~
~~Picea omorika~~	~~Serbian Spruce~~	~~S~~	~~50'~~	~~Sun; narrow habit; pendulous branchlets.~~
~~Picea pungens glauca~~	~~Blue Colorado Spruce~~	~~S~~	~~60'~~	~~Sun; urban; blue needles; stiff, formal habit.~~
~~Pinus cembra~~	~~Swiss Stone Pine~~	~~S~~	~~50'~~	~~Sun; narrow habit.~~
~~Pinus nigra~~	~~Austrian pine~~	~~M~~	~~50'~~	~~Sun; urban; stout, dark green needles, pest or disease problem.~~
~~*Pinus resinosa RF~~	~~Red Pine~~	~~F~~	~~50'~~	~~Dry soil; sun; reddish bark; yellow-green winter color.~~
~~*Pinus strobus RF~~	~~Eastern White Pine~~	~~M~~	~~75'~~	~~Moist soil; sun; picturesque; soft, green foliage, pest or disease problem.~~
~~Pinus sylvestris~~	~~Scots Pine~~	~~F~~	~~50'~~	~~Dry soil; sun; orange bark; bluish needles.~~
~~Pseudotsuga menziesii~~	~~Douglas Fir~~	~~M~~	~~70'~~	~~Half-shade; flat, dark green needles.~~
~~*Tsuga Canadensis RF~~	~~Canada Hemlock~~	~~M~~	~~75'~~	~~Moist soil; soft, feathery foliage.~~
~~KEY: *Wisconsin native S=Slow M=Medium F=Fast~~				

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~~Detailed Classification of Plant Species: Medium Evergreen Trees (20 landscaping points)~~

~~Botanical Name~~	~~Common Name~~	~~Growth Rate~~	~~Height~~	~~Adaptation and Remarks~~
~~*Thuja occidentalis RF~~	~~American Arborvitae~~	~~M~~	~~40'~~	~~Wet soil; half-shade; light green, soft, scale-like foliage.~~
~~KEY: *Wisconsin native S=Slow M=Medium F=Fast~~				

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~~Detailed Classification of Plant Species: Low Evergreen Trees (12 landscaping points)~~

~~Botanical Name~~	~~Common Name~~	~~Growth Rate~~	~~Height~~	~~Adaptation and Remarks~~
~~Juniperus chinnensis "Keteleeri"~~	~~Keteleer Juniper~~	~~S~~	~~20'~~	~~Dry soil; sun; green foliage; large fruits.~~
~~Juniperus chinnensis "Mountbatten~~	~~Mountbatten Juniper~~	~~S~~	~~20'~~	~~Dry soil; sun; narrow, columnar form; large fruits.~~
~~* Juniperus virginiana RF~~	~~Eastern Red Cedar~~	~~S~~	~~20'~~	~~Dry soil; sun; brownish winter color.~~
~~"Burkii"~~	~~Burke Eastern Red Cedar~~			~~Fine-textured, gray-green foliage.~~
~~"Canaertii"~~	~~Canaert Eastern Red Cedar~~			~~Dark green, tufted foliage.~~

~~"Glauca"~~	~~Silver Eastern Red Cedar~~			~~Silver-gray foliage; informal habit.~~
~~"Hillii"~~	~~Hill Dundee Eastern Red Cedar~~			~~Gray-green foliage turns purple in winter, no fruits.~~
~~*Picea glauca~~ ~~RF~~ ~~"Densata"~~	~~Black Hills Spruce~~	~~S~~	~~20'~~	~~Dry soil; sun; narrow, dense habit.~~
~~Taxus cuspidata~~	~~Japanese Yew~~	~~S~~	~~20'~~	~~Shade; urban, deep green needles; often sold as Taxus cuspidata "Capitata"~~
~~*Thuja occidentalis~~ ~~RF~~ ~~"Fastigiata"~~	~~Pyramidal Arborvitae~~	~~M~~	~~25'~~	~~Narrow columnar form.~~
~~*Thuja occidentalis~~ ~~RF~~ ~~"Techny"~~	~~Techny Arborvitae~~	~~S~~	~~20'~~	~~Deep green foliage, year round.~~
~~KEY: *Wisconsin native S=Slow M=Medium F=Fast~~				

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~~Detailed Classification of Plant Species: Tall Deciduous Shrubs (5 landscaping points)~~

~~Botanical Name~~	~~Common Name~~	~~Form~~	~~Adaptation and Remarks~~
~~*Amelanchier sp. (See also low trees)~~	~~Serviceberry~~	~~Upright~~	~~Shade; alkaline soil; white flowers; edible purple fruits; smooth, gray bark; yellow to orange fall color; fireblight a problem.~~
~~Caragana arborescens~~	~~Siberian Peashrub~~	~~Erect, Oval~~	~~Dry, alkaline soils; yellow flowers; green twig.~~
~~Chionanthus virginicus~~	~~Fringetree~~	~~Spreading~~	~~Moist soil; shade; white flowers; blue fruits; coarse.~~
~~*Cornus alternifolia~~	~~Pagoda Dogwood~~	~~Spreading~~	~~Moist soil; shade; white flowers; blue fruits; horizontal branches; early, maroon fall color.~~
~~Cornus mas~~	~~Corneliancherry Dogwood~~	~~Oval~~	~~Shade; urban; yellow flowers in April; flower buds may be injured or killed during some winters; edible red fruits.~~
~~*Cornus racemosa~~	~~Gray Dogwood~~	~~Erect~~	~~Dry or wet soils; shade; white flowers; white fruits; purple fall color.~~
~~Cornus sericea~~	~~Redosier Dogwood~~	~~Spreading~~	~~Wet, moist soils; tolerates poor drainage; white flowers; white fruits; red twigs; often sold a C. stolonifera.~~
~~Cornus sericea baileyi~~	~~Bailey Redosier Dogwood~~	~~Erect~~	
~~Cotoneaster multiflora~~	~~Manyflowered Cotoneaster~~	~~Mounded~~	~~Sun; well-drained soil; white flowers; red fruits; very wide-spreading; pests/diseases.~~
~~Elaeagnus umbellata~~	~~Autumnolive~~	~~Spreading~~	~~Poor, dry soil; sun; fragrant flowers; edible, red fruits; twiggy.~~
~~Euonymus alata~~	~~Winged Euonymus~~	~~Spreading~~	~~Sun or shade; well-drained soil; corky, winged twigs; pink to rose fall color.~~
~~*Euonymus atropurpurea~~	~~Eastern Wahoo~~	~~Tree-like~~	~~Moist soil; shade; tiny, purplish flowers; orange to purple fall color.~~
~~Euonymus europaea~~	~~Spindletree of European Euonymus~~	~~Tree-like~~	~~Dry soil; urban; striped bark; persistent pink fruit; orange to purple fall color.~~
~~"Aldenhamensis"~~	~~Aldenham European Euonymus~~		~~Bright pink fruit; shrubby form~~

~~"Redcap"~~	~~Redcap European Euonymus~~		~~Bright red fruit.~~
~~Exochorda racemosa~~	~~Pearlbush~~	~~Leggy~~	~~Sun; pearl-like flower buds; tan fruit capsules.~~
~~*Hamamelis virginiana~~	~~Common Witchhazel~~	~~Spreading~~	~~Shade; yellow October flowers.~~
~~Hydrangea paniculata "Grandiflora"~~	~~Peegee Hydrangea~~	~~Upright~~	~~Moist soil; white to pink flowers in August; persistent, tan flower clusters.~~
~~Kolkwitzia amabilis~~	~~Beautybush~~	~~Upright~~	~~Alkaline soil; sun; pink flowers in June; shredded bark; leggy.~~
~~Ligustrum amurense~~	~~Amur Privet~~	~~Erect~~	~~Dry soil; white flowers; black fruits; hedge plant.~~
~~Ligustrum vulgare "Cheyenne"~~	~~Cheyenne Privet~~	~~Erect~~	~~Dry soil; urban; white flowers; black fruits; hedge plant.~~
~~Lonicera x bella "Candida"~~	~~White Belle Honeysuckle~~	~~Upright-mounded~~	~~Dry soil; white flowers; red fruits; may become weedy, pest problem.~~
~~Lonicera tatarica zabelii~~	~~Zabel Honeysuckle~~	~~Rounded~~	~~Dry soil; urban; red flowers; dense, red fruits; may become weedy, pest or disease problem, may be sold as L. korolkowii zabelii.~~
~~Magnolia stellata~~	~~Star Magnolia~~	~~Rounded~~	~~Rich soil; white flowers; orange fruits; finest textured magnolia.~~
~~*Physocarpus opulifolius~~	~~Eastern Ninebark~~	~~Vase~~	~~Dry soil; semi-shade; white flowers; red, capsular fruit; shredded bark; course.~~
~~Prunus tomentosa~~	~~Manchu Cherry~~	~~Rounded~~	~~Dry soil; sun; white flowers; edible, red fruits.~~
~~Prunus triloba~~	~~Double Flowering Plum~~	~~Rounded~~	~~Sun; double, pink flowers; no fruit.~~
~~Rhamnus frangula "Columnaris"~~	~~Tallhedge Glossy Buckthorn~~	~~Columnar~~	~~Moist soil; shade; red to black fruits; holds leaves late.~~
~~*Rhus glabra~~	~~Smooth Sumac~~	~~Suckering~~	~~Dry soil; sun; persistent red fruits; smooth stems; scarlet fall color.~~
~~Rhus typhina~~	~~Staghorn Sumac~~	~~Suckering~~	~~Dry soil; sun; persistent red fruits; felty stems; orange to red fall color.~~
~~Rhus typhina "Dissecta"~~	~~Shredleaf Staghorn Sumac~~	~~Picturesque~~	~~Dry soil; sun; red fruits; dissected leaves, orange to red in fall.~~
~~Salix caprea~~	~~Goat Willow or French Pussy Willow~~	~~Oval~~	~~Wet or dry soil; sun; large silver catkins in early spring.~~
~~Shepherdia argentea~~	~~Buffaloberry~~	~~Irregular~~	~~Dry soil; sun; yellowish flowers; dioecious; edible red fruits; silvery foliage.~~
~~*Staphylea trifolia~~	~~American Bladdernut~~	~~Upright~~	~~Moist soil; shade; whitish flowers; green to brown, bladder-like fruits; white-striped bark.~~
~~Syringa x chinensis~~	~~Chinese Lilac~~	~~Vase~~	~~Dry, alkaline soil; purple-lilac flowers; fine texture.~~
~~Syringa x hyacinthiflora cvs.~~	~~Hyacinth Lilacs~~	~~Upright~~	~~Sun; white, pink, lilac, purple flowers; early blooming.~~
~~Syringa x prestoniae cvs.~~	~~Preston Lilacs~~	~~Rounded~~	~~Sun; pink to purple flowers; late-blooming; coarse textured.~~
~~Syringa reticulata~~	~~Japanese Tree Lilac~~	~~Tree-like~~	~~Sun; white flowers in June; tan fruits; cherry-like bark; often sold as S. amurensis japonica.~~
~~Syringa vulgaris cvs~~	~~Common Lilac~~	~~Upright~~	~~Well-drained soil; sun; white, pink, lilac, purple, fragrant flowers; pest or disease problem may limit use.~~

~~Tamarix ramosissima~~	~~Tamarisk~~	~~Irregular~~	~~Dry soil; sun; tiny, pink flowers; very fine texture; often sold as T. pentandra.~~
~~Viburnum dentatum~~	~~Arrowwood Viburnum~~	~~Vase~~	~~Moist soil; shade; white flowers in June; blue fruits; maroon fall color.~~
~~Viburnum lantana~~	~~Wayfaringtree Viburnum~~	~~Upright~~	~~Dry soil; shade; white flowers; red to black fruits; late maroon fall color.~~
~~*Viburnum lentago~~	~~Nannyberry Viburnum~~	~~Upright~~	~~Moist or dry soil; sun or shade; white flowers; black fruits; leggy; maroon fall color; pest or disease problem.~~
~~*Viburnum prunifolium~~	~~Blackhaw Viburnum~~	~~Spreading~~	~~Dry soil; shade; white flowers; black fruits; single or multi-trunked; maroon fall color.~~
~~Viburnum sieboldii~~	~~Siebold Vibernum~~	~~Tree-like~~	~~Rich soil; white flowers; red to black fruits; large, coarse leaves.~~
~~Vibernum trilobum~~	~~American Cranberrybush Vibernum~~	~~Upright~~	~~Moist soil; shade; lacy, white flowers; persistent, edible fruits.~~
~~KEY: *Wisconsin native~~			

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~~Detailed Classification of Plant Species: Medium Deciduous Shrubs (3 landscaping points)~~

~~Botanical Name~~	~~Common Name~~	~~Form~~	~~Adaptation and Remarks~~
~~Aronia arbutifolia~~	~~Red Chokeberry~~	~~Erect~~	~~Wet soil; shade; tolerates poor drainage; white flowers; red fruits; red fall color.~~
~~Cornus alba "Argenteomarginata"~~	~~Creamedge Dogwood~~	~~Mounded~~	~~Moist soil; white flowers; white fruit; variegated foliage.~~
~~*Corylus americana~~	~~American Filbert or Hazelnut~~	~~Rounded~~	~~Dry soil; shade; catkins in March; orange fall color.~~
~~Cotoneaster divaricatus~~	~~Spreading Cotoneaster~~	~~Mounded~~	~~Dry alkaline soil; red fruits; fine texture; late maroon fall color; not fully hardy in zone indicated-needs a special site or ideal conditions.~~
~~Cotoneaster lucidus~~	~~Hedge Cotoneaster~~	~~Upright~~	~~Dry soil; shade; black fruits; orange to maroon fall color; good hedge plant; C. acutifolius is similar.~~
~~Euonymus alatus "Compacta"~~	~~Dwarf Winged Euonymus~~	~~Spreading~~	~~Sun or shade; pink and orange fruits; red fall color.~~
~~Forsynthia x intermedia cvs.~~	~~Border Forsythia~~	~~Vase~~	~~Sun; urban; large, pale to yellow flowers; flower buds may be injured or killed at temperatures lower than -14°F.~~
~~Forsythia ovata~~	~~Early Forsythia~~	~~Mounded~~	~~Sun; urban; smaller, earlier, yellow flowers; flower buds may be injured or killed at temperatures lower than -25°F.~~
~~Forsythia suspensa~~	~~Weeping Forsythia~~	~~Mounded~~	~~Sun; urban; yellow flowers; slender, drooping twigs; flower buds may be injured or killed at temperatures lower than -15°F.~~
~~*Ilex verticillata~~	~~Winterberry~~	~~Upright~~	~~Wet, acid soil; tolerates poor drainage; dioecious; red fruits.~~
~~Ligustrum obtusifolium regelianum~~	~~Regel's Border Privet~~	~~Spreading~~	~~Dry soil; shade; white flowers; blue-black fruits; late, purple fall color.~~

~~Malus sargentii "Tina"~~	~~Sargent Crabapple~~	~~Spreading~~	~~Disease resistant; 5' mature height.~~
~~Myrica pensylvanica~~	~~Bayberry~~	~~Upright~~	~~Dry soil; sun; gray, fragrant fruits; dioecious; semi-evergreen; suckering.~~
~~Philadelphus x virginalis "Glacier"~~	~~Glacier Mockorange~~	~~Rounded~~	~~Sun; double, white, fragrant flowers.~~
~~Prunus x cistena~~	~~Purple-leaved Sand Cherry~~	~~Rounded~~	~~Dry soil; sun; white flowers; purple foliage all season.~~
~~Rhodotypos scandens~~	~~Jetbead~~	~~Spreading~~	~~Dry soil; shade; white flowers; sparse red fruits; fine texture.~~
~~Rosa hugonis~~	~~Father Hugo Rose~~	~~Vase~~	~~Poor soil; sun; yellow flowers; sparse red fruits; fine texture.~~
~~Rosa rugosa cvs.~~	~~Rugosa Rose~~	~~Rounded~~	~~Dry soil; sun; white, yellow, pink, or red flowers; large edible red fruits; fall color; wrinkled leaves; tolerant of salt.~~
~~*Rosa setigera~~	~~Prairie Rose~~	~~Sprawling-mounded~~	~~Sun; pink flowers in July; red fruits; orange fall color; can be used as a climber.~~
~~Spiraea prunifolia~~	~~Bridalwreath Spirea~~	~~Upright~~	~~Sun; double, white flowers; orange to red fall color.~~
~~Spiraea thunbergii~~	~~Thunberg Spirea~~	~~Vase~~	~~Sun; white flowers; yellow to orange fall color; fine-textured.~~
~~Spiraea x vanhouttei~~	~~Vanhoutte Spirea~~	~~Vase~~	~~Sun; white flowers; arching branches.~~
~~Syringa meyeri "Palibin"~~	~~Palibin Lilac~~	~~Rounded~~	~~Sun; purple flowers; dense; fine-textured; good informal hedge plant often sold as S. palibiniana.~~
~~Viburnum carlesii.~~	~~Koreanspice Viburnum~~	~~Rounded~~	~~Shade; urban; pink to white, fragrant flowers; blue-black fruits; red fall color.~~
~~*Viburnum cassinoides~~	~~Witherod Viburnum~~	~~Rounded~~	~~Wet, acid soil; tolerates poor drainage; white flowers; pink to red to blue fruits; red fall color.~~
~~Weigela florida~~	~~Old-fashioned Weigela~~	~~Spreading~~	~~Well-drained soil; pink, funnel-shaped flowers.~~
~~Weigela x 'Vanicekii'~~	~~Vanicek Weigela~~	~~Spreading~~	~~Well-drained soil; red flowers.~~
~~KEY: *Wisconsin native~~			

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~~Detailed Classification of Plant Species: Low Deciduous Shrubs (1 landscaping point)~~

~~Botanical Name~~	~~Common Name~~	~~Form~~	~~Adaptation and Remarks~~
~~Acanthopanax sieboldianus~~	~~Fiveleaf Aralia~~	~~Upright~~	~~Dry soil; shade; urban; leaves palmately compound; thorny.~~
~~*Amelanchier stolonifera~~	~~Running Serviceberry~~	~~Suckering~~	~~Dry soil; shade; white flowers; edible fruits; orange fall color.~~
~~*Aronia melanocarpa~~	~~Black Chokeberry~~	~~Suckering~~	~~Wet soil; shade; white flowers; black fruits; red fall color.~~
~~Berberis thunbergii~~	~~Japanese Barberry~~	~~Mounded~~	~~Dry soil; shade; red fruits; orange fall color; thorns; good hedge plant.~~
~~"Atropurpurea"~~	~~Redleaf Japanese Barberry~~		~~Sun; red summer foliage.~~
~~"Crimson Pygmy"~~	~~Crimson Japanese Barberry~~	~~Low-mound~~	~~Sun; red summer foliage; 2' tall.~~

~~Buxus microphylla koreana~~	~~Korean Littleaf Box~~	~~Rounded~~	~~Shade; broadleaf evergreen; good hedge plant.~~
~~Chaenomeles japonica alpina~~	~~Dwarf Japanese Floweringquince~~	~~Spreading~~	~~Dry soil; urban; orange flowers; yellow, edible fruits; dense; 1' tall; flower buds may be injured or killed during some winters.~~
~~Cotoneaster apiculatus~~	~~Cranberry Cotoneaster~~	~~Mounded~~	~~Dry soil; red fruits; red fall color.~~
~~Deutzia x lemoinei "Compacta"~~	~~Compact Lemoine Deutzia~~	~~Rounded~~	~~Well-drained soil; white flowers.~~
~~*Diervilla lonicera~~	~~Dwarf Bushhoneysuckle~~	~~Mounded~~	~~Dry soil; shade; yellow flowers; good bank cover.~~
~~Forsythia viridissima "Bronxensis"~~	~~Bronx Forsythia~~	~~Low-mound~~	~~Sun; small yellow flowers; fine texture; purple fall color.~~
~~Hydrangea arborescens "Annabelle"~~	~~Annabelle Hydrangea~~	~~Mounded~~	~~Moist soil; shade; white, clustered flowers; dense; blooms on new wood.~~
~~Hydrangea arborescens "Grandiflora"~~	~~Snowhill Hydrangea~~	~~Mounded~~	~~Smaller flower clusters and less dense than Hydrangea arborescens "Annabelle."~~
~~*Hypericum kalmianum~~	~~Kalm's St. Johnswort~~	~~Rounded~~	~~Dry soil; sun; yellow flowers; shiny brown twigs.~~
~~Lonicera x xylosteoides "Clavey's Dwarf"~~	~~Clavey's Dwarf Honeysuckle~~	~~Rounded~~	~~Dense growth; good hedge or screening plant.~~
~~Lonicera xylosteum "Nanum"~~	~~Emerald Mound Honeysuckle~~	~~Mounded~~	~~Lower growing than preceding; 2'-3'.~~
~~Mahonia aquifolium "Mayhan"~~	~~Mayhan Oregongrape~~	~~Suckering~~	~~Shade; urban; yellow flowers; blue fruits; holly-like evergreen foliage; not fully hardy in zone - need special site or ideal conditions.~~
~~Philadelphus coronarius "Aureus"~~	~~Golden Mockorange~~	~~Rounded~~	~~Sun; white flowers; yellow summer foliage.~~
~~Philadelphus x lemoinei "Mont Blanc"~~	~~Mont Blanc Mockorange~~	~~Mounded~~	~~Sun; single; white, fragrant flowers; dense.~~
~~Physocarpus opulifolius "Nanus"~~	~~Dwarf Common Ninebark~~	~~Rounded~~	~~Dry soil; shade; creamy-white flowers; red capsular fruits; shredded bark.~~
~~*Potentilla fruticosa cvs.~~	~~Bush Cinquefoil~~	~~Mounded~~	~~Dry soil; sun; yellow and white flowers; blooms all summer.~~
~~Prunus glandulosa "Sinensis"~~	~~Pink Dwarf Floweringalmond~~	~~Rounded~~	~~Sun; light soil; double, pink flowers; no fruits; narrow leaves.~~
~~Rhododendron x kosteranum~~	~~Mollis Hybrid Azaleas~~	~~Spreading~~	~~Moist, acid soil; pink flowers; red fall color.~~
~~Rhododendron x "PJM Hybrid"~~	~~PJM Hybrid Rhododendron~~	~~Rounded~~	~~Moist, acid soil; shade; lavender flowers; evergreen leaves turn purple in autumn.~~
~~*Rhus aromatica~~	~~Fragrant Sumac~~	~~Mounded~~	~~Dry soil; sun; red fruits; fragrant foliage; turns orange-maroon in fall.~~
~~"Gro-Low"~~	~~Gro-low Fragrant Sumac~~		~~Uniform 2½' height; glossy leaves.~~
~~Ribes alpinum~~	~~Alpine Currant~~	~~Rounded~~	~~Shade; urban; good hedge plant.~~
~~Rosa virginiana~~	~~Virginia Rose~~	~~Suckering~~	~~Dry soil; pink flowers; red fruits; red stems; good bank cover.~~
~~Salix repens argentea~~	~~Silver Creeping Willow~~	~~Spreading~~	~~Moist soil; sun; silvery foliage.~~
~~Spiraea x arguta "Compacta"~~	~~Compact Garland Spirea~~	~~Mounded~~	~~Sun; white flowers; fine texture.~~

~~Spiraea x billiardii~~	~~Billiard Spirea~~	~~Upright~~	~~Sun; pink flowers, in July and August.~~
~~Spiraea x bumalda "Anthony Waterer"~~	~~Anthony Waterer Spirea~~	~~Rounded~~	~~Dry soil; sun; raspberry red flowers; unattractive fruits.~~
~~Spiraea x bumalda "Froebelii"~~	~~Froebel Spirea~~	~~Rounded~~	~~Dry soil; sun; raspberry red flowers; orange to maroon fall color.~~
~~Spiraea japonica alpina~~	~~Daphne Spirea~~	~~Low-mound~~	~~Sun; pale pink flowers in July; 10" height.~~
~~Spiraea nipponica "Snowmound"~~	~~Snowmound Spirea~~	~~Mounded~~	~~Sun; white flowers; blue-green foliage; possible disease problem.~~
~~Symphoricarpos rivularis~~	~~Snowberry~~	~~Vase~~	~~Dry soil; shade; tiny pink flowers; showy white fruits; often sold as S. albus laevigatus.~~
~~Symphoricarpos orbiculatus~~	~~Indiancurrant Coralberry~~	~~Suckering~~	~~Dry soil; shade; pink fruits; good bank cover.~~
~~Viburnum opulus "Compactum"~~	~~Compact European Cranberrybush Viburnum~~	~~Rounded~~	~~Shade; white flowers; persistent, red fruit; dense habit.~~
~~Viburnum opulus "Nanum"~~	~~Dwarf European Cranberrybush Viburnum~~	~~Globe~~	~~Shade; no flowers or fruits; twiggy.~~
~~KEY: *Wisconsin native~~			

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~~Detailed Classification of Plant Species: Tall to Medium Evergreen Shrubs (5 landscaping points)~~

~~Botanical Name~~	~~Common Name~~	~~Height~~	~~Form~~	~~Adaptation and Remarks~~
~~Juniperus chinensis~~				
~~"Ames"~~	~~Ames Juniper~~	~~9'~~	~~Broad pyramid~~	~~Sun; bluish green foliage.~~
~~"Blaauw"~~	~~Blaauw Juniper~~	~~4'~~	~~Upright-vase~~	~~Sun; grayish blue foliage.~~
~~"Herzii"~~	~~Herz Blue Juniper~~	~~15'~~	~~Ascending-Spreading~~	~~Sun; silvery blue foliage.~~
~~"Maney"~~	~~Maney Juniper~~	~~6'~~	~~Upright, bushy~~	~~Sun; bluish green foliage.~~
~~"Old Gold"~~	~~Old Gold Juniper~~	~~4'~~	~~Spreading~~	~~Sun; green with gold tips.~~
~~"Pfitzerana"~~	~~Pfitzer Juniper~~	~~6'~~	~~Wide-spreading~~	~~Sun; green foliage; no fruits.~~
~~"Pfitzerana Glauca"~~	~~Blue Pfitzer Juniper~~	~~5'~~	~~Spreading~~	~~Sun; blue-gray foliage.~~
~~*Juniperus communis depressa~~	~~Oldfield Common Juniper~~	~~4'~~	~~Spreading~~	~~Dry soil; sun; light green; brownish in winter.~~
~~Juniperus sabina "Von Ehren"~~	~~Von Ehren Savin Juniper~~	~~4'~~	~~Spreading~~	~~Dry soil; sun; light green; brownish in winter.~~
~~Juniperus squamata "Meyeri"~~	~~Meyer Singleseed Juniper~~	~~5'~~	~~Picturesque~~	~~Sun; blue foliage.~~
~~Picea glauca RF "Conica"~~	~~Dwarf Alberta Spruce~~	~~7'~~	~~Pyramidal~~	~~Shelter from winter sun; light green foliage.~~
~~Pinus mugo~~	~~Mugo Pine~~	~~4'~~	~~Mounded~~	~~Dry soil; sun; green foliage.~~
~~Taxus cuspidata "Expansa"~~	~~Spreading Japanese Yew~~	~~6'~~	~~Spreading~~	~~Shade; urban; dark green foliage; needs ideal conditions.~~

~~Taxus cuspidata "Nana"~~	~~Dwarf Japanese Yew~~	~~4'~~	~~Mounded~~	~~Shade; urban very dark green foliage; needs ideal conditions.~~
~~Taxus x hunnewelliana~~	~~Hunnewell Yew~~	~~6'~~	~~Spreading~~	~~Shade; green~~
~~Taxus x media cvs.~~	~~Anglojapanese Yew~~	~~1-10'~~	~~Round or upright~~	~~Shade; very dark green; needs ideal conditions.~~
~~Thuja occidentalis~~ ~~RF~~ ~~"Robusta"~~	~~Ware American Arborvitae~~	~~8'~~	~~Broad Pyramid~~	~~Wet soil; half shade; dark green foliage. Often sold as T.o. "Wareana"~~
~~Thuja occidentalis~~ ~~RF~~ ~~"Woodwardii"~~	~~Woodward Globe American Arborvitae~~	~~6'~~	~~Globe~~	~~Wet soil; half shade; bright green.~~
~~KEY: *Wisconsin native~~				

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~~Detailed Classification of Plant Species: Low Evergreen Shrubs (3 landscaping points)~~

~~Botanical Name~~	~~Common Name~~	~~Height~~	~~Form~~	~~Adaptation and Remarks~~
~~Juniperus chinensis procumbens~~	~~Japanese Garden Juniper~~	~~2'~~	~~Creeping~~	~~Sun; blue-green, year-round foliage.~~
~~Juniperus chinensis sargentii~~	~~Sargent Juniper~~	~~1'~~	~~Creeping~~	~~Sun; green; or blue-green in cv. "Glauca"~~
~~*Juniperus horizontalis~~	~~Creeping Juniper~~	~~1'~~	~~Creeping~~	~~Dry soil; sun; variable color-brown in winter.~~
~~"Bar Harbor"~~	~~Bar Harbor Juniper~~	~~8"~~	~~Creeping~~	~~Dry soil; sun; bluish green foliage; salty in winter.~~
~~"Douglasii"~~	~~Waukegan Juniper~~	~~18"~~	~~Creeping~~	~~Dry soil; sun; steel blue; purplish in winter.~~
~~"Plumosa"~~	~~Andorra Juniper~~	~~18"~~	~~Radial-creeping~~	~~Dry soil; sun; gray-green; purplish in winter.~~
~~"Prince of Wales"~~	~~Prince of Wales Juniper~~	~~4—6"~~	~~Prostrate~~	~~Dry soil; sun; bright green; bronzed in winter.~~
~~"Wiltonii"~~	~~Blue Rug Juniper~~	~~4—6"~~	~~Flat-trailing~~	~~Dry soil; sun; silvery blue.~~
~~"Youngstown"~~	~~Youngstown Juniper~~	~~18"~~	~~Radial-creeping~~	~~Dry soil; sun; gray-green; purplish in winter.~~
~~Juniperus sabina~~				
~~"Arcadia"~~	~~Arcadia Savin Juniper~~	~~18"~~	~~Low-spreading~~	~~Sun; green.~~
~~"Broadmoor"~~	~~Broadmoor Savin Juniper~~	~~2'~~	~~Mounded~~	~~Sun; soft grayish green; fine textured.~~
~~"Skandia"~~	~~Skandia Savin Juniper~~	~~12"~~	~~Low-spreading~~	~~Sun; grayish blue.~~
~~"Tamariscifolia"~~	~~Tamarix Savin Juniper~~	~~2'~~	~~Dense, spreading~~	~~Sun; bluish green; pest or disease problem.~~
~~KEY: *Wisconsin native~~				

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~~Detailed Classification of Plant Species: Non-Contributing Species (0 points)~~

~~Botanical Name~~	~~Common Name~~	~~Growth Rate~~	~~Form~~	~~Adaptation and Remarks~~
~~Acer negundo~~	~~Boxelder~~			~~Weed tree.~~
	~~Buckthorn~~			~~Invasive~~
	~~Crown Vetch~~			~~Invasive ground cover; aggressive.~~
~~Crataegus crus-galli~~	~~Cockspur Hawthorn~~	~~S~~	~~Spreading~~	~~Urban; sun; persistent, brick red fruits; orange to red fall color; evil thorns.~~
~~*Gleditsia triacanthos~~ ~~RF~~	~~Common Honeylocust~~	~~F~~	~~Vase~~	~~Urban; tolerates poor drainage; salt tolerant; dioecious, females produce pods; fine-textured foliage; wicked thorns; yellow fall color; pest or disease problems may limit use.~~
~~Lonicera x bella~~	~~Belle Honeysuckle~~			~~Dry soil, white flowers; red fruits; may become weedy, pest problem.~~
~~Lonicera tatarica~~	~~Tatarian Honeysuckle~~			~~Dry soil; urban, pink to white flowers; dense, red fruits; may become weedy, pest or disease problem.~~
~~Lonicera morrowi~~	~~Morrow Honeysuckle~~			~~Urban, dense, white flowers, pest and disease problem, weedy.~~
	~~Purple Loosestrife~~			~~Perennial, common marsh plant, may choke out native plants.~~
~~Rhamnus cathartica~~	~~Common Buckthorn~~			~~Becomes weak.~~
~~Rhamnus frangula~~	~~Glossy Buckthorn~~			~~Becomes weak.~~
~~KEY: *Wisconsin native~~				

~~RF~~ ~~refers to reforestation. Marked species are native to Wisconsin, and recommended for reforestation efforts by the Wisconsin DNR. (See section 78-609.)~~

~~The following sources were used in compiling the preceding lists of plant species:~~

~~Department of Natural Resources. Forest Trees of Wisconsin: How to Know Them. Madison, Wisconsin: Department of Natural Resources, 1987.~~

~~Hasselkus, E.R. A Guide to Selecting Landscape Plants for Wisconsin. Madison, Wisconsin: College of Agricultural and Life Sciences University of Wisconsin – Extension, Cooperative Extension Programs, 1982.~~

~~Hightshoe, Gary L. Native Trees, Shrubs, and Vines for Urban and Rural America: A Planting Design Manual for Environmental Designers. New York: Van Nostrand Reinhold, 1988.~~

~~Iowa State University. Landscape Plants for Iowa. Ames, Iowa: Iowa State University Cooperative~~

APPENDIX B LANDSCAPING CHARTS AND CHECKLISTS

Detailed Classification of Plant Species

Botanical Name	Common Name	Classification	Landscaping Points
Betula lutea RF	yellow birch	Climax Tree	75
Carya ovata RF	shagbark hickory	Climax Tree	75
Catalpa speciosa	northern catalpa	Climax Tree	75
Celtis occidentalis RF	common hackberry	Climax Tree	75
Ginkgo biloba	ginkgo	Climax Tree	75
Larix decidua	European larch	Climax Tree	75
Larix kaempferi	Japanese larch	Climax Tree	75
Larix laricina RF	tamarack	Climax Tree	75
Liriodendron tulipifera	tulip tree	Climax Tree	75
Metasequoia glyptostroboides	dawn redwood	Climax Tree	75
Platanus occidentalis	American sycamore	Climax Tree	75
Platanus x acerfolia	London planetree	Climax Tree	75
Taxodium distichum	bald cypress	Climax Tree	75
Ulmus hybrids	hybrid elm	Climax Tree	75
Ulmus japonica 'Discovery'	Discovery Japanese elm	Climax Tree	75
Ulmus wilsoniana 'Prospector'	Prospector elm	Climax Tree	75
Botanical Name	**Common Name**	**Classification**	**Landscaping Points**
Aesculus flava	yellow buckeye	Tall Deciduous Tree	30
Aesculus glabra	Ohio buckeye	Tall Deciduous Tree	30
Aesculus hippocastanum	horse chestnut	Tall Deciduous Tree	30
Carya cordiformis RF	bitternut hickory	Tall Deciduous Tree	30
Carya illinoinensis	pecan	Tall Deciduous Tree	30
Fagus grandiflora RF	american beech	Tall Deciduous Tree	30
Fagus sylvatica	european beech	Tall Deciduous Tree	30
Gleditsia triacanthos f. inermis	thornless honey locust	Tall Deciduous Tree	30
Gymnocladus diocus	Kentucky coffeetree	Tall Deciduous Tree	30
Juglans nigra RF	black walnut	Tall Deciduous Tree	30
Liquidambar styraciflua	sweetgum	Tall Deciduous Tree	30
Prunus serotina RF	black cherry	Tall Deciduous Tree	30
Populus deltoides RF	Eastern cottonwood	Tall Deciduous Tree	30
Populus grandidenta RF	big-tooth aspen	Tall Deciduous Tree	30
Quercus alba RF	white oak	Tall Deciduous Tree	30
Quercus bicolor RF	swamp white oak	Tall Deciduous Tree	30
Quercus ellipsoidalis RF	northern pin oak	Tall Deciduous Tree	30
Quercus imbricaria	shingle oak	Tall Deciduous Tree	30
Quercus macrocarpa RF	bur oak	Tall Deciduous Tree	30
Quercus muehlenbergii	chinkapin oak	Tall Deciduous Tree	30
Quercus palustris	pin oak	Tall Deciduous Tree	30
Quercus robur	English oak	Tall Deciduous Tree	30
Quercus rubra RF	red oak	Tall Deciduous Tree	30
Quercus x macdenielli	Heritage oak	Tall Deciduous Tree	30
Quercus x schuettei	swamp-bur hybrid oak	Tall Deciduous Tree	30
Styphnolobium japonicum	Japanese pagoda-tree	Tall Deciduous Tree	30
Tilia americana RF	American basswood	Tall Deciduous Tree	30
Botanical Name	**Common Name**	**Classification**	**Landscaping Points**
Aesculus x carnea	red horse chestnut	Medium Deciduous Tree	15
Betula nigra RF	river birch	Medium Deciduous Tree	15
Betula papyifera RF	white birch	Medium Deciduous Tree	15
Betula populifolia	grey birch	Medium Deciduous Tree	15
Carpinus betulus	European hornbeam	Medium Deciduous Tree	15
Cercidiphyllum japonicum	Katsuratree	Medium Deciduous Tree	15
Cladrastis kentukea	American yellowwood	Medium Deciduous Tree	15
Corylus colurna	Turkish filbert	Medium Deciduous Tree	15

Maclura pomifera 'White Shield'	osage-orange	Medium Deciduous Tree	15
Magnolia acuminata	cucumbertree	Medium Deciduous Tree	15
Nyssa sylvatica	black tupelo	Medium Deciduous Tree	15
Ostrya virginiana RF	ironwood	Medium Deciduous Tree	15
Prunus americana RF	Amur chokecherry	Medium Deciduous Tree	15
Prunus pennsylvanica RF	pin cherry	Medium Deciduous Tree	15
Quercus x warei	Regal Prince oak	Medium Deciduous Tree	15
Salix alba tristis	weeping willow	Medium Deciduous Tree	15
Tilia cordata	littleleaf linden	Medium Deciduous Tree	15
Ulmus parvifolia	lacebark elm	Medium Deciduous Tree	15
Zelkova serrata	Japanese zelkova	Medium Deciduous Tree	15
Botanical Name	**Common Name**	**Classification**	**Landscaping Points**
Alnus incana	speckled alder	Low Deciduous Tree	10
Amelanchier arborea RF	downy serviceberry	Low Deciduous Tree	10
Amelanchier canedensis	shadblow serviceberry	Low Deciduous Tree	10
Amelanchier leavis	Allegheny serviceberry	Low Deciduous Tree	10
Amelanchier x grandiflora	apple serviceberry	Low Deciduous Tree	10
Carpinus caroliniana RF	musclewood	Low Deciduous Tree	10
Cersis canadensis	eastern redbud	Low Deciduous Tree	10
Cornus alternifolia	pagoda dogwood	Low Deciduous Tree	10
Cotinus obovatus	American smoketree	Low Deciduous Tree	10
Crataegus crus-galli var. inermis	thornless cockspur hawthorn	Low Deciduous Tree	10
Crataegus phaenopyrum	Washington hawthorn	Low Deciduous Tree	10
Crataegus viridis	Winter King hawthorn	Low Deciduous Tree	10
Maackia amurensis	Amur maackia	Low Deciduous Tree	10
Magnolia x loebneri "Merrill"	Dr. Merrill magnolia	Low Deciduous Tree	10
Magnolia x soulangiana	saucer magnolia	Low Deciduous Tree	10
Malus spp.	crabapple and apple	Low Deciduous Tree	10
Parrotia persica	Persian parrotia	Low Deciduous Tree	10
Prunus americana RF	American plum	Low Deciduous Tree	10
Prunus sargentii	Sargent chokecherry	Low Deciduous Tree	10
Prunus virginiana RF	chokecherry	Low Deciduous Tree	10
Ptelea trifoliata	wafer ash	Low Deciduous Tree	10
Syringa pekinensis	Peking lilac	Low Deciduous Tree	10
Syringa reticulata	Japanese tree lilac	Low Deciduous Tree	10
Viburnum prunifolium	blackhaw viburnum	Low Deciduous Tree	10
Botanical Name	**Common Name**	**Classification**	**Landscaping Points**
Abies balsamea	balsam fir	Tall Evergreen Tree	40
Abies concolor	white fir	Tall Evergreen Tree	40
Picea abies	Norway spruce	Tall Evergreen Tree	40
Picea glauca RF	white spruce	Tall Evergreen Tree	40
Picea omorika	Serbian spruce	Tall Evergreen Tree	40
Pinus resinosa RF	red pine	Tall Evergreen Tree	40
Pinus strobus RF	eastern white pine	Tall Evergreen Tree	40
Thuja plicata	western red cedar	Tall Evergreen Tree	40
Tsuga canadensis RF	eastern hemlock	Tall Evergreen Tree	40
Botanical Name	**Common Name**	**Classification**	**Landscaping Points**
Juniperus virgiana RF	eastern red cedar	Medium Evergreen Tree	20
Pinus bungeana	lacebark pine	Medium Evergreen Tree	20
Pinus cembra	Swiss stone pine	Medium Evergreen Tree	20
Pinus heldreichii	Bosnian pine	Medium Evergreen Tree	20
Pinus koraiensis	Korean pine	Medium Evergreen Tree	20
Pinus sylvestris	Scotch pine	Medium Evergreen Tree	20
Botanical Name	**Common Name**	**Classification**	**Landscaping Points**
Juniperus chinensis	Chinese juniper	Low Evergreen Tree	12
Picea glauca var. "Densata"	Black Hills spruce	Low Evergreen Tree	12
Taxus cuspidata	Japanese yew	Low Evergreen Tree	12
Thuja occidentalis RF	white cedar	Low Evergreen Tree	12

Botanical Name	Common Name	Classification	Landscaping Points
Caragana arborescens	Siberian peashrub	Tall Deciduous Shrub	5
Cephalanthus occidentalis	buttonbush	Tall Deciduous Shrub	5
Chionanthus virginicus	fringetree	Tall Deciduous Shrub	5
Cornus mas	Cornelian-cherry dogwood	Tall Deciduous Shrub	5
Cornus racemosa	gray dogwood	Tall Deciduous Shrub	5
Cornus sericea	red osier dogwood	Tall Deciduous Shrub	5
Cotoneaster multiflora	manyflowered cotoneaster	Tall Deciduous Shrub	5
Euonymus atropurpurea	eastern wahoo	Tall Deciduous Shrub	5
Exochorda racemosa	pearlbush	Tall Deciduous Shrub	5
Hamamelis virginiana	common witchhazel	Tall Deciduous Shrub	5
Hydrangea paniculata	panicled hydrangea	Tall Deciduous Shrub	5
Kolkwitzia amabilis	beautybush	Tall Deciduous Shrub	5
Ligustrum amurense	Amur privet	Tall Deciduous Shrub	5
Ligustrum vulgare	Cheyenne privet	Tall Deciduous Shrub	5
Magnolia stellata	star magnolia	Tall Deciduous Shrub	5
Physocarpus opulifolius	eastern ninebark	Tall Deciduous Shrub	5
Prunus tomentosa	Manchu cherry	Tall Deciduous Shrub	5
Prunus triloba	double flowering plum	Tall Deciduous Shrub	5
Rhus glabra	smooth sumac	Tall Deciduous Shrub	5
Rhus typhina	staghorn sumac	Tall Deciduous Shrub	5
Salix caprea	goat willow	Tall Deciduous Shrub	5
Shepherdia argentea	buffaloberry	Tall Deciduous Shrub	5
Staphylea trifolia	American bladdernut	Tall Deciduous Shrub	5
Syringa vulgaris	common lilac	Tall Deciduous Shrub	5
Vibernum opulus var. americana	American cranberrybush	Tall Deciduous Shrub	5
Viburnum dentatum	arrowwood viburnum	Tall Deciduous Shrub	5
Viburnum lantana	wayfaringtree viburnum	Tall Deciduous Shrub	5
Viburnum lentago	nannyberry	Tall Deciduous Shrub	5
Viburnum sieboldii	Siebold vibernum	Tall Deciduous Shrub	5
Botanical Name	**Common Name**	**Classification**	**Landscaping Points**
Aronia arbutifolia	red chokeberry	Medium Deciduous Shrub	3
Aronia melanocarpa	black chokeberry	Medium Deciduous Shrub	3
Cornus alba	Tartarian dogwood	Medium Deciduous Shrub	3
Corylus americana	American hazelnut	Medium Deciduous Shrub	3
Cotoneaster divaricatus	spreading cotoneaster	Medium Deciduous Shrub	3
Cotoneaster lucidus	hedge cotoneaster	Medium Deciduous Shrub	3
Forsynthia spp.	forsythia species	Medium Deciduous Shrub	3
Ilex verticillata	winterberry	Medium Deciduous Shrub	3
Ligustrum obtusifolium regelianum	Regel's Border privet	Medium Deciduous Shrub	3
Myrica pensylvanica	bayberry	Medium Deciduous Shrub	3
Philadelphus x virginalis	mockorange	Medium Deciduous Shrub	3
Rhodotypos scandens	jetbead	Medium Deciduous Shrub	3
Rosa hugonis	Father Hugo rose	Medium Deciduous Shrub	3
Rosa rugosa cvs.	rugosa rose	Medium Deciduous Shrub	3
Rosa setigera	prairie rose	Medium Deciduous Shrub	3
Syringa meyeri	Korean lilac	Medium Deciduous Shrub	3
Viburnum carlesii	Koreanspice viburnum	Medium Deciduous Shrub	3
Viburnum cassinoides	witherod viburnum	Medium Deciduous Shrub	3
Weigela florida	old-fashioned weigela	Medium Deciduous Shrub	3
Aronia melanocarpa	black chokeberry	Medium Deciduous Shrub	3
Botanical Name	**Common Name**	**Classification**	**Landscaping Points**
Amelanchier stolonifera	running serviceberry	Low Deciduous Shrub	1
Buxus microphylla koreana	Korean littleaf boxwood	Low Deciduous Shrub	1
Chaenomeles japonica alpina	dwarf Japanese flowering quince	Low Deciduous Shrub	1
Cotoneaster apiculatus	cranberry cotoneaster	Low Deciduous Shrub	1
Deutzia x lemoinei	Lemoine's deutzia	Low Deciduous Shrub	1

Diervilla lonicera	bush honeysuckle	Low Deciduous Shrub	1
Hydrangea arborescens	snowball hydrangea	Low Deciduous Shrub	1
Hypericum kalmianum	Kalm's St. John's wort	Low Deciduous Shrub	1
Mahonia aquifolium	oregongrape holly	Low Deciduous Shrub	1
Philadelphus coronarius	golden mockorange	Low Deciduous Shrub	1
Philadelphus x lemoinei	Mont Blanc mockorange	Low Deciduous Shrub	1
Potentilla fruticosa	bush cinquefoil	Low Deciduous Shrub	1
Prunus glandulosa	dwarf flowering almond	Low Deciduous Shrub	1
Rhus aromatica	fragrant sumac	Low Deciduous Shrub	1
Ribes alpinum	alpine currant	Low Deciduous Shrub	1
Rosa virginiana	Virginia rose	Low Deciduous Shrub	1
Salix repens argentea	silver creeping willow	Low Deciduous Shrub	1
Spiraea spp	spirea	Low Deciduous Shrub	1
Symphoricarpos rivularis	snowberry	Low Deciduous Shrub	1
Symphoricarpos orbiculatus	coralberry	Low Deciduous Shrub	1
Botanical Name	**Common Name**	**Classification**	**Landscaping Points**
Juniperus chinensis	Chinese juniper	Medium Evergreen Shrub	5
Juniperus communis depressa	old field juniper	Medium Evergreen Shrub	5
Juniperus squamata	singleseed juniper	Medium Evergreen Shrub	5
Pinus mugo	mugo pine	Medium Evergreen Shrub	5
Taxus cuspidata	Japanese yew	Medium Evergreen Shrub	5
Taxus x media	Anglojapanese yew	Medium Evergreen Shrub	5
Thuja occidentalis	shrub arborvitae	Medium Evergreen Shrub	5
Botanical Name	**Common Name**	**Classification**	**Landscaping Points**
Juniperus horizontalis	creeping juniper	Low Evergreen Shrub	3
Juniperus sabina	savin juniper	Low Evergreen Shrub	3
Rhododendron x kosteranum	Mollis hybrid azaleas	Low Evergreen Shrub	3
Rhododendron x "PJM Hybrid"	PJM hybrid rhododendron	Low Evergreen Shrub	3
Botanical Name	**Common Name**	**Classification**	**Landscaping Points**
Acer spp.	maple tree species	Non-contributory Plants	0
Fraxinus spp.	ash species	Non-contributory Plants	0
Pinus nigra	Austrian pine	Non-contributory Plants	0
Picea pungens	Colorado blue spruce	Non-contributory Plants	0

RF refers to reforestation. Marked species are native to Wisconsin, and recommended for reforestation efforts by the Wisconsin DNR. (See

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- Department of Natural Resources. Forest Trees of Wisconsin: How to Know Them. Madison, Wisconsin: Department of Natural Resources, 1987.
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- Hightshoe, Gary L. Native Trees, Shrubs, and Vines for Urban and Rural America: A Planting Design Manual for Environmental Designers. New York: Van Nostrand Reinhold, 1988.
- Iowa State University. Landscape Plants for Iowa. Ames, Iowa: Iowa State University Cooperative Extension Service, May 1984.

This list was reviewed and modified by the Stoughton Tree Commission in 2020 referencing the following online sources:

- Missouri Botanical Garden Plant Finder, http://www.missouribotanicalgarden.org/plantfinder/plantfindersearch.aspx, Accessed Nov-Dec, 2020.
- Wisconsin Department of Natural Resources, Terrestrial Invasive species - Regulated plants, https://dnr.wi.gov/topic/Invasives/species.asp?filterBy=Terrestrial&filterVal=Y&catVal=PlantsReg, Last revised: July 10, 2015.

This ordinance shall be in full force and effect from and after its date of publication.

Dates

Council Adopted:_____

Mayor Approved: _____ _____

Tim Swadley, Mayor

Published:_____

Attest:_____ _____

Holly Licht, City Clerk