

MSU Extension Publication Archive

Archive copy of publication, do not use for current recommendations. Up-to-date information about many topics can be obtained from your local Extension office.

Selections of Shade and Flowering Trees for Michigan Landscapes

Michigan State University

Cooperative Extension Service

Clarence E. Lewis and Harold Davidson, Department of Horticulture

Douglas J. Chapman, Midland County Extension Director

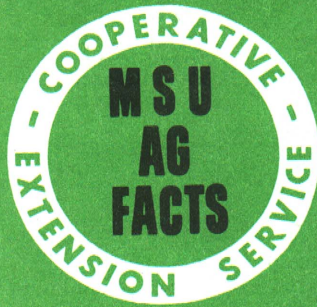
Gurdon K. Dennis, District Horticulture Agent

August 1974

4 pages

The PDF file was provided courtesy of the Michigan State University Library

Scroll down to view the publication.



NO. 6

SELECTIONS of SHADE and FLOWERING TREES for Michigan Landscapes



August 1974

Extension Bulletin E-710

This list of "Selections of Shade and Flowering Trees for Michigan Landscapes" has been compiled as a guide to some of the better selections of trees that are presently available for landscape beautification. This list should be used in conjunction with: Extension Bulletins E-522 "Ornamental Deciduous Trees for Michigan" and E-616 "Familiar Trees of Michigan" and "Michigan Trees Worth Knowing" (Michigan Department of Natural Resources). No attempt has been made to list all the cultivars of a species, but only those that are available in the trade and are hardy in Michigan.

Although all of the selections may not be available at a single garden center or nursery, most nurserymen can obtain them from other production nurseries. Plant Buyer's Guide published by the American Association of Nurserymen (835 Southern Building, Washington, D.C. 20005) should be consulted for possible sources of these plants.

Selections for Michigan

ACER PLATANOIDES: NORWAY MAPLE, 50-75', round, dense crown, dark green leaves
Almira: small (20') globe shaped
Cleveland: upright, broad oval
Columnare: upright, narrow (40')
Crimson King: purple-leaved during growing season
Drummondii: light green leaves edged with white
Emerald Queen: ascending branches, rapid growing, dark green leaves, similar to Summershade
Erectum: very narrow head, with short lateral branches
Faassen's Redleaf (Faassen's Black) (Royal Red): dark red leaves, similar to Crimson King.
Globosum: low growing (20') round-headed tree
Goldsworth Purple: purple leaves early in the season
Greenlace: cutleaf, rapid growth rate
Jade Glen: rapid growth, golden yellow in fall
Olmsted: upright, similar to Columnare
Schwedleri: purplish-red leaves in spring, slow growing
Summershade: oval shaped, leathery leaves, heat resistant, rapid growing, similar to Emerald Queen

ACER PSEUDOPLATANUS: SYCAMORE MAPLE, 75', wide-spreading maple with clusters of fruit during summer
Brilliantissima: leaves orange and yellow in the spring
Prinz Hanjery: leaves yellow-orange in the spring
Purpureum: purple coloration on back of leaf
Worleei: leaves orange and yellow in the spring

ACER RUBRUM: RED MAPLE, 75', rounded to elliptical, with good red foliage color in fall

Armstrong: fastigate, spire-like, beautiful light gray bark
Autumn Flame: dense growing, brilliant scarlet foliage in fall

Bowhall: slow growing, narrow, pyramidal shaped, bright red fall color (similar to Scanlon)

Gerling: broadly pyramidal (35') densely branched

October Glory: retains leaves late into fall, crimson-red foliage color in the fall

Red Sunset: heavy-textured leaves, excellent orange-red fall color

Scanlon: conical, compactly branched, orange-amber red foliage in fall (similar to Bowhall)

Schlesinger: scarlet fall color, rapid growth rate

Tilford: globeheaded, uniform in shape (25')

ACER SACCHARINUM: SILVER MAPLE, 80', broad spreading crown, leaves with sharp margins, rapid growing
Pyramidal: pyramidal habit
Silver Queen: leaves bright green with silvery undersurface
Weiri (Beebe): weeping form, "cutleaved"

ACER SACCHARUM: SUGAR MAPLE, 100', oval to elliptical, yellow-orange or golden foliage color in the fall

Cutleaf (Sweet Shadow): deeply cut lobes, dark green foliage

Globosum: slow growing (10'), dense, round-headed

Green Mountain: upright oval crown, dark green foliage, scarlet in the fall

Newton Sentry (Sentry): columnar with central leader

Temple's Upright (Monumentale): 50', slender column with dark green foliage

AESCULUS CARNEA: RED HORSE-CHESTNUT, 40'

Brioti: scarlet colored flowers, foliage glossy green, seldom forms fruit

AESCULUS HIPPOCASTANUM: HORSE-CHESTNUT, 60' elliptical when young, rounded with age
Baumanni: flowers double, no fruit formation

BETULA PENDULA (VERRUCOSA): EUROPEAN WHITE BIRCH, 40', pyramidal, somewhat pendulous, attractive with white bark

Fastigiata: upright narrow
Laciniata (Gracilis) (Tristis): cutleaf form
Purpurea (Purple Splendor) (Scarlet Glory): purple leaves
Youngi: pendulous habit

CARPINUS BETULUS: EUROPEAN HORNBEAM, 50', pyramidal in youth, rounded with maturity (of questionable hardiness north of Flint)

Columnaris: narrow, somewhat egg-shaped
Fastigiata: upright, 30' vase-shaped
Globosa: rounded
Incisa: leaves deeply lobed
Pendula: weeping habit
Purpurea: purple leaves in spring
Pyramidalis: broadly pyramidal
Quercifolia: oakleaf form

CERCIS CANADENSIS: AMERICAN REDBUD, 25', flat-topped, irregular small tree, attractive, purplish, pea-like flowers in early spring

Alba: white flowers
Pinkbud: pink flowers
Pink Charm (Wither's Pink Charm): pink flowers (no trace of purple)
Purple Leaf (Forest Pansy): young leaves deep purple through growing season

CORNUS FLORIDA: FLOWERING DOGWOOD, 30', small flowering tree with horizontal branches, attractive floral bracts in spring. (Bracts may be injured by cold winter temperature)

Apple Blossom: flower color similar to apple blossoms
Cherokee Chief: bracts are ruby red
Cherokee Princess: large white bracts
Cloud 9: flowers at an early age, white bracts
Fragrant Cloud: some fragrant
Multibracteata (Plena): double bracts
Pendula: weeping branches
Rubra: pink bracts
Springtime: bracts are rose-red
Welchi (Rainbow): leaves are a combination of green, pink and white
White Cloud: creamy white bracts

CORNUS KOUSA: JAPANESE DOGWOOD, 20'

Chinensis: foliage and bracts larger than species
Milky Way: creamy white, more prolific in flowering
Summer Stars: holds bracts into August

FAGUS SYLVATICA: EUROPEAN BEECH, 80', large pyramidal, with glossy green leaves, smooth, gray bark

Asplenifolia: fernlike leaves
Atropurpurea (Atropurpurea): purple (copper) leaves
Cuprea: copper foliage all summer

Dawycki: upright

Fastigiata: narrow, upright form

Laciniata: cutleaf form

Pendula: weeping, green leaves

Purpurea Pendula: red leaved, weeping form

Riversi: young foliage is red, turns purple with maturity

Rohani: red fernleaved form

Spaethiana (Spaethi): red leaved, good color all season

Tricolor (Roseo-marginata): variegated foliage (green, white and pink), slow growth, may be hard to establish

Zlatia: leaves at tip of branches are gold colored

FRAXINUS ANGUSTIFOLIA: NARROW LEAF ASH

Doctor Pirone: (35'), upright branches, glossy bright green foliage

FRAXINUS AMERICANA: WHITE ASH, 80', erect with rounded crown

Autumn Purple: seedless American ash with deep purple fall color

Rose Hill: seedless, dark green foliage, tolerant of poor alkaline soils, bronze-red fall color

FRAXINUS EXCELSIOR: EUROPEAN ASH, 80', erect with rounded crown

Globosa: globeheaded (30'), with 20' diameter head
Gold Cloud: yellow twigs, leaves turn yellow in fall
Hessei: rounded-head, simple, lustrous dark green leaves
Pendula: (45'), weeping growth habit
Rancho: small (30') round head

FRAXINUS PENNSYLVANICA LANCEOLATA: GREEN ASH, 60', dense, rounded crown

Marshall's Seedless: male form, does not produce fruit, dark, glossy green foliage, may have less insect problems, yellow fall foliage
Summit: upright, pyramidal, glossy foliage (female)

FRAXINUS UHDEI: SHAMEL ASH, 30'

Tomlinson: male, thick, leathery, dark green leaves

FRAXINUS VELUTINA: VELVET ASH, 40', small round-headed tree

Modesto: 20', round headed, foliage is dense, bright glossy green, seedless

GINKGO BILOBA: MAIDENHAIR TREE, 75', open, wide-spreading, fan-shaped leaves

Fastigiata: upright growth

Pendula (Male forms): pendulous branchlets

Autumn Gold: bright golden fall color, rapid growth rate

Fairmont: upright pyramidal

Lakeview: compact, conical form

Mayfield: narrow, columnar

Santa Cruz: umbrella form

GLEDITSIA TRIACANTHOS: HONEY LOCUST, 75', fine leaf texture, broad-open habit

Cottage Green: semi-upright, dark green leaves, stem is green in youth, seedless, thornless

Imperial: graceful, spreading, straight trunk, seedless, thornless

Majestic: upright, compact growth, relatively seedless, thornless

Maxwell: upright, reputed hardy to low temperature

Moraine: thornless, seedless, wide-spreading

Rubylace: ruby-red foliage in spring changing to bronze in summer, weak trunk development

Shademaster: upright, seedless, thornless

Skyline: pyramidal, strong, wide-angled crotches, seedless, thornless

Sunburst: new foliage golden yellow

(There are numerous introductions of this species. Listed clones are available at most nurseries).

LIQUIDAMBAR STYRACIFLUA: AMERICAN SWEET-GUM, 75', broadly pyramidal, star-shaped leaf (of questionable hardiness north of Flint)

Burgundy: burgundy-red fall color, holds leaves late in the fall

Festival: narrow, upright, yellow colored fall foliage

Palo Alto: pyramidal symmetrical habit, bright orange-red fall color

Variegata: leaves irregularly green and yellow

MAGNOLIA: MAGNOLIA, 40'

Merrill (Dr. Merrill): rapid growing, early flowering

MAGNOLIA SOULANGIANA: SAUCER MAGNOLIA, 30', small flowering tree with many main stems. A hybrid form with many clones.

Alba: white flowers

Alexandrina: large flowers, rose-purple, outside

Burgundy: dark purple flowers

Grace McDade: white, pink base to petals

Lennei: dark, magenta-purple

Nigra: darkest magenta

Speciosa: almost white

MAGNOLIA STELLATA: STAR MAGNOLIA, 20', small tree with double flowers

Rubra: rose-purple flowers

Waterlily: upright, bushy, flower buds pink, flowers white

(There are many other selected forms of Magnolia. Before planting, be sure they are hardy for the site.)

MALUS: CRABAPPLE, 20-50'

American Beauty: double red flowers

X arnoldiana: rounded head, umbrella shaped at maturity, light pink flowers, maturing white scab resistant

X atrosanguinea: lateral growth, broader than high, pink flowers, scab resistant

Barbara Ann: good double pink flower, semi-upright

baccata Jacki: broad upright, excellent red fruits, white fragrant flowers

Coralburst: dwarf (8') upright branching, double rose-pink flowers

X Dorothea: double rose colored flowers

halliana parkmani: almost shrubby, double pink flowers, scab resistant

X Katherine: double white fragrant flowers

Pink Perfection: semi-upright, double pink flowers

X purpurea Lemoinei: dark rose colored flowers, scab resistant, alternate flowering

X Radiant: spring and fall foliage somewhat reddish

X Red Jade: pendulous branching, white flowers, scarlet fruits contrasting with tan stems

X Royalty (Royal red): foliage is a good deep purple the year around with dark red flowers

X Red Jewel: red fruit, has large, leathery, dark glossy, green leaves

X scheideckeri: double, pale pink flowers, semi-upright

Snowcloud: columnar, profusion of double white flowers

Snowdrift: white flowers, scarlet fruits

X Tschonoski: broad upright habit of growth, fall color bronze red, glossy foliage and vigorous grower

X Van Eseltine: double pink flowers, profuse, a columnar tree for many years, resistant to scab

White Angel: white flowers, red fruits persist into winter

X zumi calocarpa: white flowers, colorful fruits persist into the winter

There are many excellent Crabapples. Those listed are some of the best for Michigan landscapes).

PLATANUS ACERIFOLIA: LONDON PLANE TREE, 75'

Bloodgood strain: reported to be resistant to anthracnose

PRUNUS AVIUM: MAZZARD CHERRY, 50'

Scanlon: globe shape

Plena: double white flowers, hardy

Prunus x blireiana: green leaves turning red in summer

PRUNUS CERASIFERA: MYROBALAN PLUM, 25'

Hollywood: foliage turns purple

Newport: reddish purple foliage with bright red tips

Nigra: dark purple foliage

Thundercloud: dark purple foliage, transplant balled and burlapped spring only

PRUNUS SARGENTI: SARGENT CHERRY, 60'

Columnaris (Rancho): columnar habit

PRUNUS SERRULATA: ORIENTAL CHERRY, 20'

Amanogawa: columnar form, light pink, fragrant pink flowers

Fugenzo: light pink, profuse, double flowers, orange-red foliage in fall

Kwanzan: double deep pink, profuse flowers, orange-red foliage in fall

Shirofugen: double pink flowers that fade to white profuse

Shirotae: double white abundant flowers

PRUNUS SUBHIRTELLA: HIGAN CHERRY, 30'

Autumnalis: semi-double light pink flowers in the fall (flowers also in the spring)

Pendula: pendulous branches, single pink flowers in early spring

Yae-shidare-higan (Pendula plena): pendulous branches, double pink flowers

PRUNUS YEDOENSIS: YOSHINO CHERRY, 40' (The famous trees of the Tidal Basin in Washington, D.C.)

Akebono (Daybreak): light pink flowers

(There are many selections of Prunus. Those listed are among the best for Michigan).

PYRUS CALLERYANA: CALLERY PEAR, 40', symmetrical pyramid, glossy green foliage

Faurie: Korean Callery Pear, 20', round head, deep green foliage

Bradford: singularly pest free, oval with broad base, fall color is yellow mixed with bronzy-red, flowers are white, 40'

Chanticleer: very narrow, columnar, dense

Rancho: similar to Bradford but not as dense

QUERCUS PALUSTRIS: PIN OAK, 50-75'

Sovereign: lower branches semi-upright

QUERCUS ROBUR: ENGLISH OAK, 50-75'

Fastigiata: columnar habit with upright branching

SOPHORA JAPONICA: SCHOLARTREE, 40'

Pendula: weeping form

Regent: oval, glossy dark green leaves, trusses of white pea-like flowers in summer, vigorous grower

SORBUS AUCUPARIA: EUROPEAN MOUNTAIN ASH, 30' upright in youth, spreading with maturity, attractive red-orange fruit in fall

Apricot Queen: apricot colored fruit

Asplenifolia: leaflets doubly serrated

Brilliant Pink: pink fruit

Carpet of Gold: sulphur-yellow to orange fruit

Cardinal Royal: red fruits and fruiting about month earlier than species

Fastigiata: upright

Pendula: weeping

Rowencroft Pink Coral: coral pink fruit

Scarlet King: scarlet fruit

Wilson: columnar form

TILIA AMERICANA: AMERICAN LINDEN, 75'

Redmond: pyramidal form

TILIA CORDATA: LITTLELEAF LINDEN, 75', pyramidal, dense, compact

Chancellor: narrow upright, compact, symmetrical

Greenspire: narrow-oval, straight trunk with radially arranged branches, rapid growth rate

June Bride: pyramidal with straight central leader abundant bloom

Pyramidalis: wide pyramidal

Rancho: dense crown, dark glossy leaves

ULMUS AMERICANA: AMERICAN ELM, 75-100', upright with spreading branches

Augustine: columnar, rapid growth

Moline: narrow growth habit, (tends to split at crotch of main branches)

ULMUS CARPINIFOLIA: SMOOTH-LEAVED ELM, 75', rounded crown

Christine Buisman: reported to be resistant to Dutch elm disease

Umbraculifera: 30', globe shaped crown

ZELKOVA SERRATA: JAPANESE ZELKOVA, 50', vase shaped small tree, similar to American elm

Village Green: straight trunk, large green leaves turning rusty-red in the fall, may be susceptible to canker problems

Park View: elm-like form, 50'

Compiled by Clarence E. Lewis and Harold Davidson, Department of Horticulture; Douglas J. Chapman, Midland County Extension Director and Gurdon K. Dennis, District Horticultural Agent