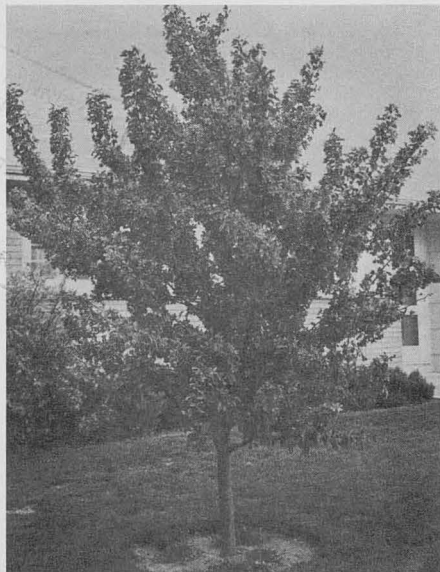


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Fitting trees and shrubs into the landscape

Mervin C. Eisel



The homeowner needs to have some idea of the approximate size at maturity of some of the trees and shrubs commonly used in landscape plantings. Mature size is greatly influenced by the length of the growing season, temperature, light, water, soil type, fertility, and many other factors. This makes it impossible to predict the exact mature size of a plant. In a shaded area, such as a wooded area, it will often grow taller in reaching for light than one standing in an open area. A plant not competing for light may eventually attain the same height, but is likely to be much broader.

The following list contains many of the better plant materials for landscape purposes and some less desirable but commonly used materials. Some of the plants on this list are not hardy in all areas of the state. This list should be used with Extension Bulletins 267, "Woody Plants For Minnesota," 248, "Evergreens," and Horticulture Fact Sheet 22, "Street Trees for Minnesota."

The adaptability of some plants to specific problem areas is mentioned here, as well as plants possessing certain outstanding characteristics.

Contact your local county agricultural extension agent in the telephone book under county offices if you have questions.

Trees—Large—50 feet and over

1. Silver Maple
(*Acer saccharinum*)
2. Sugar Maple
(*Acer saccharum*)
3. Hackberry
(*Celtis occidentalis*)

4. White Ash
(*Fraxinus americana*)
5. Green Ash
(*Fraxinus pensylvanica*
subintegerrima)
6. Marshall Seedless Ash
(*Fraxinus pensylvanica*
subintegerrima 'Marshall
Seedless')

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cover photo: 'Sparkler' Crabapple

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Trees—Large—50 feet and over (cont.)

7. Summit Green Ash
(*Fraxinus pensylvanica*
subintegerrima 'Summit')
8. Honeylocust and its cultivars
(*Gleditsia triacanthos*
inermis)
9. Kentucky Coffeetree
(*Gymnocladus dioicus*)
10. Black Walnut
(*Juglans nigra*)
11. Norway Spruce
(*Picea abies*)
12. Austrian Pine
(*Pinus nigra*)
13. Norway Pine
(*Pinus resinosa*)
14. Cottonwood
(*Populus deltoides*)
15. White Oak
(*Quercus alba*)
16. Bur Oak
(*Quercus macrocarpa*)
17. Basswood or Linden
(*Tilia americana*)

Trees—Medium—25 to 50 feet

1. Balsam Fir
(*Abies balsamea*)
2. White Fir
(*Abies concolor*)
3. Norway Maple
(*Acer platanoides*)
4. Cleveland Norway Maple
(*Acer platanoides* 'Cleveland')
5. Crimson King Norway Maple
(*Acer platanoides* 'Crimson King')
6. Emerald Queen Norway Maple
(*Acer platanoides* 'Emerald Queen')
7. Royal Red Norway Maple
(*Acer platanoides* 'Royal Red')
8. Schwedler Norway Maple
(*Acer platanoides* 'Schwedleri')
9. Summer Shade Norway Maple
(*Acer platanoides* 'Summer Shade')
10. Red Maple and its cultivars
(*Acer rubrum*)
11. Ohio Buckeye
(*Aesculus glabra*)
12. River Birch
(*Betula nigra*)
13. Paper Birch
(*Betula papyrifera*)
14. Northern Catalpa
(*Catalpa speciosa*)
15. Blue Ash
(*Fraxinus quadrangulata*)
16. Ginkgo
(*Ginkgo biloba*)
17. Butternut
(*Juglans cinerea*)
18. Tamarack
(*Larix laricina*)
19. Ironwood
(*Ostrya virginiana*)
20. Amur Corktree
(*Phellodendron amurense*)

21. White Spruce
(*Picea glauca*)
22. Black Hills Spruce
(*Picea glauca densata*)
23. Blue Spruce and cultivars
(*Picea pungens* and selections)
24. Scotch Pine
(*Pinus sylvestris*)
25. Pin Oak
(*Quercus palustris*)
26. Mountain Ash
(*Sorbus* spp.)
27. Littleleaf Linden
(*Tilia cordata*)
28. Greenspire Linden
(*Tilia cordata* 'Greenspire')
29. Redmond Linden
(*Tilia x euchlora* 'Redmond')

Trees—Small—under 25 feet

1. Serviceberry or shadblow
(*Amelanchier laevis*)
2. Amur Maple
(*Acer ginnala*)
3. Blue Beech
(*Carpinus caroliniana*)
4. Cockspur Hawthorn
(*Crataegus crus-galli*)
5. Thornless cockspur Hawthorn
(*Crataegus crus-galli*
inermis)
6. Russian olive
(*Elaeagnus angustifolia*)
7. Rocky Mountain Junipers
(*Juniperus scopulorum*
selections)
8. Red Cedar
(*Juniperus virginiana*)
9. Most Flowering Crabapples
('Flame', 'Radiant', 'Red
Splendor', 'Sparkler', 'Van-
guard', Redbud
Flowering Crabapples
(*Malus* spp.))
10. Wild Plum
(*Prunus americana*)
11. Amur Chokecherry
(*Prunus maackii*)
12. Shubert's Chokecherry
(*Prunus virginiana* 'Shubert')
13. Japanese Tree Lilac
(*Syringa amurensis japonica*)
14. White Cedar
(*Thuja occidentalis*)
15. Pyramidal Arborvitae
(*Thuja occidentalis*
'Pyramidalis')
16. Nannyberry
(*Viburnum lentago*)

Shrubs—Large—8 feet and over

1. Amur Maple
(*Acer ginnala*)
2. Alleghany Serviceberry or
Juneberry
(*Amelanchier laevis*)
3. Siberian Peashrub
(*Caragana arborescens*)
4. White Fringetree
(*Chionanthus virginicus*)

Shrubs—Large—8 feet and over (cont.)

5. Pagoda Dogwood
(*Cornus alternifolia*)
6. Redtwig Dogwood
(*Cornus stolonifera*)
7. Eastern Wahoo
(*Euonymus atropurpureus*)
8. European Euonymus
(*Euonymus europaeus*)
9. Aldenham Euonymus
(*Euonymus europaeus*
'Aldenhamensis')
10. Seabuckthorn
(*Hippophae rhamnoides*)
11. Zabel's Honeysuckle
(*Lonicera korolkowi* 'Zabeli')
12. Many Honeysuckles
(*Lonicera* spp.)
13. Virginal Mockorange
(*Philadelphus virginialis*)
14. Newport Plum
(*Prunus* 'Newport')
15. Flowering Plum
(*Prunus triloba*)
16. Shubert Chokecherry
(*Prunus virginiana* 'Shubert')
17. Common Hoptree
(*Ptelea trifoliata*)
18. Tallhedge Buckthorn
(*Rhamnus frangula*
'Columnaris')
19. Staghorn Sumac
(*Rhus typhina*)
20. American Elder
(*Sambucus canadensis*)
21. Silver Buffaloberry
(*Shepherdia argentea*)
22. Chinese Lilac
(*Syringa chinensis*)
23. Lilacs
(*Syringa vulgaris* & others)
24. Siberian arborvitae
(*Thuja occidentalis* 'Wareana')
25. Wayfaringbush viburnum
(*Viburnum lantana*)
26. Nannyberry
(*Viburnum lentago*)
27. European Highbush Cranberry
(*Viburnum opulus*)
28. Sargent Highbush Cranberry
(*Viburnum sargentii calvescens*)
29. Highbush Cranberry
(*Viburnum trilobum*)
8. Lemoine Deutzia
(*Deutzia lemoinei*)
9. Leatherwood
(*Dicra palustris*)
10. Winged Euonymus
(*Euonymus alatus*)
11. Peegee Hydrangea
(*Hydrangea paniculata*
'Grandiflora')
12. Winterberry
(*Ilex verticillata*)
13. Clavey's Dwarf Honeysuckle
(*Lonicera x xylosteoides*
'Clavey's Dwarf')
14. Sakhalin Honeysuckle
(*Lonicera maximowiczii*
sachalinensis)
15. Star Magnolia
(*Magnolia stellata*)
16. Enchantment Mockorange
(*Philadelphus* 'Enchantment')
17. Purity Mockorange
(*Philadelphus* 'Purity')
18. Ninebark
(*Physocarpus opulifolius*)
19. Golden Ninebark
(*Physocarpus opulifolius*
'Aureus')
20. Cistena Sandcherry
(*Prunus x cistena*)
21. Double Flowering Almond
(*Prunus glandulosa*)
22. Nanking Cherry
(*Prunus tomentosa*)
23. Mollis Azalea
(*Rhododendron Mollis*
Hybrids)
24. Prairie Dawn Rose
(*Rose* 'Prairie Dawn')
25. Cutleaf Staghorn Sumac
(*Rhus typhina* 'Laciniata')
26. Arctic Willow
(*Salix arctica*)
27. Vanhoutte Spirea
(*Spiraea vanhouttei*)
28. Miss Kim Lilac
(*Syringa velutina*
'Miss Kim')
29. Woodward Globe Arborvitae
(*Thuja occidentalis*
'Woodwardii')
30. Arrowwood Viburnum
(*Viburnum dentatum*)

Shrubs—Medium—5 to 8 feet

1. Korean Barberry
(*Berberis koreana*)
2. Russian Peashrub
(*Caragana frutex*)
3. Silky Dogwood
(*Cornus amomum*)
4. Gray Dogwood
(*Cornus racemosa*)
5. Royal Purple Smokebush
(*Cotinus coggyria* 'Royal
Purple')
6. Hedge Cotoneaster
(*Cotoneaster lucida*)
7. Many Flowered Cotoneaster
(*Cotoneaster multiflora*)

Shrubs—Small—3 to 5 feet

1. Glossy Black Chokeberry
(*Aronia melanocarpa elata*)
2. Purple Fruit Chokeberry
(*Aronia prunifolia*)
3. Japanese Barberry
(*Berberis thunbergii*)
4. Golden Japanese Barberry
(*Berberis thunbergii* 'Aurea')
5. Red Leaf Barberry
(*Berberis thunbergii*
'Atropurpurea')
6. Pygmy Peashrub
(*Caragana pygmaea*)
7. Compact Lemoine Deutzia
(*Deutzia lemoinei*
'Compacta')

Shrubs—Small—3 to 5 feet (cont.)

8. Hills of Snow Hydrangea
(*Hydrangea arborescens grandiflora*)
 9. Maney Juniper
(*Juniperus chinensis* 'Maneyi')
 10. Pfitzer Juniper
(*Juniperus chinensis* 'Pfitzeriana')
 11. Golden Mockorange
(*Philadelphus coronarius* 'Aureus')
 12. Lemoine Mockorange
(*Philadelphus lemoinei*)
 13. Dwarf Ninebark
(*Physocarpus opulifolius* 'Nanus')
 14. Jackman's Bush Cinquefoil
(*Potentilla fruticosa* 'Jackman' and other selections)
 15. Fragrant Sumac
(*Rhus aromatica*)
 16. Alpine Currant
(*Ribes alpinum*)
 17. Clove Currant
(*Ribes odoratum*)
 18. Hybrid Musk Roses
(*Rosa* spp.)
 19. Ural False Spirea
(*Sorbaria sorbifolia*)
 20. Garland Spirea
(*Spiraea x arguta*)
 21. Mongolian Spirea
(*Spiraea gemmata*)
 22. Snowberry
(*Symphoricarpos albus laevigatus*)
 23. Meyer Lilac (Palibiniana)
(*Syringa meyeri*)
 24. Spreading Japanese Yew
(*Taxus cuspidata*)
13. Jaggarden Juniper
(*Juniperus procumbens*)
 14. Arcadia Juniper
(*Juniperus sabin* 'Arcadia')
 15. Skandia Juniper
(*Juniperus sabin* 'Skandia')
 16. Canby's Pachistima
(*Pachistima canbyi*)
 17. Katherine Dykes Bush Potentilla
(*Potentilla fruticosa* 'Katherine Dykes')
 18. Gold Drop Potentilla
(*Potentilla fruticosa* 'Gold Drop')
 19. Japanese White Spirea
(*Spiraea albiflora*)
 20. Anthony Waterer Spirea
(*Spiraea bumalda* 'Anthony Waterer')
 21. Alpine Spirea
(*Spiraea japonica alpina*)
 22. Hetz Midget Arborvitae
(*Thuja occidentalis* 'Hetz Midget')
 23. Dwarf European Cranberry
(*Viburnum opulus* 'Nanum')

Summer foliage color—maroon & dark purple

1. Crimson King Norway Maple
(*Acer platanoides* 'Crimson King')
2. Royal Red Maple
(*Acer platanoides* 'Royal Red')
3. Redleaf Japanese Barberry
(*Berberis thunbergi* 'Atropurpurea')
4. Crimson Pygmy Barberry
(*Berberis thunbergi* 'Crimson Pygmy')
5. Royal Purple Smokebush
(*Cotinus coggyria* 'Royal Purple')
6. Red Silver Crabapple
(*Malus* 'Red Silver')
7. Royalty Crabapple
(*Malus* 'Royalty')
8. Cistena Sandcherry
(*Prunus cistena*)
9. Newport Plum
(*Prunus* 'Newport')
10. Shubert Chokecherry
(*Prunus virginiana* 'Shubert')

Silver gray

1. Russian olive
(*Elaeagnus angustifolia*)
2. Seabuckthorn
(*Hippophae rhamnoides*)
3. Buffaloberry
(*Shepherdia argentea*)
4. Coyote Willow
(*Salix exigua*)

Yellow

1. Golden Barberry
(*Berberis thunbergi* 'Aurea')
 2. Sunburst Honeylocust
(*Gleditsia triacanthos* 'Sunburst')
 3. Golden Privet
(*Ligustrum* sp. (Golden))
1. Crimson Pygmy Barberry
(*Berberis thunbergi* 'Crimson Pygmy')
 2. Korean Littleleaf Boxwood
(Evergreen)
(*Buxus microphylla koreana*)
 3. Glove Peashrub
(*Caragana frutex* 'Globosa')
 4. Pygmy Peashrub
(*Caragana pygmaea*)
 5. New Jersey Tea
(*Ceanothus americanus*)
 6. Cranberry Cotoneaster
(*Cotoneaster apiculata*)
 7. Dwarf Bush Honeysuckle
(*Diervilla lonicera*)
 8. Turkestan Euonymus
(*Euonymus nanus turkestanicus*)
 9. Genista
(*Genista multibracteata*)
 10. Annabelle Hydrangea
(*Hydrangea arborescens* 'Annabelle')
 11. Kalm St. John's—Wort
(*Hypericum kalmianum*)
 12. Sargent's Juniper
(*Juniperus chinensis* 'Sargentii')

Summer foliage color—Yellow (cont.)

4. Golden Mockorange
(*Philadelphus coronarius*
'Aureus')
5. Golden Ninebark
(*Physocarpus opulifolius*
'Aureus')
6. Golden Elderberry
(*Sambucus canadensis*
'Aurea')
7. Sutherland Golden Elderberry
(*Samucus racemosa*
'Sutherland')

Autumn foliage color—red

1. Amur Maple (sometimes yellow)
(*Acer ginnala*)
2. Red Maple (sometimes yellow)
(*Acer rubrum*)
3. Sugar Maples (usually yellow)
(*Acer saccharum*)
4. Juneberries or Service berries
(*Amelanchier* spp.)
(sometimes yellow)
5. Black Chokeberry
(*Aronia melanocarpa*)
6. Korean Barberry
(*Berberis koreana*)
7. Japanese Barberry
(*Berberis koreana*)
8. Winged Burningbush
(*Euonymus alatus*)
9. Virginia Creeper
(*Parthenocissus quinquefolia*)
10. Pin Oak
(*Quercus palustris*)
11. Smooth Sumac
(*Rhus glabra*)
12. Staghorn Sumac
(*Rhus typhina*)
13. American Highbush Cranberry
(*Viburnum trilobum*)

Reddish purple

1. Gray Dogwood
(*Cornus racemosa*)
2. White Ash
(*Fraxinus americana*)
3. Northern Bayberry
(*Myrica pensylvanica*)
4. Arrowwood Viburnum
(*Viburnum dentatum*)
5. Nannyberry
(*Viburnum lentago*)

Yellow

1. Amur Maple (usually red)
(*Acer ginnala*)
2. Norway Maple
(*Acer platanoides*)
3. Cleveland Norway Maple
(*Acer platanoides*)
4. Red Maple (sometimes red)
(*Acer rubrum*)
5. Silver Maple
(*Acer saccharinum*)
6. Sugar Maple
(*Acer saccharum*)
7. River Birch
(*Betula nigra*)

8. Blue Beech
(*Carpinus caroliniana*)
9. Shagbark Hickory
(*Carya ovata*)
10. American Bittersweet
(*Celastrus scandens*)
11. Hackberry
(*Celtis occidentalis*)
12. Leatherwood
(*Dirca palustris*)
13. Ginkgo
(*Ginkgo biloba*)
14. Honeylocusts
(*Gleditsia triacanthos* and
cultivars)
15. Kentucky Coffeetree
(*Gymnocladus dioica*)
16. Black Walnut
(*Juglans nigra*)

Fruits adhering into winter

1. Korean Barberry
(*Berberis koreana*)
2. American Bittersweet
(*Celastrus scandens*)
3. Cockspur Hawthorn
(*Crataegus crus-galli*)
4. Russian olive
(*Elaeagnus angustifolia*)
5. Eastern Wahoo
(*Euonymus atropurpureus*)
6. Winterberry
(*Ilex verticillata*)
7. Flame Flowering Crabapple
(*Malus 'Flame'*)
8. Red Splendor Flowering Crabapple
(*Malus 'Red Splendor'*)
9. Amur Corktree
(*Phellodendron amurense*)
10. Buckthorn
(*Rhamnus cathartica*)
11. European Mountain Ash
(*Sorbus aucuparia*)
12. Snowberry
(*Symphoricarpos albus*
laevigatus)
13. Nannyberry Viburnum
(*Viburnum lentago*)
14. Highbush Cranberry
(*Viburnum trilobum*)

Especially attractive bark

1. Striped Maple (green and white)
(*Acer pensylvanicum*)
2. River Birch (exfoliating pinkish-tan)
(*Betula nigra*)
3. Paper Birch (White)
(*Betula papyrifera*)
4. Blue Beech (smooth gray)
(*Carpinus caroliniana*)
5. Shagbark Hickory
(shaggy gray)
(*Carya ovata*)
6. Redtwig Dogwood (red)
(*Cornus stolonifera*)
7. Yellowtwig Dogwood (yellow)
(*Cornus stolonifera*
flaviramea)
8. Amur Chokecherry (metallic
bronze)
(*Prunus maackii*)



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Tolerant to standing water in spring

1. Balsam Fir
(*Abies balsamea*)
2. Red Maple
(*Acer rubrum*)
3. River Birch
(*Betula nigra*)
4. Hackberry
(*Celtis occidentalis*)
5. Buttonbush
(*Cephalanthus occidentalis*)
6. Redtwig Dogwood
(*Cornus stolonifera*)
7. Green Ash
(*Fraxinus pensylvanica subintegerrima*)
8. Winterberry
(*Ilex verticillata*)
9. Tamarack
(*Larix laricina*)
10. Swamp White Oak
(*Quercus bicolor*)
11. Willows
(*Salix* spp.)
12. Eastern Arborvitae
(*Thuja occidentalis*)
13. American Linden
(*Tilia americana*)
14. American Elm
(*Ulmus americana*)
15. Nannyberry Viburnum
(*Viburnum lentago*)
16. Highbush Cranberry
(*Viburnum trilobum*)

Tolerant to shade

1. Balsam Fir
(*Abies balsamea*)
2. Amur Maple
(*Acer ginnala*)
3. Sugar Maple
(*Acer saccharum*)
4. Juneberries
(*Amelanchier* spp.)
5. Chokeberries
(*Aronia* spp.)
6. Korean Littleleaf Boxwood
(*Buxux microphylla koreana*)
7. Pagoda Dogwood
(*Cornus alternifolia*)
8. Winged Euonymus
(*Euonymus alatus*)
9. Hills of Snow Hydrangea
(*Hydrangea arborescens*)
10. Annabelle Hydrangea
(*Hydrangea arborescens* 'Annabelle')
11. Ironwood
(*Ostrya virginiana*)
12. Buckthorn
(*Rhamnus cathartica*)
13. Alpine Currant
(*Ribes alpinum*)

14. Ural False Spirea
(*Sorbaria sorbifolia*)
15. Japanese Yew
(*Taxus cuspidata*)
16. Eastern Arborvitae
(*Thuja occidentalis*)
17. Canadian Hemlock
(*Tsuga canadensis*)
18. Arrowwood Viburnum
(*Viburnum dentatum*)
19. Nannyberry
(*Viburnum lentago*)
20. European Highbush Cranberry
(*Viburnum opulus*)

Tolerant to drought

1. Acanthopanax
(*Acanthopanax sieboldianus*)
2. Japanese Barberry
(*Berberis thunbergii*)
3. Siberian Peashrub
(*Caragana arborescens*)
4. Pygmy Peashrub
(*Caragana pygmaea*)
5. New Jerseytea
(*Ceanothus americanus*)
6. Gray Dogwood
(*Cornus racemosa*)
7. Hawthorns
(*Crataegus* spp.)
8. Dwarf Bush honeysuckle
(*Dierilla lonicera*)
9. Russian olive
(*Elaeagnus angustifolia*)
10. Green Ash
(*Fraxinus pensylvanica subintegerrima*)
11. Prostrate Juniper
(*Juniperus communis depressa*)
12. Eastern Red Cedar
(*Juniperus virginiana*)
13. Potentilla
(*Potentilla fruticosa*)
14. Ninebark
(*Physocarpus opulifolius*)
15. Jack Pine
(*Pinus banksiana*)
16. Red Pine
(*Pinus resinosa*)
17. Scotch Pine
(*Pinus sylvestris*)
18. Wild Plum
(*Prunus americana*)
19. Chokecherry
(*Prunus virginiana*)
20. Bur Oak
(*Quercus macrocarpa*)
21. Fragrant Sumac
(*Rhus aromatica*)
22. Smooth Sumac
(*Rhus glabra*)
23. Arctic Willow
(*Salix arctica*)
24. Buffaloberry
(*Shepherdia argentea*)