Great trees begin here!

Our reference guide describes most of the 500+ species and cultivars of shade, flowering, native and specialty ornamentals we grow in fertile Oregon soils. Founded in 1946 on 10 acres by Evelyn and J. Frank Schmidt, Jr., our company is known as a premier wholesale source of contemporary deciduous tree cultivars, and introducer of more than 80 unique trees.

Today, “we’re growing new ideas” under the direction of second and third-generation members of the Schmidt family, dedicated staff, and a national network of regional sales representatives. Our bare root, container and B&B trees are sold to U.S., Canadian and international customers.

Our unique outreach to landscape architects, designers, arborists, urban foresters, horticultural researchers and garden writers adds value to trees. By highlighting their environmental, economic, social and health benefits and the essential role they play in growing livable, sustainable communities, we demonstrate that “Trees Are The Answer.”
Sales Team
Knowledgeable, friendly, customer service representatives deliver personalized customer care from our Oregon office. They work closely with our nationwide network of field representatives who live in the regions they serve, providing sales and marketing advice, planting and cultural recommendations, and customer service tailored to local growing conditions and market demands. Connect with your local representative via our website: www.jfschmidt.com/salesteam.html

Product Line
Bare root, container, root bags, B&B: Our broad product line of more than 500 species and cultivars of deciduous shade, flowering and specialty ornamental deciduous trees are offered in various forms. A select line of grafted conifers is also available in containers and B&B. Visit our website to learn about the many forms we offer including whips, branched trees, contorted, top grafts, multi-stem, clump, VigorLiner®, CustomValue® and more. www.jfschmidt.com/productline.html

Marketing and Promotional Materials
Our trees are supported by extraordinary marketing and promotional materials. This reference guide is a coveted handbook of modern tree cultivars. Custom picture tags, point-of-purchase signage, trunk wraps, posters and tree data sheets demand attention at landscape distribution centers and retail garden stores. Learn more about our trees online at www.jfschmidt.com. Discover additional marketing resources at: www.jfschmidt.com/services.html

Step One
Consult the pages of this Reference Guide for detailed descriptions of more than 500 superior tree varieties and cultivars including foliage, flower, fruit, fall color, hardiness and mature size and form.

Step Two
Before you specify, send us your "want list" of the trees we grow. Include quantity, size desired, and project location. We'll match your needs with nurseries in your region that have purchased those varieties for growing on to specimen size.

Step Three
We provide the names of nearby growers so you can contact them about current availability. Thanks to the broad network of nurseries we supply, the trees you need are likely to be a blip on our TreeLocator™ radar screen.
Roots!

The source of many tree issues can be traced to the roots. Ultimately, the success of a tree depends upon the quality and health of this hidden and often misunderstood element. Our concern for your success and the long term survival of trees is the reason we focus on growing great roots. Here, we pay as much attention to growing excellent roots as we do to developing straight, strong trunks and well-balanced branching.

Undercutting, root pruning and transplanting are among the techniques we use to grow trees with strong, sturdy, well-shaped roots on trees that will thrive for you. Here we outline some of the steps we take to ensure healthy roots and vigorous trees.

Growing our own seedlings, maintaining our own stock blocks for cuttings and grafting wood, and growing out our own liners from tissue culture plantlets ensures quality from the beginning.

Quality control includes adherence to strict grading and quality standards for seedlings, cuttings and tissue culture plants. These are outlined in carefully developed growing manuals for each species. Bare root graders are trained to be as critical regarding root quality as they are in grading tops.

Hand pruning of bare root transplants, and the roots of container-grown plants is routinely done before lining out in the fields or containerizing.

Undercutting has always played an important role in our efforts to develop strong, balanced, healthy root systems. The practice also helps to develop more compact, balanced canopies of vigorous-growing varieties by controlling branch length.

Seedlings and cuttings grown in the raised beds at our seedling operations are undercut and are often transplanted and grown an extra year before lining out in rows in the fields. Certain varieties in our production fields are side-cut to encourage root development.

Our hilled row planting system for trees lined out in the fields improves planting depth, root structure, and overall tree health.

Strict planting protocols assure proper planting depth when trees are transplanted from seedbed or greenhouse to bare root and B&B fields or containers.

Rootstock choices are available in some varieties. Certain oaks, crabapples, pear and others are offered on two or more rootstocks so customers can choose the best options for their growing conditions.

Air pruning containers, developed with the assistance of experts in the growing of trees with healthy roots in containers, helped us design and develop a new air pruning container that produces trees with superior roots.
Tree shape and growth habit change as a tree grows. Young trees are often upright, while older ones of the same cultivar may become spreading. “Mature” size of a tree varies by climate, landscape site characteristics and how long the tree lives. City trees rarely reach the size and age of their counterparts in native forest stands.

In a city situation, trees that reach 30 years of age generally grow slowly beyond that time. Therefore, the size ratings and growth habits shown in this publication are our best estimates for a healthy 30 year old tree grown under “average” city conditions.

© J. Frank Schmidt & Son Co. tree form illustrations

Our grading standards follow the system developed by the American Nursery & Landscape Association (ANLA), now known as AmericanHort™ (American Horticulture Industry Association). Caliper measurements are taken at six inches above the soil line. The American Standard for Nursery Stock, approved by the American National Standards Institute, Inc. (ANSI), is available as a free download from the AmericanHort™ website, www.AmericanHort.org (614-487-1117)

Thanks to our extensive research and development efforts, and collaboration with a worldwide network of tree breeders, J. Frank Schmidt & Son Co. has introduced or co-introduced more than 70 improved tree cultivars. Each is identified by this icon:

Trees branded as UtiliTrees™ are those best suited for planting in the restricted zone between street and sidewalk and beneath utility lines. Small stature, adaptability, pest resistance, and low maintenance requirements are among the characteristics of trees you’ll find listed on Page 74, at www.utilitrees.com and identified with this icon:

© J. Frank Schmidt & Son Co.
**Acer circinatum 'JFS-Purple'**

**Pacific Purple® Maple**

- Zone: 6
- Height: 12’
- Spread: 12’
- Shape: Multi-stemmed, upright spreading
- Foliage: Bronze-green turns purple
- Fall Color: Orange-bronze
- Fruits: Purple winged samaras

A totally new appearance for the Pacific Northwest’s native vine maple, this cultivar boasts bronze-green new growth in the spring that turns to deep purple in the heat of the summer and holds until fall. Discovered by J. Frank Schmidt III.

**Acer × freemanii 'Celzam'**

**Celebration® Maple**

- Zone: 4
- Height: 50’
- Spread: 35’
- Shape: Broadly oval
- Foliage: Green
- Fall Color: Yellow to orange

Leaves are deeply cut and resemble those of Silver Maple, but the tree has better form. Open branch angles and strong wood resist storm and ice damage. Tolerant of urban soils.

**Acer × freemanii 'AF#1' PP 15593**

**Firefall™ Maple**

- Zone: 3b
- Height: 50’
- Spread: 35’
- Shape: Upright oval
- Foliage: Green
- Fall Color: Orange-red to red
- Fruit: Seedless

Deeply cut foliage, exceptional cold hardiness, and bright red fall color are among the special attributes of this tree. A controlled cross of Beebe cutleaf silver maple and Autumn Spire red maple, this University of Minnesota release is a fast growing, bright performer for the North.

**Acer × freemanii 'Sienna' PP 11322**

**Sienna Glen® Maple**

- Zone: 3
- Height: 50’
- Spread: 35’
- Shape: Pyramidal
- Foliage: Green
- Fall Color: Rusty orange to burgundy
- Fruit: Reported seedless

This hardy hybrid maple was discovered in Minnesota. It features a strong central leader and develops a pyramidal form with minimal pruning. This is a tough, low maintenance tree.

**Acer × freemanii 'DTR 102'**

**Autumn Fantasy® Maple**

- Zone: 4
- Height: 50’
- Spread: 40’
- Shape: Broadly oval
- Foliage: Green
- Fall Color: Bright red

A fast growing hybrid of Red and Silver maple, it consistently produces very good fall color, even in warmer climates.

Drought tolerance and exceptionally bright red fall color are hallmarks of this popular and proven performer. A hybrid of Red and Silver Maple, this vigorous grower combines the best attributes of both in a stately, adaptable, fast growing shade tree.

**Acer × freemanii 'Marmo'**

**Marmo Maple**

- Zone: 3
- Height: 55’
- Spread: 45’
- Shape: Upright, oval
- Foliage: Medium green
- Fall Color: Orange to orange-red

A seedless hybrid of Red and Silver Maple, its growth rate and form are similar to that of Silver Maple, while its fall color is that of Red Maple. Resistance to frost cracking is also a plus.
Acer ginnala

Amur Maple

**Flame Maple**

Zone: 2  
Height: 20'  
Spread: 20'  
Shape: Low branched or multi-stemmed tree, rounded  
Foliage: Medium green, fine texture  
Fall Color: Brilliant orange-red to deep red

One of the hardiest trees available. Specimens are very interesting in form because of their spreading branch pattern. Flame is a seed source selection, chosen for improved form and consistent fall color.

Acer ginnala ‘JFS-UGA’

**Red November™ Maple**

Zone: 4  
Height: 18'  
Spread: 24'  
Shape: Low branched or multi-stemmed tree  
Foliage: Bright green, fine textured  
Fall Color: Bright red

Selected by Dr. Michael Dirr, this tree features bright green foliage that stays fresh and clean despite summer stress. Bright red fall color develops later than that of typical seedlings. This heat adapted Amur maple evolved from the heat of Georgia should perform well all across the southern U.S.

Acer ginnala ‘Ruby Slippers’

**Ruby Slippers Maple**

Zone: 3  
Height: 20'  
Spread: 20'  
Shape: Low branched, upright spreading to rounded  
Foliage: Medium green, fine textured  
Fall Color: Bright red  
Fruit: Bright red samaras

Selected for a straight trunk, dense canopy, and bright red samaras in early summer, this cultivar brings uniformity to a variable species. It shows good nursery form and bright fall color.

Acer glabrum

Rocky Mountain Maple

**Rocky Mountain Maple**

Zone: 5  
Height: 25'  
Spread: 15'  
Shape: Oval  
Foliage: Medium green  
Fall Color: Yellow-orange to red

This wide ranging Western tree is native from SE Alaska through the Rocky Mountains. Deeply lobed, serrated leaves are borne on purplish red stems, accented in late summer by red-tinted samaras. Fall colors are bright, and red twigs enliven the winter landscape.

Acer grandidentatum

Big Tooth Maple

**Big Tooth Maple**

Zone: 4  
Height: 20'  
Spread: 20'  
Shape: Rounded  
Foliage: Medium green  
Fall Color: Orange-red to red

Native to the Rocky Mountains, this smaller cousin of the eastern sugar maple tolerates the quick changing weather of the western mountains. In its native habitat, it lights up the canyons with bright red fall color.

Acer grandidentatum × saccharum ‘Hipzam’

**Highland Park® Maple**

Zone: 4  
Height: 35'  
Spread: 22'  
Shape: Pyramidal  
Foliage: Dark green  
Fall Color: Red

Intermediate in size, this tree appears to be a hybrid between *A. grandidentatum* and *A. saccharum*. Tightly upright and pyramidal, its thick leaves are tatter resistant and turn bright red in autumn. Faster growing and more upright than typical bigtooth maple yet smaller and more heat resistant than sugar maple.
**Acer grandidentatum ‘Schmidt’**

**Rocky Mountain Glow® Maple**

Zone: 4  
Height: 25'  
Spread: 15'  
Shape: Oval  
Foliage: Dark green  
Fall Color: Yellow to orange-red

This slow growing relative of the Sugar Maple is native to the Rocky Mountains. It is similar to Sugar Maple, but both leaves and tree are smaller. Intense fall color.

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**Acer macrophyllum**

**Bigleaf Maple**

Zone: 6  
Height: 60'  
Spread: 50'  
Shape: Broadly oval to rounded  
Foliage: Dark green  
Fall Color: Yellow

An extremely vigorous west coast native, with leaves that can measure a foot across. Forms a broad canopy quickly, it is especially valuable for planting natural areas in its native range.

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**Acer griseum**

**Paperbark Maple**

Zone: 5  
Height: 25'  
Spread: 20'  
Shape: Upright, spreading, rounded crown  
Foliage: Trifoliate, dark green  
Fall Color: Red

A small tree of rare beauty, this trifoliate maple’s compound leaves give it a delicate texture in summer, then display long lasting red fall color. Exfoliating orange-brown to cinnamon-brown bark creates year round interest.

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**Acer japonicum**

**Ed Wood Fullmoon Maple**

Zone: 5  
Height: 20'  
Spread: 25'  
Shape: Broadly upright spreading  
Foliage: Green, large, deeply cut  
Fall Color: Orange, yellow, and red

Excellent fall color, vigorous growth, and leaves much larger than those of the species are merits of this outstanding seedling of ‘Aconitifolium’. Selected by plantsman Ed Wood, its large, fan-like, cutleaf foliage and curving branches give a tropical feel to landscape plantings.

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**Acer negundo**

**Box Elder**

**Sensation Box Elder**

Zone: 4b  
Height: 30’  
Spread: 25’  
Shape: Rounded  
Foliage: Medium green  
Fall Color: Brilliant red  
Fruit: Seedless

Sensation is a male box elder clone that features slower, more controlled growth, improved branch structure, and an outstanding display of brilliant red autumn foliage. Warren Carnefix of Fruitland Nursery discovered the original tree growing near an abandoned Idaho homestead.

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**Acer nigrum**

**Black Maple**

**Greencolumn Maple**

Zone: 4  
Height: 50’  
Spread: 20’  
Shape: Upright, narrow  
Foliage: Light green  
Fall Color: Yellow to apricot orange, excellent

An upright oval tree with good resistance to heat, this is a selection of Black Maple. Better adapted to hot dry conditions than Sugar Maples. Leaves are yellow-orange, instead of red, in the fall. The original tree was selected by Bill Heard from a native stand in central Iowa.

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**Acer palmatum**

**Japanese Maple**

**State Street® Maple**

Zone: 4  
Height: 50’  
Spread: 35’  
Shape: Upright oval  
Foliage: Dark green  
Fall Color: Yellow

Think of this Morton Arboretum release as a turbo-charged, more hardy alternative to A. campestre. Rough corky bark and leaf shape are similar to Hedge Maple, but its stronger growth rate and ascending branch habit result in a larger mature size. Excellent drought and cold tolerance and clean, pest-free foliage.

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The green leaved, seedling grown Japanese Maple has fine textured foliage and a light airy appearance. It is generally faster growing and adapts to more difficult environments than the hundreds of cultivars which derive from it.
**Acer palmatum ‘Bloodgood’**

**Bloodgood Japanese Maple**

Zone: 5  
Height: 18'  
Spread: 18'  
Shape: Upright, becoming broad topped with age  
Foliage: Purple-red  
Fall Color: Red

Widely used, well known, and reliable. Grown both as single-trunked and multi-stem trees, Bloodgood is the standard for comparison among the purple leaved, upright growing Japanese Maples.

**Acer palmatum ‘Crimson Prince’**

**Crimson Prince Japanese Maple**

Zone: 5  
Height: 20'  
Spread: 22'  
Shape: Upright, arching and spreading  
Foliage: Deep purple-red  
Fall Color: Red

Introduced as an improved seedling of Bloodgood, Crimson Prince was selected for deeper purple-red summer color, better winter hardiness and faster growth. Purpish-brown bark is distinctive in winter.

**Acer palmatum ‘Glowing Embers’**

**Glowing Embers Japanese Maple**

Zone: 5  
Height: 22'  
Spread: 24'  
Shape: Broadly upright spreading  
Foliage: Dark green, fine textured  
Fall Color: Orange to red-purple

A superior performer in hot southern climates, this small leaved Japanese maple was selected by Dr. Michael Dirr for vigorous growth, high heat tolerance and consistently bright fall color. Dark green foliage resists summer heat before turning brilliant colors in autumn.

**Acer palmatum ‘Sango Kaku’**

**Sango Kaku Japanese Maple**

Zone: 6  
Height: 18'  
Spread: 14'  
Shape: Upright to upright spreading  
Foliage: Bright medium green  
Fall Color: Gold

Sometimes called Coral Bark Maple, this tree is famous for its bright red bark, which is particularly intensely colored in the winter. It’s a little narrower and more upright than most tree form Japanese Maples.

**Acer palmatum dissectum ‘Shishigashira’**

**Shishigashira Japanese Maple**

Zone: 6  
Height: 15'  
Spread: 10'  
Shape: Upright, vase shaped  
Foliage: Deep green, crinkled  
Fall Color: Golden to orange-red

Commonly known as Lion’s Head Maple, this slow growing cultivar has unique, crinkly leaves. Interesting foliage coupled with compact growth make this an ideal small tree for patio or lawn.

**Acer palmatum dissectum ‘Crimson Queen’**

**Crimson Queen Japanese Maple**

Zone: 5  
Height: 6'  
Spread: 8'  
Shape: Weeping, mounded  
Foliage: Laceleaf, deep purple-red  
Fall Color: Scarlet

Among the red laceleaf cultivars, the foliage of Crimson Queen is particularly heat resistant. Delicate leaves maintain their deep purple-red color through the summer months and turn scarlet in the fall.

**Acer palmatum dissectum ‘Seiryu’**

**Seiryu Japanese Maple**

Zone: 5  
Height: 12'  
Spread: 14'  
Shape: Upright to upright spreading  
Foliage: Laceleaf, bright green  
Fall Color: Golden orange to orange-red

Refined, deeply dissected green leaves make this upright growing form of laceleaf Japanese Maple a valuable addition to the roster of small garden trees. Faster growing than weeping forms, it produces a delicately beautiful garden specimen that has remarkably good heat tolerance.

**Acer pensylvanicum**

**Striped Maple**

Zone: 3  
Height: 25'  
Spread: 20'  
Shape: Upright spreading, broadly oval  
Foliage: Dark green  
Fall Color: Yellow

A wonderful tree for a cool, shady garden, the green and white vertically striped bark is especially outstanding in the winter. Very cold hardy, its foliage turns soft yellow in the fall.
Acer platanoides

Acer platanoides ‘Columnar’

Columnar Norway Maple

Zone: 4
Height: 35’
Spread: 15’
Shape: Narrow, upright, with ascending branches
Foliage: Dark green
Fall Color: Yellow

True to its name, this cultivar produces a column of green foliage. It is ideal for street use where buildings demand a narrow tree. It develops stout branches which grow stiffly upward, almost parallel to the main stem, which gives it a bold appearance in winter.

Acer platanoides ‘Conzam’

Conquest™ Maple

Zone: 4
Height: 40’
Spread: 20’
Shape: Narrow oval
Foliage: Reddish-purple new growth, matures to bronze green
Fall Color: Bronze-orange

Of lighter purple foliage color and intermediate in form between Crimson King and Crimson Sentry, this upright tree grows quickly with a sturdy trunk caliper. Its narrowly oval shape at maturity is ideal for street use.

Acer platanoides ‘Crimson King’

Crimson King Maple

Zone: 4
Height: 40’
Spread: 35’
Shape: Oval when young, becoming rounded
Foliage: Deep purple
Fall Color: Maroon to reddish-bronze

The most commonly used cultivar of the purple-leafed Norway Maples, Crimson King retains its purple foliage color well from spring until fall.

Acer platanoides ‘Crimson Sentry’

Crimson Sentry Maple

Zone: 4b
Height: 25’
Spread: 15’
Shape: Compact and dense, pyramidal to oval
Foliage: Deep purple
Fall Color: Maroon to reddish-bronze

This bud sport of Crimson King shares the deep purple leaf color of its parent, but matures to a much smaller ultimate size. A very compact, heavily branched, upright tree.

Acer platanoides ‘Crimson Sentry’

Crimson Sentry Maple

Zone: 4
Height: 45’
Spread: 35’
Shape: Upright oval
Foliage: Reddish-purple new growth, matures to bronze green

This improved ‘Schwedler’ type maple, with reddish purple new growth. Narrower and more upright in form than Schwedler or Deborah.

Acer platanoides ‘Deborah’

Deborah Maple

Zone: 3b
Height: 45’
Spread: 40’
Shape: Broadly oval to rounded
Foliage: Reddish-purple in the spring, becoming dark bronze-green in the summer
Fall Color: Bronze

Deborah is a beautiful tree in spring and early summer when new leaves unfold, red tinted then purplish as they expand. In summer the tree becomes dark bronze-green.

Acer platanoides ‘Emerald Queen’

Emerald Queen™ Maple

Zone: 4
Height: 50’
Spread: 40’
Shape: Dense oval, with upright spreading branches
Foliage: Deep green, reddish tint in spring
Fall Color: Yellow

Emerald Queen™ is probably the most widely used Norway Maple cultivar. In many respects it is the best green leaved selection. It forms a well shaped oval tree with good environmental tolerance and reliable yellow fall color.

Acer platanoides ‘Emerald Lustre®

Emerald Lustre® Maple

Zone: 3
Height: 45’
Spread: 40’
Shape: Upright spreading, rounded
Foliage: Medium green
Fall Color: Yellow

A vigorous selection which forms a rounded canopy, this tree was selected for its tendency to branch out heavily as a young tree in the nursery.
Acer platanoides ‘Globosum’

Globe Norway Maple

Zone: 4
Height: 15’
Spread: 18’
Shape: Dense, round
Foliage: Medium green
Fall Color: Yellow

A very formal looking tree, Globe is dense, compact and aptly named. It produces a 15 foot green “lollipop”. Globe’s perfect symmetry makes a dramatic statement in the landscape.

Acer platanoides ‘Columnarbroad’

Parkway® Maple

Zone: 3
Height: 40’
Spread: 25’
Shape: Oval, with good central leader
Foliage: Dark green
Fall Color: Yellow

DISEASE RESISTANCE: Verticillium tolerant

Parkway® is one of the best Norway Maples for city use because of its pyramidal to oval shape, well behaved branching and strong central leader. It has proven to be a healthy tree and is ideal for use along city streets and boulevards.

Acer platanoides ‘Princeton Gold’

Princeton Gold® Maple

Zone: 4
Height: 35’
Spread: 30’
Shape: Oval
Foliage: Bright yellow
Fall Color: Yellow

Princeton Gold is characterized by yellow foliage, particularly bright on new growth. The overall coloration is similar to Sunburst® Honeylocust.

Acer platanoides ‘Royal Red’

Royal Red Maple

Zone: 4
Height: 40’
Spread: 30’
Shape: Oval when young, becoming rounded
Foliage: Deep purple
Fall Color: Maroon to reddish-bronze

This purple leafed selection is very similar to Crimson King, but is considered by some people to have better cold hardiness.

Acer platanoides ‘Drummondii’

Silver Variegated Maple

Zone: 4
Height: 35’
Spread: 25’
Shape: Broadly oval
Foliage: Variegated, light green with creamy white margin
Fall Color: Yellowish

Admired for its unusual variegated foliage, it has a striking, brilliant effect in a landscape. Individual branches may occasionally revert to green and must be pruned out.

Acer pseudoplatanus

Sycamore Maple

Zone: 4
Height: 40’
Spread: 30’
Shape: Upright spreading branches, rounded crown
Foliage: Dark green
Fall Color: Yellow

Adaptable to varied growing conditions including high pH soils and exposed sites. Salt tolerant and appropriate for planting near the seashore.

Acer pseudosieboldianum

Korean Maple

Zone: 4
Height: 22’
Spread: 18’
Shape: Upright to upright spreading
Foliage: Green
Fall Color: Yellow-orange to bright red

Very cold hardy yet delicate in appearance, this close relative of Japanese maple brings an oriental elegance to the northern garden. A little more upright than Japanese maple, it displays small reddish-purple flowers in spring and brightly colored foliage in autumn.

© J. Frank Schmidt & Son Co.
Acer pseudosieboldianum × palm. ‘Hasselkus’

**Northern Glow® Maple**

*Zone*: 4  
*Height*: 20’  
*Spread*: 24’  
*Shape*: Upright, then broadly spreading  
*Foliage*: Green  
*Fall Color*: Bright orange-red to deep red

Enjoy the refined character of Japanese maple beyond its traditional hardiness range with this hybrid selection. Developed in Madison, WI, by Professor Ed Hasselkus, it originated from seed of the tough and cold-hardy Korean maple, but most resembles its A. palmatum parent. Attractive in summer green, its graceful, spreading form glows bright with fall colors.

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**Acer rubrum**

_Acer rubrum_ **Red Maple**

*Zone*: 4  
*Height*: 40’  
*Spread*: 40’  
*Shape*: Broadly oval to round  
*Foliage*: Green  
*Fall Color*: Yellowish orange to bright red

Native to eastern U.S., this tree is well adapted to city conditions and wet soils. This is the parent species of numerous cultivars.

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**Acer rubrum ‘Armstrong’**

_Acer rubrum_ **Armstrong Maple**

*Zone*: 4  
*Height*: 45’  
*Spread*: 15’  
*Shape*: Narrow, fastigiate  
*Foliage*: Light green  
*Fall Color*: Yellow to orange-red

Armstrong is a fast growing columnar selection. It produces a very tall, narrow tree with ascending branches. It is widely used for street planting where space demands a tree which will not spread.

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**Acer rubrum ‘JFS-KW78’ P.A.F.**

_Acer rubrum_ **Armstrong Gold™ Maple**

*Zone*: 4  
*Height*: 40’  
*Spread*: 12’  
*Shape*: Narrow, tightly fastigiate  
*Foliage*: Medium green  
*Fall Color*: Golden to orange

Selected from an evaluation of hundreds of seedlings of Armstrong, this cultivar improves greatly on the parent, with brighter foliage color, greater foliage density and compact, less leggy growth habit. Improved columnar form recommends it for narrow street planting sites.

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**Acer rubrum ‘Autumn Flame’**

_Acer rubrum_ **Autumn Flame Maple**

*Zone*: 3b  
*Height*: 35’  
*Spread*: 35’  
*Shape*: Dense, rounded with spreading branches  
*Foliage*: Medium green  
*Fall Color*: Bright red  
*Fruit*: Seedless

Autumn Flame is one of the hardiest of Red Maples, is seedless, and is the first to color in the fall. Although its color doesn’t hold as long as Red Sunset®, which colors about a week later, it reliably produces a brilliant red. Slower growing with smaller leaves than most, Autumn Flame produces a very symmetrical, rounded crown.

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**Acer rubrum ‘Bowhall’**

_Acer rubrum_ **Bowhall Maple**

*Zone*: 4  
*Height*: 40’  
*Spread*: 15’  
*Shape*: Upright, very narrow  
*Foliage*: Light green  
*Fall Color*: Yellow-orange to reddish-orange

Bowhall is a tightly formed, sturdy, narrow tree excellent for street plantings. It stays smaller than Armstrong and has better foliage color in both summer and fall.

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**Acer rubrum ‘Brandywine’**

_Acer rubrum_ **Brandywine Maple**

*Zone*: 4  
*Height*: 40’  
*Spread*: 30’  
*Shape*: Oval  
*Foliage*: Dark green  
*Fall Color*: Deep red  
*Fruit*: Seedless

Introduced by the National Arboretum, Brandywine is a cross of October Glory® and Autumn Flame. Seedless, it produces deep red fall color ten days later than most red maples and has proven to be well adapted in the South.

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A slender column of deep green summer foliage transforms to candle-bright leaves in autumn. A perfect shade tree for space-challenged gardens and street-side plantings!

www.ArmstrongGoldMaple.com
Acer rubrum 'Karpick'

**Karpick® Maple**

- **Zone:** 4
- **Height:** 40’
- **Spread:** 20’
- **Shape:** Narrow oval
- **Foliage:** Green
- **Fall Color:** Yellow to orange

Narrow when young, becoming oval with age, it has an excellent form for use as a street tree.

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Acer rubrum 'Morgan' C.O.P.F.

**Morgan Maple**

- **Zone:** 4
- **Height:** 45’
- **Spread:** 40’
- **Shape:** Broadly oval
- **Foliage:** Green
- **Fall Color:** Orange-red to red, reliable

An extremely vigorous cultivar, it calipers well in the nursery. Selected at Macdonald College in Quebec, it colors very well even in mild climates.

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Acer rubrum 'Northwood'

**Northwood Maple**

- **Zone:** 3
- **Height:** 40’
- **Spread:** 35’
- **Shape:** Broadly oval to rounded
- **Foliage:** Medium green
- **Fall Color:** Deep red

Selected from a Northern Minnesota seed source by the University of Minnesota, Northwood is probably the hardiest of the Red Maples. It has a straight trunk and good branch angles. Its fall color is not as reliable as some of the other Red Maples.

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Acer rubrum 'October Glory'

**October Glory® Maple**

- **Zone:** 5
- **Height:** 40’
- **Spread:** 35’
- **Shape:** Broadly oval to round
- **Foliage:** Medium green, glossy
- **Fall Color:** Deep red to reddish-purple

October Glory® is a round headed selection which is the last cultivar to color in the fall. While it is less cold hardy than most cultivars, it seems to be better adapted to areas with mild winters and hot summer temperatures.

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Acer rubrum 'Red Rocket'

**Red Rocket Maple**

- **Zone:** 3
- **Height:** 38’
- **Spread:** 15’
- **Shape:** Upright, narrow
- **Foliage:** Green
- **Fall Color:** Orange red to red
- **Fruit:** Seedless

Narrow and upright, this red maple appears to be as tight as Bowhall, but a little slower growing. From a Minnesota seed source, it is one of the most cold hardy cultivars. Fall color is very bright, orange red to red.

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Acer rubrum 'Frank Jr.' PP 16769

**Redpointe® Maple**

- **Zone:** 5
- **Height:** 45’
- **Spread:** 30’
- **Shape:** Broadly pyramidal
- **Foliage:** Dark green
- **Fall Color:** Bright red

Brilliant red fall color plus upright, broadly pyramidal form make this Schmidt introduction a standout. The refined form and foliage of the best *Acer rubrum* cultivars combine with the faster growth rate normally found in *Acer × freemanii*. A straight and dominant central leader results in strong branch angles that make it easier to grow.

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Acer rubrum 'Scarsen'

**Scarlet Sentinel® Maple**

- **Zone:** 4
- **Height:** 40’
- **Spread:** 20’
- **Shape:** Upright, rather narrow
- **Foliage:** Dark green
- **Fall Color:** Yellow-orange to orange-red

A strong upright branch pattern gives Scarlet Sentinel® an oval to rectangular outline and a bold appearance that makes it an excellent tree for streets and parking lots. Leaves are darker green and larger than those of other Red Maples, and they hold up well in summer heat.
Acer saccharinum
Silver Maple

Acer saccharum
Sugar Maple

Acer rubrum ‘Somerset’
Somerset Maple

Zone: 4
Height: 45’
Spread: 35’
Shape: Broadly oval to round
Foliage: Dark green
Fall Color: Bright red
Fruit: Seedless

A National Arboretum introduction, the seedless Somerset resulted from crossing October Glory® with Autumn Flame. It has excellent form in the nursery and consistent bright red fall color.

Acer rubrum ‘Sun Valley’
Sun Valley Maple

Zone: 5b
Height: 40’
Spread: 35’
Shape: Oval, symmetrical, densely branched
Foliage: Dark green
Fall Color: Bright red
Fruit: Seedless

This U. S. National Arboretum introduction glows in the fall with reliable bright red color. A hybrid between Red Sunset® and Autumn Flame, it is seedless and features a very uniform, dense oval head.

Acer saccharinum
Silver Maple

Acer saccharum ‘Silver Queen’
Silver Queen Maple

Zone: 3
Height: 50’
Spread: 40’
Shape: Oval with upright spreading branches
Foliage: Medium green above, silvery beneath
Fall Color: Yellow
Fruit: Seedless

A dominant central leader and better crotch angles promise improved storm resistance over Silver Maples grown from seed. Slender branches and upright, spreading form add refinement to this heat and cold tolerant, tough and durable shade tree.

Acer saccharum
Sugar Maple

Acer rubrum ‘Somerset’
Somerset Maple

Zone: 4
Height: 45’
Spread: 35’
Shape: Broadly oval to rounded
Foliage: Medium green
Fall Color: Orange, red and scarlet

One of the finest trees for fall color. Somewhat slow growing but long lived, it acquires a stateliness all its own.

Acer rubrum ‘Sun Valley’
Sun Valley Maple

Zone: 5b
Height: 40’
Spread: 35’
Shape: Upright oval
Foliage: Medium green
Fall Color: Orange red to red

Strong upright growth and reliable, early fall color make this a standout in the nursery and on the streets. Vigorous, with a good central leader, it is faster growing with a more upright shape than typical of sugar maples.

INSECT RESISTANCE: Japanese beetle

Unique narrowness, dense branching and symmetrical compact form make this dwarf and columnar Sugar Maple ideal for limited spaces. Dark green foliage withstands summer heat.

Acer saccharum ‘Arrowhead’
Arrowhead Maple

Zone: 3
Height: 50’
Spread: 30’
Shape: Pyramidal to upright oval
Foliage: Dark green
Fall Color: Yellow-orange to red-orange

Distinctively narrow form with a strong central leader, Arrowhead is more upright than most sugar maples. Autumn leaves turn golden yellow to bright orange-red.

Acer saccharum
Sugar Maple

INSECT RESISTANCE: Japanese beetle

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Somerset Maple

Zone: 4
Height: 45’
Spread: 35’
Shape: Broadly oval to rounded
Foliage: Medium green
Fall Color: Orange, red and scarlet

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Fall Color: Orange red to red

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Acer saccharum
Sugar Maple

INSECT RESISTANCE: Japanese beetle

A dominant central leader and better crotch angles promise improved storm resistance over Silver Maples grown from seed. Slender branches and upright, spreading form add refinement to this heat and cold tolerant, tough and durable shade tree.
**Acer saccharum** 'Autumn Splendor'  
**Autumn Splendor Maple**

- **Zone:** 5
- **Height:** 45’
- **Spread:** 40’
- **Shape:** Broadly oval to rounded
- **Foliage:** Glossy green
- **Fall Color:** Bright orange-red

One of the best and brightest sugar maples for the southern plains and the Southwest. Selected from an isolated strain of sugar maple found in Caddo County, Oklahoma, by the late Dr. John Pair of Kansas State University. It is very resistant to heat, drought and leaf tatter.

**Acer saccharum** 'Commemoration'  
**Commemoration® Maple**

- **Zone:** 4
- **Height:** 50’
- **Spread:** 35’
- **Shape:** Oval to rounded
- **Foliage:** Glossy green
- **Fall Color:** Orange

This rapid growing Sugar Maple has thick, heavy leaves that are resistant to leaf tatter. It branches well as a young tree and develops good caliper.

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**INSECT RESISTANCE:** Japanese beetle

Adapted to heat and humidity, this southern Tennessee selection was tested in Alabama by Jeff Sibley of Auburn University. Summer foliage is fresh and bright green compared to other sugar maples that suffer in hot weather. Additionally, it is among the narrowest and upright forms we have seen.

**Acer saccharum** 'Bailsta' PP 11119  
**Fall Fiesta® Maple**

- **Zone:** 4
- **Height:** 50’
- **Spread:** 40’
- **Shape:** Broadly ovate
- **Foliage:** Dark green
- **Fall Color:** Orange, red, and yellow

Selected from Caddo Mountain sugar maple seedlings, this tree has the brightest red fall color we have seen in a cultivar adapted to Southern growing conditions. Vigorous growth, open branch angles, a strong central leader and improved mildew resistance recommend it as the best of the cultivars originating from seed collected in the Caddo Mountains of western Oklahoma.

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**INSECT RESISTANCE:** Japanese beetle

Bonfire™ appears to be the fastest growing Sugar Maple selection. It has a wider environmental tolerance than most Sugar Maples, adapting well to diverse conditions. Produces a very brilliant fall color display of orange, orange-red and red.

**Acer saccharum** 'Morton'  
**Crescendo™ Maple**

- **Zone:** 4
- **Height:** 45’
- **Spread:** 40’
- **Shape:** Broadly oval
- **Foliage:** Dark green
- **Fall Color:** Orange red to bright red

Coming from the western range of the Sugar Maple and selected at Morton Arboretum, this tree features tough, heat resistant foliage and good orange red fall color.

**Acer saccharum** 'Endowment'  
**Endowment Maple**

- **Zone:** 4
- **Height:** 50’
- **Spread:** 20’
- **Shape:** Columnar
- **Foliage:** Dark green
- **Fall Color:** Bright yellow

A columnar growth habit makes this cultivar well suited for street planting. Dark green foliage turns bright yellow in the fall.

**Acer saccharum** 'JFS-Caddo2' PP 23361  
**Flashfire® Maple**

- **Zone:** 4
- **Height:** 45’
- **Spread:** 40’
- **Shape:** Broadly oval
- **Foliage:** Dark green
- **Fall Color:** Bright red

Selected from Caddo Mountain sugar maple seedlings, this tree has the brightest red fall color we have seen in a cultivar adapted to Southern heat. It features dark green summer foliage, better mildew resistance than other Caddo selections, strong growth, and brilliant red, early fall color.

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www.FlashfireMaple.com
Acer saccharum 'Green Mountain'

Green Mountain® Maple

Zone: 3
Height: 50’
Spread: 40’
Shape: Broadly oval
Foliage: Dark green
Fall Color: Reddish-orange to red

INSECT RESISTANCE: Japanese beetle

Green Mountain® is the standard for comparison in Sugar Maples. It is the most widely planted selection and has proven itself well over time. It is probably the hardiest Sugar Maple and is the best choice for northern areas. It provides reliable fall color.

Acer saccharum 'Legacy'

Legacy® Maple

Zone: 5
Height: 50’
Spread: 40’
Shape: Oval
Foliage: Glossy dark green
Fall Color: Reddish-orange to red

INSECT RESISTANCE: Japanese beetle

Legacy produces a very symmetrical oval crown. This, combined with its glossy dark green leaves makes it one of the most handsome Sugar Maples in summer. Its leaves are quite tough and resist leaf tatter and drought.

Acer saccharum 'John Pair'

John Pair Maple

Zone: 5
Height: 30’
Spread: 30’
Shape: Rounded
Foliage: Glossy green
Fall Color: Red

Symmetrical and rounded in form, this heat resistant sugar maple of small stature is at home in the southern plains. Selected by horticulturist Dr. John Pair from the heat resistant Caddo County, Oklahoma seed source, its foliage stands up to summer heat.

Acer saccharum 'Hiawatha 1'

Oregon Trail® Maple

Zone: 5
Height: 45’
Spread: 40’
Shape: Broadly oval to rounded
Foliage: Dark green
Fall Color: Orange red to red

A tree with a story, this cultivar was chosen from hundreds of brightly colored sugar maples planted in Hiawatha, KS, “The City of Beautiful Maples.” It’s a tough Kansas native growing along the Oregon Trail, with strong branch structure, prairie resistant foliage, and great fall color.

Acer barbatum ‘Sandersville’ PP 19807

Harvest Moon® Maple

Zone: 6
Height: 50’
Spread: 35’
Shape: Broadly oval
Foliage: Medium green
Fall Color: Orange-red

This sugar maple thrives in the heat of the South. Discovered in central Georgia, the parent tree has withstood 60 years of heat and drought. Unlike most southern sugar maples, it displays a bright orange-red fall color.

Acer saccharum 'Flax Mill'

Majesty® Maple

Zone: 3
Height: 50’
Spread: 40’
Shape: Broadly oval
Foliage: Dark green
Fall Color: Orange to reddish

One of the most vigorous Sugar Maples in the nursery, developing heavy caliper and full branching at a relatively early age.

Acer saccharum 'Sisseton'

Northern Flare® Maple

Zone: 3
Height: 50’
Spread: 40’
Shape: Broadly ovate
Foliage: Dark green
Fall Color: Orange-red to red

Selected from the westernmost native population of sugar maple in the northern U. S., this hardy selection features vigorous, straight growth, thickly textured leaves, and bright orange-red fall color. This North Dakota State University introduction is tolerant of both cold and drought.
Acer saccharum ‘Wright Brothers’

**Wright Brothers Maple**

- **Zone:** 3
- **Height:** 50’
- **Spread:** 35’
- **Shape:** Oval
- **Foliage:** Green
- **Fall Color:** Yellow-orange to red

Fast growing, hardy and reported to be resistant to scorch and frost cracking. Fall color is a bright mix of yellow, orange, and red.

Acer tataricum ‘GarAnn’ PP 15023

**Hot Wings® Maple**

- **Zone:** 3
- **Height:** 20’
- **Spread:** 24’
- **Shape:** Rounded, spreading
- **Foliage:** Medium green
- **Fall Color:** Yellow to red
- **Flowers:** White, clusters in May
- **Fruit:** Bright red samaras

Showy red samaras (winged seeds) shine in bright contrast to the summer foliage of this small tree that is an excellent performer in rugged climates. Broadly oval when young, its branches spread wider than tall, becoming rounded at maturity.

Acer truncatum × A. plat. ‘JFS-KW202’ PP 21838

**Crimson Sunset® Maple**

- **Zone:** 4
- **Height:** 35’
- **Spread:** 25’
- **Shape:** Upright oval
- **Foliage:** Deep purple
- **Fall Color:** Maroon to reddish bronze

Heat tolerance is the distinguishing characteristic of this *Acer truncatum* hybrid. Its foliage resembles that of Crimson King, but its form is more upright and compact. Thanks to the *Acer truncatum* parentage, it flourishes in the summer heat where few purple leafed plants will grow.
Acer truncatum × A. platanoides ‘Keithsform’

Norwegian Sunset® Maple

Zone: 4b
Height: 35’
Spread: 25’
Shape: Oval
Foliage: Dark green, glossy
Fall Color: Yellow-orange to red

INSECT RESISTANCE: Japanese beetle

An upright oval tree with yellow-orange to red fall color. Norwegian Sunset® has a particularly nice branch structure and uniform canopy. Its Acer truncatum parentage gives glossy foliage and heat resistance.

Acer truncatum × A. platanoides ‘Warrenred’

Pacific Sunset® Maple

Zone: 4b
Height: 30’
Spread: 25’
Shape: Upright spreading, rounded crown
Foliage: Dark green, smooth, very glossy
Fall Color: Yellow-orange to bright red

INSECT RESISTANCE: Japanese beetle

Outstanding glossy summer foliage changes to tints of yellow, red, and orange in the fall. Pacific Sunset® colors earlier and a little brighter than Norwegian Sunset.® Branch structure is a little finer textured and more spreading than Norwegian Sunset.®

Aesculus × carnea ‘Briotii’

Briotii Red Horsechestnut

Zone: 4
Height: 32’
Spread: 30’
Shape: Rounded
Foliage: Dark green, palmately compound
Fall Color: Yellowish
Flower: Pink with yellow throat, in panicles

Selected from the grounds of Fort McNair in Washington DC, this cultivar boasts improved resistance to leaf blotch disease and beautiful panicles of pink flowers in the spring.

Aesculus × carnea ‘Fort McNair’

Fort McNair Horsechestnut

Zone: 4
Height: 30’
Spread: 35’
Shape: Round
Foliage: Dark green, palmately compound
Fall Color: Yellow
Flower: Large double white upright panicles

Selected from the grounds of Fort McNair in Washington DC, this cultivar boasts improved resistance to leaf blotch disease and beautiful panicles of pink flowers in the spring.

Aesculus × carnea ‘Autumn Brilliance’

Autumn Brilliance® Serviceberry

Zone: 4
Height: 20’
Spread: 15’
Shape: Upright, moderately spreading
Foliage: Medium, green
Fall Color: Bright red
Flower: White, in clusters
Fruit: Edible, purplish blue, ¼”

An excellent Amelanchier with good form and strong branching. It displays reliable spring bloom and bright fall colors.

Aesculus × carnea ‘Baumannii’

Baumann Double Horsechestnut

Zone: 4
Height: 30’
Spread: 40’
Shape: Broadly oval
Foliage: Dark green, palmately compound
Fall Color: Yellow
Flower: Large double white upright panicles
Fruit: Seedless

Profuse, showy blooms that outlast those of the species are sterile. Large panicles of double white flowers show slight tints of red and yellow. Seedless character makes it the favorite horsechestnut for street planting.

Aesculus flava

Yellow Buckeye

Zone: 4
Height: 60’
Spread: 45’
Shape: Upright oval
Foliage: Dark green, palmately compound
Fall Color: Yellow-orange
Flower: Yellow, in 7” long clusters

Native to the central Appalachian Mountains and Ohio Valley, this is the largest growing and most magnificent of the buckeys.

Aesculus hippocastanum ‘Baumannii’

Baumann Double Horsechestnut

Aesculus × carnea ‘Briotii’

Briotii Red Horsechestnut

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Foliage: Dark green, palmately compound
Fall Color: Yellow
Flower: Large double white upright panicles

Selected from the grounds of Fort McNair in Washington DC, this cultivar boasts improved resistance to leaf blotch disease and beautiful panicles of pink flowers in the spring.

Aesculus × carnea ‘Autumn Brilliance’

Autumn Brilliance® Serviceberry

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Height: 20’
Spread: 15’
Shape: Upright, moderately spreading
Foliage: Medium, green
Fall Color: Bright red
Flower: White, in clusters
Fruit: Edible, purplish blue, ¼”

An excellent Amelanchier with good form and strong branching. It displays reliable spring bloom and bright fall colors.

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Aesculus × carnea ‘Autumn Brilliance’

Autumn Brilliance® Serviceberry

Zone: 4
Height: 20’
Spread: 15’
Shape: Upright, moderately spreading
Foliage: Medium, green
Fall Color: Bright red
Flower: White, in clusters
Fruit: Edible, purplish blue, ¼”

An excellent Amelanchier with good form and strong branching. It displays reliable spring bloom and bright fall colors.
Amelanchier × grandiflora ‘Princess Diana’

Princess Diana Serviceberry

Zone: 3
Height: 20’
Spread: 15’
Shape: Gracefully spreading
Foliage: Small, green
Fall Color: Brilliant red
Flower: White, in clusters
Fruit: Edible, purplish blue, ⅜”

A gracefully spreading small tree with excellent fall color. Fall foliage is spectacular, coloring early and lasting late in the season.

Amelanchier × grandiflora ‘Robin Hill’

Robin Hill Serviceberry

Zone: 4
Height: 25’
Spread: 18’
Shape: Upright oval
Foliage: Medium green
Fall color: Orange
Flower: Light pink, in clusters
Fruit: Edible, ⅛”, purple

This upright growing serviceberry features pink buds that open to panicles of delicate, pale pink flowers in the spring. It develops a more uniform, shapely canopy and tree form than most A. grandiflora cultivars.

Amelanchier laevis

Allegheny Serviceberry

Zone: 4
Height: 25’
Spread: 15’
Shape: Upright, oval, irregular
Foliage: Small, green
Fall Color: Orange
Flower: White, in clusters
Fruit: Edible, purplish blue, ⅜”

Grown both as tree form and multi-stem. It is a little taller, more upright, and more “tree-like” than most Amelanchier species.

Amelanchier × grandiflora ‘Cole’s Select’

Cole’s Select Serviceberry

Zone: 4
Height: 20’
Spread: 15’
Shape: Upright, spreading
Foliage: Small, green
Fall Color: Bright orange-red
Flower: White, in clusters
Fruit: Edible, purplish blue, ⅜”

This Amelanchier selection has thicker, glossier foliage than the others, giving it a healthy appearance in mid-summer.

Amelanchier laevis ‘Snowcloud’

Snowcloud Serviceberry

Zone: 4
Height: 28’
Spread: 20’
Shape: Upright, oval, good tree form
Foliage: Dark green, red tint in spring
Fall Color: Scarlet
Flower: White in clusters
Fruit: Edible, ⅜”, purplish blue

Selected for upright, tree form growth, this strong growing serviceberry makes a good small street tree.

Betula

Birch

Betula ‘Penci-2’

Royal Frost® Birch

Zone: 4
Height: 40’
Spread: 25’
Shape: Pyramidal
Foliage: Purple-bronze
Fall Color: Yellow-orange to reddish

INSECT RESISTANCE: Japanese beetle
A hybrid of Crimson Frost and Whitespire, this tree combines purple-bronze foliage with an upright pyramidal growth habit. It maintains a strong leader and shows better caliper development and density than other purple leaf birch.

Betula jacquemontii

Jacquemontii Birch

Zone: 5
Height: 40’
Spread: 30’
Shape: Upright oval
Foliage: Dark green, thick, glossy
Fall Color: Yellow

INSECT RESISTANCE: Partial resistance to leaf miner
This tree has the whitest bark of all the Birches. Its trunk seems to almost glow when the tree is planted among darker foliaged plant material.
**Betula nigra**

**River Birch**

- **Zone:** 4
- **Height:** 40’
- **Spread:** 35’
- **Shape:** Broadly pyramidal to rounded
- **Foliage:** Glossy dark green
- **Fall Color:** Yellow to gold

**INSECT RESISTANCE:**
Bronze birch borer, Japanese beetle

The bark exfoliates to expose tan, pink or orange colored younger stems, which contrast beautifully with the white barked species.

**Betula nigra ‘BNMFT’**

**Dura-Heat® Birch**

- **Zone:** 6
- **Height:** 40’
- **Spread:** 30’
- **Shape:** Broadly pyramidal
- **Foliage:** Glossy dark green
- **Fall Color:** Yellow

**INSECT RESISTANCE:**
Bronze birch borer, Japanese beetle

Heat resistant, glossy, deep green foliage gives this cultivar a fresh look through the heat of the summer, it branches freely, giving it better density and a more compact appearance than the species. Attractive exfoliating bark is a medley of cream and tan colors.

**Betula nigra ‘Cully’**

**Heritage® Birch**

- **Zone:** 4
- **Height:** 40’
- **Spread:** 30’
- **Shape:** Broadly pyramidal
- **Foliage:** Light green, glossy
- **Fall Color:** Yellow

**INSECT RESISTANCE:**
Bronze birch borer

A selection of River Birch chosen for its lighter colored bark and large, glossy, light green leaves. The peeling bark exposes mottled patches of cream, orange and pinkish tan colors.

**Betula nigra ‘Shiloh Splash’ PP 16362**

**Shiloh Splash Birch**

- **Zone:** 5
- **Height:** 10’
- **Spread:** 8’
- **Shape:** Rounded, shrubby small tree
- **Foliage:** Variegated, cream-yellow and green
- **Fall Color:** Yellow

**INSECT RESISTANCE:**
Bronze birch borer

Brightly variegated foliage graces this diminutive birch. Outer portions of the leaves are cream white to yellow, while the center remains green. The tree has smaller leaves than typical of the species and is much smaller at maturity.

**Betula nigra ‘Summer Cascade’ PP 15105**

**Summer Cascade Birch**

- **Zone:** 5
- **Height:** 15’
- **Spread:** 20’
- **Shape:** Gracefully weeping
- **Foliage:** Medium green
- **Fall Color:** Yellow

**INSECT RESISTANCE:**
Bronze birch borer

This river birch is surprisingly fast growing in the nursery but quickly matures to a graceful weeping habit that controls its ultimate size. In winter, it shows off its warm creamy-brown exfoliating bark. Tolerant of wet soils, it’s the first weeping birch with resistance to the bronze birch borer.

**Betula papyrifera ‘Varen’ PP 15768**

**Prairie Dream® Birch**

- **Zone:** 2b
- **Height:** 40’
- **Spread:** 25’
- **Shape:** Pyramidal to upright oval
- **Foliage:** Dark green
- **Fall Color:** Golden yellow

**INSECT RESISTANCE:**
Bronze birch borer

Adaptability, stress tolerance, dark green foliage and exfoliating snow-white bark are winning attributes of this Great Plains native birch. A cold hardy selection from seed of Killdeer Mountain, ND and introduced by North Dakota State University.

**Betula papyrifera ‘Oenci’ PP 12,766**

**Renaissance Oasis® Birch**

- **Zone:** 3
- **Height:** 50’
- **Spread:** 30’
- **Shape:** Broadly pyramidal to oval
- **Foliage:** Dark green
- **Fall Color:** Yellow

**INSECT RESISTANCE:**
Bronze birch borer

Improved drought tolerance and pH resistance are attributes of this tree that originated from the long-time breeding program of Wisconsin nurseryman Tom Pinney, Jr. Mahogany-accented exfoliating bark reveals very attractive bright white bark at an earlier age than is typical of the species.

**Betula papyrifera ‘Renci’ PP 12768**

**Renaissance Reflection® Birch**

- **Zone:** 3
- **Height:** 50’
- **Spread:** 25’
- **Shape:** Upright pyramidal
- **Foliage:** Dark green
- **Fall Color:** Yellow

**INSECT RESISTANCE:**
Bronze birch borer

This cultivar was selected by Tom Pinney Jr. for its upright pyramidal shape, brilliant white bark, and high resistance to bronze birch borer. It’s faster growing than typical of the species and produces a narrower crown.

**Betula papyrifera ‘Oenci’ PP 12,766**

**Renaissance Oasis® Birch**

- **Zone:** 3
- **Height:** 50’
- **Spread:** 30’
- **Shape:** Broadly pyramidal to oval
- **Foliage:** Dark green
- **Fall Color:** Yellow

**INSECT RESISTANCE:**
Bronze birch borer

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**Betula papyrifera ‘Renci’ PP 12768**

**Renaissance Reflection® Birch**

- **Zone:** 3
- **Height:** 50’
- **Spread:** 25’
- **Shape:** Upright pyramidal
- **Foliage:** Dark green
- **Fall Color:** Yellow

**INSECT RESISTANCE:**
Bronze birch borer

This cultivar was selected by Tom Pinney Jr. for its upright pyramidal shape, brilliant white bark, and high resistance to bronze birch borer. It’s faster growing than typical of the species and produces a narrower crown.
**Betula pendula**

**European White Birch**

Zone: 2  
Height: 45'  
Spread: 30'  
Shape: Broadly pyramidal to oval  
Foliage: Medium green  
Fall Color: Yellow to yellow green

**INSECT RESISTANCE:** Japanese beetle

Very attractive tree with white bark that does not peel as much as Paper Birch. Tolerates wet soil.

---

**Betula pendula ‘Dalecarlica’**

**Cutleaf Weeping Birch**

Zone: 2  
Height: 40'  
Spread: 20'  
Shape: Narrowly oval with slender branches with weeping tips  
Foliage: Dark green  
Fall Color: Yellow

**INSECT RESISTANCE:** Japanese beetle

Although it becomes a relatively large tree, slender branches always give it a graceful, delicate appearance. Hardy enough to do well in the Rocky Mountain states.

---

**Betula pendula ‘Youngii’**

**Young’s Weeping Birch**

Zone: 2  
Height: 15'  
Spread: 20'  
Shape: Picturesque, weeping  
Foliage: Dark green  
Fall Color: Yellow

This easily shaped tree is especially suited to small garden areas. Its characteristic, asymmetric branch structure makes it an attractive and interesting addition to an informal landscape.

---

**Betula populifolia ‘Whitespire Sr.’**

**Whitespire Sr. Birch**

Zone: 4  
Height: 40'  
Spread: 25'  
Shape: Pyramidal to oval  
Foliage: Dark green glossy leaves  
Fall Color: Yellow

**INSECT RESISTANCE:** Bronze birch borer, Japanese beetle

Whitespire "Senior" is vegetatively propagated directly from the original, superior tree in Wisconsin.

---

**Caragana arborescens ‘Pendula’**

**Weeping Siberian Peashrub**

Zone: 2  
Height: 15'  
Spread: 15'  
Shape: Weeping  
Foliage: Pinnately compound, bright medium green  
Flower: Small, bright yellow  
Fall Color: Yellowish

A very cold hardy plant, able to withstand some of the most difficult sites. Well adapted to drought and poor or alkaline soil. Attractive spring flowers and summer foliage.

---

**Betula platyphylla ‘Fargo’ PP 10963**

**Dakota Pinnacle® Birch**

Zone: 3  
Height: 40'  
Spread: 15'  
Shape: Narrowly pyramidal  
Foliage: Dark green  
Fall Color: Yellow

**INSECT RESISTANCE:** Japanese beetle

Developed by North Dakota State University, this very cold hardy birch is well adapted to the tough climate of the northern plains. A stiffly upright, narrowly pyramidal form, combined with dense, dark green foliage and white bark give it a striking appearance.
**Carpinus caroliniana** 'JFS-KW6'  
**Native Flame® American Hornbeam**

*Zone: 5*  
*Height: 30'*  
*Spread: 20'*  
*Shape: Upright oval*  
*Foliage: Green*  
*Fall Color: Red*

- This versatile native species is ripe for cultivar development, and Native Flame® leads the pack into bright fall colors. Selected for good upright growth and form, and especially for its bright red fall color. It combines the graceful informality of a native with the brilliant colors of a modern cultivar.

---

**Carpinus betulus** 'Frans Fontaine'  
**Frans Fontaine Hornbeam**

*Zone: 5*  
*Height: 35'*  
*Spread: 15'*  
*Shape: Narrow, columnar*  
*Foliage: Dark green*  
*Fall Color: Yellow*

- Fastigiate form is maintained with maturity, the narrowest of the *C. betulus* cultivars.

---

**Carpinus caroliniana** 'CCSQU' PP 11280  
**Palisade® American Hornbeam**

*Zone: 5*  
*Height: 30'*  
*Spread: 15'*  
*Shape: Upright narrow oval*  
*Foliage: Green*  
*Fall Color: Yellow orange*

- Palisade® forms an upright oval canopy with ascending branches and excellent density. It brings a uniform street tree appearance to an otherwise variable species. Attractive sinewy gray bark forms on mature trees.

---

**Catalpa speciosa**  
**Northern Catalpa**

*Zone: 5*  
*Height: 50'*  
*Spread: 35'*  
*Shape: Pyramidal with rounded top, open structure*  
*Foliage: Medium green, large leaves*  
*Fall Color: Yellow-green*  
*Flower: White, in large clusters*

- A native of the central United States and known for its tolerance of tough conditions, especially heat and drought. Its branch structure presents a bold, rugged appearance.
Celtis

**Hackberry**

*Celtis occidentalis* ‘JFS-KSU1’

**Prairie Sentinel® Hackberry**

Zone: 4  
Height: 45’  
Spread: 12’  
Shape: Tightly fastigate, columnar  
Foliage: Medium green  
Fall Color: Yellow

This fastigate hackberry fills the need for a columnar tree for narrow city streets in the toughest climates. Discovered in the rugged high plains of western Kansas, it has great adaptability to heat, drought, and cold of the prairie.

*Celtis* ‘Magnifica’

**Red Fox Katsura Tree**

Zone: 5  
Height: 30’  
Spread: 16’  
Shape: Upright oval  
Foliage: Purple in spring to bronze-green in summer  
Fall Color: Orange-bronze

With deep purple spring foliage and a more compact, upright and narrow shape, this cultivar of German origin is unique in leaf color and texture. Its form is suited for much tighter spaces than the broader spreading species.

This Hackberry selection develops a large, arching canopy similar to that of an Elm. Thought to be a hybrid of *C. occidentalis* and *C. laevigata*, it exhibits faster growth and better insect resistance than its parents.

*Cercis canadensis* ‘Appalachian Red’

**Appalachian Red Redbud**

Zone: 5  
Height: 20’  
Spread: 25’  
Shape: Multi-stem or low branched, spreading  
Foliage: Dark green  
Fall Color: Yellow

This cultivar has the brightest flowers we have seen in a Eastern redbud. Magenta buds open to shockingly bright pink blooms, often described as neon pink or hot pink, quite different from the lavender tinted soft pink more typically seen in the species. It flowers heavily and has excellent dark green summer foliage.

The profuse flowers that bloom in April or May before the leaves develop make this a spring favorite. It is attractive as a tree for naturalized garden areas or as a graceful addition to a small yard.

*Cercidiphyllum japonicum* ‘Rotfuchs’

**Red Fox Katsura Tree**

Zone: 5  
Height: 30’  
Spread: 16’  
Shape: Upright oval  
Foliage: Purple in spring to bronze-green in summer  
Fall Color: Orange-bronze

With deep purple spring foliage and a more compact, upright and narrow shape, this cultivar of German origin is unique in leaf color and texture. Its form is suited for much tighter spaces than the broader spreading species.

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A highly prized red-leaved selection of Eastern Redbud. Delicate magenta rose flowers appear before the foliage. New growth is exceptionally glossy.
Cercis canadensis ‘Covey’ PP 10328

**Lavender Twist® Redbud**

Zone: 5  
Height: 7’  
Spread: 8’  
Shape: Weeping, umbrella shaped  
Foliage: Medium green  
Fall Color: Yellow  
Flower: Magenta buds open rosy pink

Elegant and graceful, weeping and compact, this plant creates a great feature in a small garden. Springtime’s tight clusters of bright magenta buds open to reveal rosy pink flowers. Slightly zigzagging branches cascade to form lattice work curtains of heart-shaped foliage.

Cercis canadensis ‘Merlot’ PP 22297

**Merlot Redbud**

Zone: 5  
Height: 18’  
Spread: 20’  
Shape: Upright spreading, rounded  
Foliage: Glossy, deep purple becoming bronze purple  
Fall Color: Yellow  
Flower: Magenta rose

Compact form and glossier, more heat resistant leaves than those of Forest Pansy suggest better performance in warm climates. Selected from the second generation of a cross of Texas White’ x Forest Pansy’by Dennis Werner of NCSU.

Cercis texensis ‘Oklahoma’

**Oklahoma Redbud**

Zone: 6  
Height: 20’  
Spread: 25’  
Shape: Upright spreading to rounded  
Foliage: Glossy, thick, bright green  
Fall Color: Yellow  
Flower: Reddish-pink buds open to bright magenta-pink

Heat resistant foliage is deep green, bright and glossy. One of the most impressive redbuds in flower, it is more colorful than the species as its intense reddish pink buds open to a slightly brighter shade of magenta-pink.

Cercis canadensis ‘JN2’ PP 21451

**The Rising Sun™ Redbud**

Zone: 5  
Height: 16’  
Spread: 20’  
Shape: Spreading, rounded  
Foliage: Yellow, with orange new growth  
Fall Color: Yellow  
Flower: Magenta rose

A springtime show of magenta flowers clustered along bare branches gives way to apricot-orange new growth and yellow summer foliage. Drought and heat resistance prevents leaves from burning. Smooth, tan bark adds winter interest.

Chamaecyparis

**Falsecypress**

Chamaecyparis nootkatensis ‘Pendula’

**Weeping Alaskan Cedar**

Zone: 5  
Height: 30’  
Spread: 10’  
Shape: Narrow, conical  
Foliage: Light green

A gracefully weeping top and pendulous branches cascade from an upright central trunk to create a remarkable sculptural landscape specimen.

Chionanthus

**Chionanthus virginicus**

**Fringe Tree**

Zone: 4  
Height: 18’  
Spread: 20’  
Shape: Oval to spreading  
Foliage: Medium to dark green  
Fall Color: Yellow  
Flower: Small greenish-white flowers borne in clusters, fragrant

In late spring, masses of fragrant and feathery blooms cover the branches of this tree whose Latin name translates to “Snow Flower.” Adaptable to varied soils and climates, and quite tolerant of urban conditions.

Chionanthus retusus

**Chinese Fringe Tree**

Zone: 5  
Height: 20’  
Spread: 20’  
Shape: Broadly oval  
Foliage: Deep green  
Fall Color: Bright yellow  
Flower: White, snow-like, in large clusters

This small ornamental has multi-season appeal. In late spring, snow white flowers cover the branch tips. Dark green summer foliage change to bright yellow in the fall, then winter brings emphasis to its attractive gray bark on the trunk and low branches.

Chionanthus retusus ‘Tokyo Tower’

**Fringe Tree**

Zone: 5  
Height: 20’  
Spread: 10’  
Shape: Narrow upright vase  
Foliage: Deep green  
Fall Color: Bright yellow  
Flower: White, snow-like, in large clusters  
Fruit: Small, blue-black

Four-seasons of beauty recommend this small tree. Upright branches are smothered in clouds of white flowers in spring. Glossy dark green leaves of summer turn bright golden yellow in autumn and are accent by small blue-black fruits. Golden-tan exfoliating bark lends winter interest to its narrow winter silhouette.

Cladrastis

**Yellowwood**

Cladrastis kentukea

**Yellowwood**

Zone: 4  
Height: 30’  
Spread: 40’  
Shape: Round  
Foliage: Bright green  
Fall Color: Brilliant yellow  
Flowers: White, in long clusters, fragrant

Showy cascades of fragrant white pea-like blooms are spectacular in May and June. Compound leaves and arching branches give an elm-like shape to this urban-tolerant native shade tree.
## Dogwood Quick Reference

<table>
<thead>
<tr>
<th>Variety</th>
<th>Zone</th>
<th>H</th>
<th>W</th>
<th>Flower</th>
<th>Foliage</th>
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<td>20'</td>
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<td>Cherokee Princess</td>
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<td>20'</td>
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<td>Deep pink to light red</td>
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<td><strong>Hybrid Varieties</strong></td>
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<td>22'</td>
<td>18'</td>
<td>Small, bright yellow, in masses</td>
<td>Glossy dark green</td>
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</tbody>
</table>

See this chart with color photos and more information at www.jfschmidt.com/dogwoods


**Cornus florida ‘Cherokee Chief’**

**Cherokee Chief Dogwood**

Zone: 6  
Height: 20'  
Spread: 20'  
Shape: Upright spreading, rounded crown  
Foliage: Dark green  
Fall Color: Red  
Flower: Rose red to ruby red

This cultivar is noted for its red flowers, much deeper in color than the delicate pink of *C. florida rubra*.

**Cornus florida ‘Cherokee Princess’**

**Cherokee Princess Dogwood**

Zone: 6  
Height: 24'  
Spread: 20'  
Shape: Upright oval, rounded crown  
Foliage: Green  
Fall Color: Red  
Flower: White

A very vigorous white flowering selection, upright growing, with large, glossy green leaves. Reliable and heavy flowering; large white bracts.

**Cornus florida ‘Sunset’**

**Cherokee Sunset Dogwood**

Zone: 6  
Height: 20'  
Spread: 20'  
Shape: Upright spreading, rounded crown  
Foliage: Variegated yellow and green  
Fall Color: Red  
Flower: Deep pink to light red

This is the only variegated dogwood with red flower bracts. A vigorous grower, it displays a variety of changing colors through the spring, summer, and fall.

**Cornus florida ‘Cloud 9’**

**Cloud 9 Dogwood**

Zone: 5  
Height: 15'  
Spread: 20'  
Shape: Spreading, broadly rounded crown  
Foliage: Green  
Fall Color: Red  
Flower: White

Heavy production of large white flowers at an early age. The rounded flower bracts are overlapping and give a clean white appearance.

**Cornus florida ‘Prairie Pink’**

**Prairie Pink Dogwood**

Zone: 6  
Height: 20'  
Spread: 20'  
Shape: Upright spreading, rounded crown  
Foliage: Glossy green  
Fall Color: Orange red to purple red  
Flower: Light pink

Soft pink flowers cover the tree in spring and give way to thick glossy leaves that resist the tough climate of the plains. Selected at Kansas State University as a top performer for the heat of Kansas.

**Cornus kousa chinensis**

**Chinese Kousa Dogwood**

Zone: 5  
Height: 20'  
Spread: 20'  
Shape: Widely vase shaped to rounded, layered branches  
Foliage: Medium green  
Fall Color: Reddish  
Flower: White

Four large white bracts form star shaped “flowers” in June. An unusual and beautiful dogwood that is hardier, more drought tolerant and disease resistant than *C. florida*.

**Cornus kousa ‘Losely’ P.A.F.**

**Champion’s Gold™ Dogwood**

Zone: 5  
Height: 20'  
Spread: 20'  
Shape: Widely vase shape to rounded  
Foliage: Green, turning bright yellow  
Flower: White

A tree of many colors! Leaves emerge green in spring. By mid-summer, foliage exposed to direct sun takes on a bright yellow hue, creating an overall multi-colored effect. As summer progresses, the yellow tones spread and intensify until autumn arrives, when the leaves turn bright orange-red.

**Cornus kousa ‘Schmred’ PP 9283**

**Heart Throb® Dogwood**

Zone: 5  
Height: 20'  
Spread: 20'  
Shape: Rounded  
Foliage: Dark green  
Fall Color: Deep red  
Flower: Rose pink  
Fruit: Red, ¾”

Large, rose pink flower bracts form flower heads that reach four inches in diameter. Introduced by Don Schmidt Nursery, its handsome blooms last for up to two months in Oregon.
**Cornus kousa 'Milky Way Select'**

**Milky Way Select Dogwood**

Selected for its heavy and long lasting display of creamy white flowers, each composed of four large bracts. This showy cultivar also features abundant bright orange-red fruit and excellent orange-red to red autumn color.

**Cornus kousa 'Satomi'**

**Samaritan® Dogwood**

Creamy white blooms floating above variegated foliage make this cultivar a standout in the field. Healthy green foliage is trimmed in summer with cream-white leaf margins. These change in autumn to edge the reddish leaves with pink. Consistent growth, uniform size and healthy foliage combine to produce a winner.

**Cornus kousa 'Satomi'**

**Satomi Dogwood**

Rose pink blooms perch atop the branches of Satomi Dogwood in late spring. Raspberry-like fruits appear in late summer among the light green leaves that turn varied shades of red in the fall.

**Cornus kousa 'Summer Fun'**

**Summer Fun Dogwood**

White flower bracts of late spring complement rich, boldly contrasting green and cream-white leaves. Leaf margins are brighter white than those of other variegated dogwoods. Vivid fall tones are red orange and pink.

**Cornus kousa 'Summer Gold' PP 22765**

**Summer Gold Dogwood**

White bracted flowers held above bright green and golden yellow variegated foliage are a flashy, eye catching combination in summer. In autumn, golden margins of the two-tone foliage become pink, and then the entire leaf turns bright red.

**Cornus × 'Rutdan'**

**Celestial® Dogwood**

DISEASE RESISTANCE: Dogwood anthracnose and powdery mildew

Branches laden with broad, creamy white, overlapping flower bracts recommend this C. kousa x C. florida hybrid as one of the most showy of the Rutgers dogwoods. Growth habit is vigorous and upright.

**Cornus × 'Rutan'**

**Aurora® Dogwood**

DISEASE RESISTANCE: Dogwood anthracnose and powdery mildew

Branches laden with broad, creamy white, overlapping flower bracts recommend this C. kousa x C. florida hybrid as one of the most showy of the Rutgers dogwoods. Growth habit is vigorous and upright.

**Cornus × 'Celestial Shadow'**

**Celestial Shadow Dogwood**

DISEASE RESISTANCE: Dogwood anthracnose and powdery mildew

Clean, disease resistant foliage and a heavy annual bloom make this tree both reliable and beautiful. Cream-white flowers have broad, overlapping bracts.

Large white flowers of late spring combine with uniquely variegated foliage to create an irresistible color combination. Bright yellow and green summer variegation brightens when the leaf margins take on a pink tint that spreads to the center and intensifies until the foliage is bright red.

© J. Frank Schmidt & Son Co.
**Cornelian Cherry**

**Cornus (kousa × nuttallii) × kousa**

**'KN 30-8' PP 16309**

**Zone:** 5b

**Height:** 25’

**Spread:** 20’

**Shape:** Upright, pyramidal with slightly pendulous branching

**Foliage:** Dark green

**Fall Color:** Red

**Flower:** Large white bracts

**Fruit:** Small red

DISEASE RESISTANCE: Dogwood anthracnose and powdery mildew

Healthy dark green foliage complements the large, firm, creamy white flower bracts that smother its branches in late spring. This hybrid offers the upright growth habit and form of its Pacific Dogwood parent, plus the disease resistance of its Chinese Dogwood parent.

**Cornus mas**

**Cornelian Cherry**

**Zone:** 5

**Height:** 18’

**Spread:** 22’

**Shape:** Low branched, rounded

**Foliage:** Glossy dark green

**Fall Color:** Slight to reddish purple

**Flower:** Small, yellow, in masses

**Fruit:** Golden yellow, glossy, oblong, 1/4”

In form and fruit, this tree could be mistaken for a crabapple. Its exfoliating bark and masses of bright yellow flowers that appear very early in the spring make it unique.

**Cornus mas ‘Golden Glory’**

**Golden Glory Cornelian Cherry**

**Zone:** 4

**Height:** 22’

**Spread:** 18’

**Shape:** Broadly oval

**Foliage:** Glossy dark green

**Fall Color:** Slight to reddish purple

**Flower:** Small, bright yellow, in masses

**Fruit:** Golden yellow, glossy, oblong, 1/4”

Featuring a more upright growth habit, glossier foliage, and brighter yellow flowers, this improved cultivar makes a more uniform and better looking specimen than the species.

**Stellar Pink® Dogwood**

**Zone:** 6

**Height:** 20’

**Spread:** 20’

**Shape:** Upright to upright spreading

**Foliage:** Green

**Fall Color:** Bright red

**Flower:** Light pink

**Fruit:** None

DISEASE RESISTANCE: Dogwood anthracnose and powdery mildew

Large and slightly overlapping flower bracts are tinted a delicate shade of soft pink, a little lighter in color than *C. florida rubra*. Flowering date of the Rutgers series is intermediate between the *C. kousa* and *C. florida* parents.

**Venus® Dogwood**

**Zone:** 5b

**Height:** 25’

**Spread:** 20’

**Shape:** Upright oval

**Foliage:** Deep green

**Fall Color:** Red to purple-red

**Flower:** Very large, 6”, creamy white

**Fruit:** Red orange, 1/4”, sparse

DISEASE RESISTANCE: Dogwood anthracnose and powdery mildew

This vigorous hybrid dogwood combines the huge flowers of the Pacific dogwood with the environmental tolerance of the Chinese dogwood. It has the largest bloom of any dogwood we have seen and is very floriferous and nearly sterile.

**Eddie’s White Wonder Dogwood**

**Zone:** 6

**Height:** 25’

**Spread:** 20’

**Shape:** Upright, pyramidal with slightly pendulous branching

**Foliage:** Dark green

**Fall Color:** Red

**Flower:** Large white bracts

**Fruit:** Small red

White flower bracts of this hybrid cultivar are much larger than those of its parent *C. florid*, and it grows taller. It is also easier to grow and more adaptable that its other parent, *C. nuttallii*.

**Eddie’s White Wonder**

**Zone:** 6

**Height:** 25’

**Spread:** 20’

**Shape:** Upright, pyramidal with slightly pendulous branching

**Foliage:** Dark green

**Fall Color:** Red

**Flower:** Large white bracts

**Fruit:** Small red

Features a more upright growth habit, glossier foliage, and brighter yellow flowers, this improved cultivar makes a more uniform and better looking specimen than the species.
**Crataegus**

**Crataegus crus-galli ‘Inermis’**

**Thornless Cockspur Hawthorn**

Zone: 4  
Height: 25'  
Spread: 25'  
Shape: Rounded, spreading  
Foliage: Leathery, deep green, glossy  
Fall Color: Orange or rusty orange  
Flower: Small, white in 2" clusters  
Fruit: Dark red, ¼"-½", persistent

This small adaptable tree has the excellent foliage of *Crataegus crus-galli* while completely lacking the dangerous thorns.

**Crataegus laevigata ‘Crimson Cloud’**

**Crimson Cloud Hawthorn**

Zone: 4  
Height: 25'  
Spread: 18'  
Shape: Oval, with upright spreading wavy branches  
Foliage: Small glossy green  
Flower: Bright red with white centers  
Fruit: Bright red

**DISEASE RESISTANCE:** Leaf spot

This tree is distinctive for its wavy branch habit and bright red flowers with white centers.

**Crataegus mollis**

**Downy Hawthorn**

Zone: 4  
Height: 25'  
Spread: 30'  
Shape: Rounded to wide spreading  
Foliage: Medium green  
Fall Color: Yellow to bronze red  
Flower: White, 1", in clusters  
Fruit: Red, ¼"  

Also known as “Red Haw,” the range of this widely adapted native tree extends across most of the eastern U.S. and into southern Canada. Foliage is downy when unfolding. Dense branches create valuable cover for wildlife.

**Crataegus × lavallei**

**Lavalle Hawthorn**

Zone: 4  
Height: 28'  
Spread: 20'  
Shape: Irregular vase shape  
Foliage: Dark green, leathery  
Fall Color: Bronze  
Flower: White, in large clusters  
Fruit: Orange, ¼"

Lavalle increases its landscape interest as the season progresses. Foliage intensifies from bright glossy green in summer to the bronze-green of fall, which complements its persistent orange to orange red fruit. Its form has strong impact on the winter landscape, with smooth dark bark and an irregularly vase shaped growth habit.

**Crataegus × mordenensis ‘Snowbird’ C.O.P.F.**

**Snowbird Hawthorn**

Zone: 3  
Height: 22'  
Spread: 20'  
Shape: Upright oval to rounded  
Foliage: Dark glossy green  
Flower: Double, scarlet to rose  
Fruit: Sparse, deep red

The brilliant colored flowers make this tree the showiest of all the Hawthorns in the spring. This selection is susceptible to leaf spot.

**Crataegus × mordenensis ‘Snowbird’ C.O.P.F.**

**Paul’s Scarlet Hawthorn**

Zone: 4  
Height: 22'  
Spread: 20'  
Shape: Dense, upright spreading, oval  
Foliage: Small, deeply lobed, green  
Flower: Double, scarlet to rose  
Fruit: Sparse, deep red

The brilliant colored flowers make this tree the showiest of all the Hawthorns in the spring. This selection is susceptible to leaf spot.

**Crataegus × mordenensis ‘Snowbird’ C.O.P.F.**

**Washington Hawthorn**

This small adaptable tree has the excellent foliage of *Crataegus crus-galli* while completely lacking the dangerous thorns.

**Crataegus × mordenensis ‘Snowbird’ C.O.P.F.**

**Toba Hawthorn**

Lavalle increases its landscape interest as the season progresses. Foliage intensifies from bright glossy green in summer to the bronze-green of fall, which complements its persistent orange to orange red fruit. Its form has strong impact on the winter landscape, with smooth dark bark and an irregularly vase shaped growth habit.

**Crataegus × mordenensis ‘Snowbird’ C.O.P.F.**

**Thornless Cockspur Hawthorn**

Lavalle increases its landscape interest as the season progresses. Foliage intensifies from bright glossy green in summer to the bronze-green of fall, which complements its persistent orange to orange red fruit. Its form has strong impact on the winter landscape, with smooth dark bark and an irregularly vase shaped growth habit.

**Crataegus × mordenensis ‘Snowbird’ C.O.P.F.**

**Crataegus × mordenensis ‘Snowbird’ C.O.P.F.**

**Crataegus × mordenensis ‘Snowbird’ C.O.P.F.**

**Crataegus × mordenensis ‘Snowbird’ C.O.P.F.**

**Crataegus × mordenensis ‘Snowbird’ C.O.P.F.**

Snowbird was introduced by the Morden Research Station in Canada where it originated as a seedling of Toba. It is hardier than Toba and has a glossier, more handsome leaf.
Crataegus × mordenensis ‘Toba’

**Toba Hawthorn**

Zone: 3  
Height: 20’  
Spread: 20’  
Shape: Upright, round  
Foliage: Dark green  
Flower: In clusters, double white, fading to pink, fragrant  
Fruit: Red, ¼”

Selected by the Morden Research Station in Canada. A hardy tree with a well behaved branch pattern.

Crataegus phaenopyrum

**Washington Hawthorn**

Zone: 4  
Height: 25’  
Spread: 20’  
Shape: Broadly oval to rounded  
Foliage: Deep green, very glossy  
Fall Color: Orange to scarlet and reddish purple  
Flower: White clusters  
Fruit: Bright, glossy red, ¼”, persistent

The small attractive fruits blend beautifully with the autumn leaves. Many people rate this the best North American Hawthorn. Very useful in both multi-stem and tree form.

Crataegus viridis ‘Winter King’

**Winter King Hawthorn**

Zone: 4  
Height: 20’  
Spread: 25’  
Shape: Widely vase shaped, angular branch pattern  
Foliage: Dark green  
Fall Color: Yellow  
Flower: White in clusters  
Fruit: Bright red, ¼”

Winter King is an attractive Hawthorn with silvery bark that contrasts nicely with dark green, glossy leaves. The strong, angular lines of its branching pattern give it a bold appearance in the winter.

Elaeagnus

**Russian Olive**

Elaeagnus angustifolia

Zone: 2  
Height: 20’  
Spread: 20’  
Shape: Rounded, irregular outline  
Foliage: Silver green to gray-green  
Fall Color: Yellow  
Flower: Fragrant, greenish yellow

Used effectively as an attractive, impenetrable hedge even in difficult climates and inhospitable soils. A good source of silver-gray foliage to lighten a landscape.

Fagus

**American Beech**

Fagus grandifolia

Zone: 5  
Height: 50’  
Spread: 40’  
Shape: Broadly oval  
Foliage: Glossy green  
Fall Color: Golden bronze

Slow growing, but ultimately large and magnificent. A mature tree is an imposing sight, with smooth silver-gray bark, lustrous green foliage, and sturdy branch structure.

Fagus sylvatica

**Green Beech**

Zone: 4  
Height: 50’  
Spread: 40’  
Shape: Broadly pyramidal to broadly oval  
Foliage: Glossy dark green  
Fall Color: Bronze

A large and stately tree with beautiful silvery-gray bark that contrasts well with its dark green summer foliage.

Fagus sylvatica ‘Dawyck Purple’

**Dawyck Purple Beech**

Zone: 5  
Height: 40’  
Spread: 12’  
Shape: Columnar, fastigiate  
Foliage: Purple

A purple leaf form of Fastigiate Beech. Tight and narrow in form, with purple leaf color that holds well in the summer.

Fagus sylvatica ‘Fastigiata’ (‘Dawyck’)**

**Fastigiate Beech**

Zone: 5  
Height: 45’  
Spread: 15’  
Shape: Columnar, fastigiate  
Foliage: Dark green

Deep green foliage and the tightness of its fastigiate form make this one of the most striking of columnar trees.

Fagus sylvatica ‘Asplenifolia’

**Fernleaf Beech**

Zone: 5  
Height: 50’  
Spread: 40’  
Shape: Broadly oval  
Foliage: Cutleaf, green  
Fall Color: Golden brown

A large growing cultivar with crisp, dark green, cutleaf foliage. The branching gives the tree the appearance of closely layered, fan like sprays.
**Fagus sylvatica 'Purple Fountain'**

**Purple Fountain Beech**

- **Zone:** 5
- **Height:** 25’
- **Spread:** 12’
- **Shape:** Weeping from ascending trunk
- **Foliage:** Purple to purple-red

Pendulous branches drape from an upright leader as this unusual beech matures into a unique living sculpture. Much faster growing than Purpurea Pendula, its foliage is a slightly lighter shade of purple.

**Fagus sylvatica 'Purpurea Pendula'**

**Purple Weeping Beech**

- **Zone:** 5
- **Height:** 10’
- **Spread:** 15’
- **Shape:** Broadly weeping, mushroom shaped
- **Foliage:** Purple

Weeping habit and the absence of a central leader form a broad purple dome. A large specimen provides a fantasy-land playground beneath cascading branches.

**Fagus sylvatica 'Riversii'**

**Rivers Purple Beech**

- **Zone:** 5
- **Height:** 50’
- **Spread:** 40’
- **Shape:** Broadly oval
- **Foliage:** Deep purple to purple-bronze

The most popular purple leaved beech, Rivers is deep purple in the spring and holds a good purple-bronze color throughout the summer. The smooth silver-gray bark of the trunk is beautiful in winter.

**Fagus sylvatica 'Roseomarginata'**

**Tricolor Beech**

- **Zone:** 5
- **Height:** 30’
- **Spread:** 20’
- **Shape:** Oval
- **Foliage:** Variegated, purple with a rose-pink and cream margin

Beautiful foliage is this tree’s star attraction. Margins of its purple-bronze leaves are irregularly colored with splashes of rose, pink and cream.

**Fagus sylvatica 'Pendula'**

**Weeping Beech**

- **Zone:** 5
- **Height:** 40’
- **Spread:** 30’
- **Shape:** Gracefully weeping from an irregularly ascending central trunk
- **Foliage:** Green, glossy

Each one is a natural work of art, a living, growing sculpture. Fast growing because it tends to maintain an upright central stem. Green, pendulous branches hang to the ground from great heights.

**Franklinia**

**Franklinia alatamaha**

**Franklin Tree**

- **Zone:** 5
- **Height:** 18’
- **Spread:** 12’
- **Shape:** Upright spreading, oval
- **Foliage:** Dark green
- **Fall Color:** Orange-red
- **Flower:** Large, white with orange center

This rare tree features three inch, fragrant, white camellia-like flowers with an orange center. Dark green foliage contrasts with the bright summer flowers on this small tree.

**Fraxinus**

**Fraxinus americana 'Junginger'**

**Autumn Purple® Ash**

- **Zone:** 4
- **Height:** 45’
- **Spread:** 40’
- **Shape:** Rounded
- **Foliage:** Deep purple to purple-bronze
- **Fall Color:** Reddish-purple
- **Fruit:** Seedless

The standard of comparison for White Ash. Beautiful fall colors of various hues in different years vary from mottled yellow orange to orange red and deep purple.
Fraxinus excelsior ‘Aureafolia’

Golden Desert® Ash

Zone: 5
Height: 20’
Spread: 18’
Shape: Rounded, compact
Foliage: Yellow
Fall Color: Golden-yellow

A small rounded tree with bright golden twigs and young stems, outstanding yellow color throughout the year. Foliage emerges yellow, becoming yellow-green in early summer and developing a golden cast in late summer.

Fraxinus oxycarpa ‘Raywood’

Raywood Ash

Zone: 6
Height: 45’
Spread: 30’
Shape: Oval with dense crown
Foliage: Narrow green leaflets, fine textured
Fall Color: Reddish-purple

Raywood grows fast as a young tree but matures smaller than other Ash. Slender branches and narrow leaflets give it a delicate, fine textured appearance. Outstanding reddish purple fall color.

Fraxinus pennsylvanica ‘Cimmzam’

Cimmaron® Ash

Zone: 3
Height: 50’
Spread: 30’
Shape: Upright, oval
Foliage: Glossy, dark green
Fall Color: Brick red to orange-red
Fruit: Seedless

Narrow when young, with upright branches forming an oval canopy. Cimmaron® is seedless and has excellent summer foliage and surprising rusty red fall tints.

Fraxinus pennsylvanica ‘Oconee’

Georgia Gem® Ash

Zone: 6
Height: 50’
Spread: 35’
Shape: Upright oval
Foliage: Bright, deep green, glossy
Fall Color: Yellowish
Fruit: Seedless

At last, a seedless green ash cultivar for the South. Heat resistance and fast growth distinguish this handsome tree, selected by Dr. Michael Dirr of the University of Georgia–Athens from native Georgia trees. Its dark green, glossy leaves are larger than those of any other ash in the nursery.

Fraxinus pennsylvanica ‘Marshall’

Marshall Ash

Zone: 3
Height: 50’
Spread: 40’
Shape: Broadly oval
Foliage: Glossy, dark green
Fall Color: Bright yellow
Fruit: Seedless

Marshall has been proven over the years to be a tough and adaptable tree. The foliage is dark green and very glossy. More irregular and informal in shape than Summit or Patmore.

Fraxinus pennsylvanica ‘Patmore’

Patmore Ash

Zone: 2
Height: 45’
Spread: 35’
Shape: Symmetrical upright branches, oval head
Foliage: Dark green, glossy
Fall Color: Yellow
Fruit: Seedless

Patmore probably is the best Green Ash cultivar introduced to date. It has dark green, glossy foliage and a well behaved form, intermediate in shape between Summit and Marshall. Extremely hardy.

Fraxinus pennsylvanica ‘Rugby’

Prairie Spire® Ash

Zone: 3
Height: 45’
Spread: 20’
Shape: Dense, upright narrow, pyramidal to oval
Foliage: Medium green
Fall Color: Yellow
Fruit: Seedless

Dense, upright, and narrowly pyramidal in mature form, this North Dakota State University selection comes from a very hardy northern plains seed source.

Fraxinus pennsylvanica ‘Urbanite’

Urbanite® Ash

Zone: 5
Height: 50’
Spread: 40’
Shape: Broadly pyramidal
Foliage: Lustrous green, thick and leathery
Fall Color: Deep bronze
Fruit: Samaras

A well behaved selection of the “Red Ash” type. Very tolerant of city conditions, its thick bark seems more resistant to sunscald than other Ash cultivars.
**Ginkgo**

**Ginkgo biloba ‘Autumn Gold’**

**Autumn Gold Ginkgo**

Zone: 3
Height: 45’
Spread: 35’
Shape: Broadly pyramidal
Foliage: Medium green
Fall Color: Golden yellow
Fruit: Seedless

Striking golden yellow fall color is characteristic of this male clone. Narrow form in youth broadens with age.

**Ginkgo biloba ‘Magyar’**

**Magyar Ginkgo**

Zone: 4
Height: 50’
Spread: 25’
Shape: Narrowly pyramidal
Foliage: Medium green
Fall Color: Bright yellow
Fruit: Seedless

Faster growing than ‘Princeton Sentry’ with a slightly broader form, this narrow, upright cultivar has an excellent form for use as an urban street tree.

**Ginkgo biloba ‘The President’**

**Presidential Gold® Ginkgo**

Zone: 4
Height: 50’
Spread: 40’
Shape: Broadly pyramidal to oval
Foliage: Medium green
Fall Color: Bright yellow
Fruit: Seedless

Outstanding in both the nursery row and the landscape, this seedless cultivar may set the new standard among Ginkgos. Selected by Dr. Michael Dirr; it has a strong central leader and full branching when young, then develops a dense upright crown when mature.

**Ginkgo biloba ‘JFS-UGA2’**

**Golden Colonnade® Ginkgo**

Zone: 4
Height: 45’
Spread: 25’
Shape: Narrow oval
Foliage: Medium green
Fall Color: Bright yellow
Fruit: Seedless

Thanks to its strongly upright central leader and narrowly oval growth habit, this Ginkgo discovered by Dr. Michael Dirr is ideal for narrow street use. The original tree has male flowers and is observed to be seedless.

**Gleditsia triacanthos**

**Halka™ Honeylocust**

Zone: 4
Height: 40’
Spread: 40’
Shape: Widely oval to round
Foliage: Fine textured, medium green
Fall Color: Yellowish

One of the favorite Honeylocust cultivars because of its vigorous growth, heavy caliper and symmetrical, full crown. Occasionally reported to produce seeds.

**Thornless and Seedless Honeylocust**

All cultivars we offer have been selected as outstanding plants for a variety of characteristics. All are considered essentially thornless and seedless. However, there are reports from around the country of occasional production of fruit and/or thorns by several cultivars. Unusual weather conditions seem to be the key factor in this. When thorns or seeds are produced in one season, the tree generally reverts back to its normal growth habit the following year.
**Gleditsia triacanthos ‘Impcole’**

**Imperial® Honeylocust**

Zone: 4  
Height: 35'  
Spread: 35'  
Shape: Rounded  
Foliage: Fine textured, medium green  
Fall Color: Yellow  
Fruit: Seedless

Imperial® is small and rounded, the most compact and formal of the popular Honeylocust cultivars. Wide branch angles resist storm damage and create a horizontal spreading branch pattern.

**Gleditsia triacanthos ‘Harve’**

**Northern Acclaim® Honeylocust**

Zone: 3b  
Height: 45’  
Spread: 35’  
Shape: Broadly pyramidal  
Foliage: Fine textured, medium green  
Fall Color: Yellow  
Fruit: Seedless

Selected by Dale Herman at North Dakota State University for its cold hardiness in the rugged environment of the Great Plains. Northern Acclaim® develops a more upright shape than most, similar to Skyline®.

**Gleditsia triacanthos ‘Rubylace’**

**Rubylace™ Honeylocust**

Zone: 4  
Height: 30’  
Spread: 25’  
Shape: Rounded to spreading  
Foliage: Maroon, refined, matures to bronze green  
Fall Color: Reddish bronze

Refined, ruby red leaves are truly beautiful in spring and early summer, maturing to bronze red later in the season. Picturesque form is worth the extra effort needed to shape it in the nursery.

**Gleditsia triacanthos ‘Shademaster’**

**Shademaster® Honeylocust**

Zone: 4  
Height: 45’  
Spread: 35’  
Shape: Vase shaped to rectangular in outline  
Foliage: Fine textured, medium green  
Fall Color: Yellow  
Fruit: Seedless

**INSECT RESISTANCE:** Spider mites

Shademaster® features upright ascending then spreading branches which produce an irregularly vase shaped form and a slightly rectangular outline. An excellent street tree, its upright branch structure lends itself to pruning for traffic clearance.

**Gleditsia triacanthos ‘Skycole’**

**Skyline® Honeylocust**

Zone: 4  
Height: 45’  
Spread: 35’  
Shape: Broadly pyramidal  
Foliage: Fine textured, medium green  
Fall Color: Golden  
Fruit: Seedless

The most widely used Honeylocust cultivar. Its upright spreading branch angles, well behaved form and environmental tolerance make Skyline® an ideal street tree in many situations.

**Gleditsia triacanthos ‘Draves’ PP 21698**

**Street Keeper® Honeylocust**

Zone: 4b  
Height: 45’  
Spread: 20’  
Shape: Narrow, strongly upright, tightly pyramidal  
Foliage: Dark green, fine textured  
Fall Color: Yellow

An ideal tree for city streets, this cultivar boasts the tight, narrow form that has long been lacking in urban tolerant honeylocust. The ascending branch structure gives Street Keeper® a canopy that is only half as wide as other cultivars. Foliage is deeper green than other selections.

**Gleditsia triacanthos ‘Suncole’**

**Sunburst® Honeylocust**

Zone: 4  
Height: 40’  
Spread: 35’  
Shape: Irregular, somewhat rectangular outline  
Foliage: Bright yellow tip growth  
Fall Color: Yellow-brown  
Fruit: Seedless

Sunburst® is used for its bright golden yellow, fine textured foliage. The new growth is always bright yellow which contrasts attractively with the darker yellow green interior foliage.

Gain maximum shade in space-challenged landscapes with this sleek, urban tolerant tree. Nearly seedless, its tiny leaflets ensure easy cleanup and cast filtered shade. Perfect for streetside and restricted spaces.

www.StreetKeeperTrees.com
**Gymnocladus**

**Kentucky Coffee Tree**

**Gymnocladus dioicus**

**Kentucky Coffee Tree**

Zone: 4  
Height: 50'  
Spread: 35'  
Shape: Oval to vase shape with upright arching branches  
Foliage: Green, doubly compound  
Fall Color: Yellow

Stark and rugged in the winter, this picturesque native of the midwest becomes tropical in appearance in the summer. Huge fans of doubly compound green leaves emerge to cast filtered shade.

**Espresso™ Kentucky Coffee Tree**

Zone: 4  
Height: 50'  
Spread: 35'  
Shape: Oval to vase shape with upright arching branches  
Foliage: Huge doubly compound leaves, bluish-green  
Fall Color: Yellow

The huge doubly compound leaves give this tree a tropical feel, and the arching branches present an elm-like form. This is a seedless selection. Good tolerance of heat, drought, and cold.

**Halesia**

**Silverbell**

**Halesia carolina monticola**

**Mountain Silverbell**

Zone: 5  
Height: 40'  
Spread: 25'  
Shape: Ascending branches form a conical to rounded crown  
Foliage: Medium green  
Fall Color: Yellow  
Flower: White, bell-shaped

Clusters of snow-white bell shaped flowers borne on pendulous stalks appear in May. They are best seen when this tree is planted where it can be viewed from below. Similar to Carolina Silverbell, but with bigger flowers and larger mature size.

**Halesia carolina 'JFS-PN2Legacy'**

**Crushed Velvet™ Silverbell**

Zone: 5  
Height: 20'  
Spread: 15'  
Shape: Oval  
Foliage: Bluish green, textured  
Fall Color: Yellow  
Flower: White, bell shaped

Reminiscent of crushed velvet, bluish green leaves with a wavy texture inspired the naming of this compact form of our native Silverbell. The smaller leaf size and fine textured branching combine with the velvety foliage to create a plush appearance.

**Rosy Ridge Silverbell**

Zone: 5  
Height: 30'  
Spread: 20'  
Shape: Broadly oval  
Foliage: Dark green  
Fall Color: Yellow  
Flower: Pink, bell shaped

A little faster growing with slightly deeper colored foliage and flowers, this cultivar has a somewhat bolder appearance than ‘Arnold Pink’. A native tree selection made by Hawksridge Farms of North Carolina.

**Crushed Velvet™ Silverbell**

Zone: 5  
Height: 20'  
Spread: 15'  
Shape: Oval  
Foliage: Medium green  
Fall Color: Yellow  
Flower: White, bell shaped, prolific

Slightly more compact and heavier flowering, this is an ideal landscape Silverbell. Flowers are larger than typical and are borne prolifically along the branches.

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Hamamelis

Hamamelis × intermedia 'Arnold Promise'

Arnold Promise Witch Hazel

Zone: 5
Height: 10’
Spread: 10’
Shape: Upright spreading, low branched
Foliage: Green, textured
Fall Color: Yellow
Flower: Bright yellow

Arnold Promise tends to flower early and heavily. Its yellow flowers are among the brightest of the Hamamelis.

Hamamelis × intermedia 'Diane'

Diane Witch Hazel

Zone: 5
Height: 10’
Spread: 10’
Shape: Upright spreading, low branched
Foliage: Green, textured
Fall Color: Bright orange-red
Flower: Crimson-red

Flowers are early (late winter) and large. The long strap shaped stamens are pure yellow, with purple at the center of the flower.

Hamamelis mollis 'Pallida'

Pallida Witch Hazel

Zone: 6
Height: 10’
Spread: 10’
Shape: Upright spreading, low branched
Foliage: Green, textured
Fall Color: Yellow
Flower: Yellow

The flowers of this cultivar are a soft pale yellow, giving the plant a delicate, understated appearance in early spring.

Heptacodium

Heptacodium miconioides

Seven-son Flower

Zone: 5
Height: 15’
Spread: 15’
Shape: Low branched or multi-stem, arching
Foliage: Glossy green
Flower: Fragrant white clusters, red calyces

Calyxes become even more spectacular after the flower petals fall, intensifying to red and holding through autumn. It gives the appearance of blooming twice, first white and then red. Exfoliating bark is attractive and lends interest to the winter landscape.
**Koelreuteria**  
*Koelreuteria paniculata*  
**Goldenrain Tree**

- **Zone:** 5
- **Height:** 30’
- **Spread:** 30’
- **Shape:** Rounded
- **Foliage:** Pinnately compound, medium green
- **Fall Color:** Yellow
- **Flower:** Bright yellow, in large clusters

An impressive tree in midsummer when it is covered with footlong clusters of bright yellow flowers. One of the few trees to bloom at this time of year.

**Summerburst® Goldenrain Tree**

- **Zone:** 5
- **Height:** 30’
- **Spread:** 30’
- **Shape:** Rounded
- **Foliage:** Pinnately compound, glossy dark green
- **Fall Color:** Yellow
- **Flower:** Bright yellow, in large clusters

Lantern-like seed capsules are blushed with pink. Unusual for its foliage that holds up nicely in summer heat, its leaves are darker green, smoother and more glossy than typical of the species. Discovered by Sunleaf Nursery, Ohio, it is appreciated for its symmetry, heat resistance, and improved foliage quality.

**Laburnum**  
*Laburnum × watereri* ‘Vossii’

**Vossii Goldenchain**

- **Zone:** 5
- **Height:** 25’
- **Spread:** 20’
- **Shape:** Vase
- **Foliage:** Dark green
- **Flower:** Golden yellow, in long, hanging clusters

By far the most spectacular of the Laburnums for its longer racemes of rich yellow flowers. The tree has an open, upright vase shape.

**Liquidambar**  
*Liquidambar styraciflua* ‘Clydesform’ PP 10676

**Emerald Sentinel® Sweetgum**

- **Zone:** 5
- **Height:** 30’
- **Spread:** 12’
- **Shape:** Narrowly pyramidal to columnar
- **Foliage:** Dark green
- **Fall Color:** Yellow orange to orange

Narrow and compact, with sturdy upright branches, this tree is ideal for busy city streets. Slower growing than most sweetgum, it is valued for not outgrowing its space.

**Liquidambar styraciflua** ‘Moraine’

**Moraine Sweetgum**

- **Zone:** 5
- **Height:** 40’
- **Spread:** 25’
- **Shape:** Pyramidal
- **Foliage:** Dark green
- **Fall Color:** Burgundy-red

This is widely considered the most cold hardy of the sweetgum cultivars, reliably growing further north than other selections. Foliage is darker green, and habit is more compact than others.

**Liquidambar styraciflua** ‘Rotundiloba’

**Rotundiloba Sweetgum**

- **Zone:** 5b
- **Height:** 45’
- **Spread:** 25’
- **Shape:** Pyramidal
- **Foliage:** Bright green, rounded lobes
- **Fall Color:** Orange to purple
- **Fruit:** Fruitless

This is the only Sweetgum known to be entirely fruitless. The foliage is completely unique among sweetgum cultivars, with smooth, rounded lobes.
**Liriodendron**  
*Tulip Tree*

**Liriodendron tulipifera**  
**Tulip Tree**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Height</th>
<th>Spread</th>
<th>Shape</th>
<th>Foliage</th>
<th>Fall Color</th>
<th>Flower</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>60'</td>
<td>30'</td>
<td>Oval</td>
<td>Medium green</td>
<td>Orange to burgundy</td>
<td>Yellow to greenish yellow with orange center</td>
</tr>
</tbody>
</table>

This fastigiate tree grows quickly to form a tall, strikingly narrow column. One of the tightest and narrowest trees available, it is easier to grow than most. Those grown as hedges quickly become effective visual screens, while single specimens mature to become landscape exclamation points.

**Liriodendron tulipifera**  
**‘Fastigiatum’**

**Columnar Tulip Tree**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Height</th>
<th>Spread</th>
<th>Shape</th>
<th>Foliage</th>
<th>Fall Color</th>
<th>Flower</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>50'</td>
<td>15'</td>
<td>Tightly fastigiate</td>
<td>Medium green</td>
<td>Bright yellow</td>
<td>Yellow with orange center</td>
</tr>
</tbody>
</table>

Tall, narrow and tightly fastigiate, it has one of the best forms of columnar trees. Fast-growing selection retains its slender form in maturity.

**Liriodendron tulipifera**  
**‘JFS-Oz’**

**Emerald City® Tulip Tree**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Height</th>
<th>Spread</th>
<th>Shape</th>
<th>Foliage</th>
<th>Fall Color</th>
<th>Flower</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>55'</td>
<td>25'</td>
<td>Upright oval, slightly compact</td>
<td>Deep green, glossy</td>
<td>Bright, clear yellow</td>
<td>Yellow to greenish yellow with orange center</td>
</tr>
</tbody>
</table>

A refined cultivar of our familiar native tulip tree, this uniform growing selection is straighter and more upright, with a dominant central leader and deeper green, slightly glossy foliage.

**Liriodendron tulipifera**  
**‘Worplesdon’**

**Worplesdon Sweetgum**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Height</th>
<th>Spread</th>
<th>Shape</th>
<th>Foliage</th>
<th>Fall Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>40'</td>
<td>25'</td>
<td>Broadly pyramidal to oval</td>
<td>Green</td>
<td>Orange and purple</td>
</tr>
</tbody>
</table>

Consistently provides good fall color in the Pacific Northwest. Each of the lobes of the leaf is divided into additional lobes, giving the foliage a unique appearance.

**Liquidambar styraciflua**  
**‘Slender Silhouette’**

**Slender Silhouette Sweetgum**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Height</th>
<th>Spread</th>
<th>Shape</th>
<th>Foliage</th>
<th>Fall Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>60'</td>
<td>8'</td>
<td>Tightly columnar</td>
<td>Dark green</td>
<td>Orange to burgundy</td>
</tr>
</tbody>
</table>

This fastigiate tree grows quickly to form a tall, strikingly narrow column. One of the tightest and narrowest trees available, it is easier to grow than most. Those grown as hedges quickly become effective visual screens, while single specimens mature to become landscape exclamation points.

**Liquidambar styraciflua**  
**‘JFS-Oz’**

**Emerald City® Tulip Tree leaves** (right) are deep green, slightly glossy and more refined than those of the species (left).

Tulip-shaped yellow flowers with bright orange centers attract butterflies and hummingbirds. Remarkably dark green leaves cast cool shade and turn buttery yellow in autumn.

www.EmeraldCityTulipTree.com
**Maackia**

*Maackia amurensis*

**Amur Maackia**

Zone: 3  
Height: 25'  
Spread: 20'  
Shape: Upright vase shape with rounded crown  
Foliage: Medium green  
Flower: Upright white clusters

A very hardy, small upright tree that grows well in tough environments. This nitrogen-fixer does well in poor soils and flowers in mid-summer when few others are in bloom.

*Maackia amurensis ‘JFS-Schichtel1’*

**MaacNificent® Amur Maackia**

Zone: 3  
Height: 30'  
Spread: 22'  
Shape: Upright vase  
Foliage: Green with silvery tint  
Fall Color: Yellow  
Flower: White, in upright racemes

The most vigorous Maackia we have seen, with upright branching that forms a beautiful, symmetrical vase shape. Spike-like racemes of white flowers decorate the tree in early summer. The green foliage shows silvery pubescence in spring.

**Maclura**

*Maclura pomifera* ‘White Shield’

**White Shield Osage Orange**

Zone: 5  
Height: 35'  
Spread: 35'  
Shape: Upright spreading, rounded  
Foliage: Glossy dark green  
Fall Color: Yellow  
Fruit: Fruitless  
Thorns: Thornless

Both fruitless and thornless, this tough Midwest native was found in western Oklahoma by plantsman Steve Bieberich. The most thornless of the Osage Orange cultivars, this heat and drought tolerant tree has remarkably dark green, glossy foliage.

**Magnolia**

*Magnolia × loebneri* ‘Ballerina’

**Ballerina Magnolia**

Zone: 4  
Height: 20'  
Spread: 20'  
Shape: Rounded, low branched  
Foliage: Green  
Fall Color: Yellow-green  
Flower: Large, white with pink blush

Large and fragrant flowers are produced a little later in the spring than similar cultivars, thus escaping many late frosts.

*Magnolia grandiflora* ‘Edith Bogue’

**Edith Bogue Magnolia**

Zone: 6  
Height: 30'  
Spread: 15'  
Shape: Pyramidal, tight  
Foliage: Dark green, glossy  
Fall Color: Evergreen  
Flower: Large, creamy white

Tightly pyramidal in form, Edith Bogue stands up better than others under snow and ice, and is considered one of the hardiest cultivars.

*Magnolia ‘Galaxy’*

**Galaxy Magnolia**

Zone: 5  
Height: 30'  
Spread: 15'  
Shape: Pyramidal to oval  
Foliage: Green  
Flower: Reddish purple

A tree form deciduous magnolia with a strong central leader. This U.S. National Arboretum introduction is a hybrid of *M. liliflora* and *M. sprengeri* ‘Diva’.

*Magnolia × loebneri* ‘Leonard Messel’

**Leonard Messel Magnolia**

Zone: 4  
Height: 20'  
Spread: 20'  
Shape: Rounded, low branched  
Foliage: Green  
Flower: Deep pink

Flowers are purple-pink in bud. Blooms are large, opening to deep pink on the outside and light pink inside.
**Magnolia × loebneri ‘Merrill’ (‘Dr. Merrill’)**

**Merrill Magnolia**

Zone: 4  
Height: 25’  
Spread: 25’  
Shape: Rounded, low branched  
Foliage: Green  
Fall Color: Yellow-green  
Flower: Large, white

A hybrid between M. kobus and M. stellata, Merrill flowers at an early age and flowers heavily; Hardy and reliable.

**Magnolia virginiana ‘Jim Wilson’**

**Moonglow® Magnolia**

Zone: 4b  
Height: 35’  
Spread: 18’  
Shape: Upright oval  
Foliage: Green, evergreen to semi-evergreen  
Flower: Creamy white, fragrant

This vigorous growing cultivar features a more upright form, greater cold hardiness, and evergreen foliage that becomes semi-evergreen in northern climates. Creamy white lemon-scented flowers arrive with the warm weather of late spring and continue into summer.

**Magnolia stellata ‘Royal Star’**

**Royal Star Magnolia**

Zone: 5  
Height: 15’  
Spread: 10’  
Shape: Upright spreading shrub, rounded  
Foliage: Green  
Fall Color: Yellow to bronze  
Flower: White

Flowers are larger than the species with nearly twice as many petals. Often considered the best M. stellata cultivar.

**Magnolia × soulangiana ‘Rustica Rubra’**

**Rustica Rubra Magnolia**

Zone: 5  
Height: 20’  
Spread: 20’  
Shape: Upright spreading, rounded  
Foliage: Green  
Fall Color: Yellow-brown  
Flower: Large, rose-red

Rustica Rubra features large rose-red flowers with a whitish interior.

**Magnolia × soulflora × stellata ‘Susan’**

**Susan Magnolia**

Zone: 4  
Height: 10’  
Spread: 10’  
Shape: Upright spreading  
Foliage: Medium green  
Flower: Reddish-purple

Flower buds are long and purple, and open to 5” wide reddish-purple flowers. Heavy flowering.

**Malus**

**Malus ‘Adams’**

**Adams Crabapple**

Zone: 4  
Height: 20’  
Spread: 20’  
Shape: Dense, rounded  
Foliage: Green, with red tint in spring  
Flower: Pink  
Fruit: Red, ½”, persistent

DISEASE RESISTANCE:  
Scab: Good  
Fireblight: Excel.  
Cedar-Apple Rust: Excel.  
Mildew: Good

Deep pink buds open to single pink blooms. This reliable performer has symmetrical form.

**Malus ‘Adirondack’**

**Adirondack Crabapple**

Zone: 4  
Height: 18’  
Spread: 10’  
Shape: Densely upright, an inverted cone  
Foliage: Medium green  
Flower: White  
Fruit: Bright red, ⅛”

DISEASE RESISTANCE:  
Scab: Excel.  
Fireblight: Excel.  
Cedar-Apple Rust: Excel.  
Mildew: Excel.

Adirondack is an important cultivar because of its form and outstanding flower display. It is a compact, dense tree with strongly upright form. It produces one of the heaviest flower displays of the crabs. A National Arboretum introduction.
**Cardinal Crabapple**

Malus ‘Cardinal’

Zone: 4  
Height: 16'  
Spread: 22'  
Shape: Broadly spreading  
Foliage: Dark purple-red, glossy  
Flower: Bright pinkish-red  
Fruit: Deep red, ½”

**DISEASE RESISTANCE:**  
Scab: Excel.  
Fireblight: Good  
Cedar-Apple Rust: Excel.  
Mildew: Excel.

Foliage holds its rich color through the summer and has the best disease resistance of crabs with deep purple leaf color. Flowers of this Malus hupehensis hybrid are bright magenta-pink to red.

---

**Dolgo Crabapple**

Malus ‘Dolgo’

Zone: 3  
Height: 30’  
Spread: 25’  
Shape: Upright spreading, open  
Foliage: Green  
Flower: White  
Fruit: Red, oval 1/2”, edible

**DISEASE RESISTANCE:**  
Scab: Good  
Fireblight: Good  
Cedar-Apple Rust: Excel.  
Mildew: Excel.

One of the hardiest and earliest of the crabapples to bloom, pink buds of Dolgo open to large, fragrant white flowers. Abundant fruits ripening in mid-summer are edible and excellent for jelly.

---

**Centurion® Crabapple**

Malus ‘Centzam’

Zone: 4  
Height: 20’  
Spread: 15’  
Shape: Narrow, upright  
Foliage: Purple, fading to bronze-green in summer  
Flower: Rose-red  
Fruit: Bright red, ½”

**DISEASE RESISTANCE:**  
Scab: Good  
Fireblight: Excel.  
Cedar-Apple Rust: Excel.  
Mildew: Excel.

Red buds open to rosy red flowers. Form is strongly upright when young, becoming upright-spreading as it matures.

---

**Donald Wyman Crabapple**

Malus ‘Donald Wyman’

Zone: 4  
Height: 20’  
Spread: 24’  
Shape: Rounded  
Foliage: Green  
Flower: White  
Fruit: Red, ½”, persistent

**DISEASE RESISTANCE:**  
Scab: Good  
Fireblight: Fair  
Cedar-Apple Rust: Excel.  
Mildew: Good

Glossy clean foliage gives the tree a fresh appearance all summer. Small bright red fruit is among the most persistent of all crabapples.

---

**Dolgo Crabapple**

Malus sargentii ‘Select A’ PP 12621

Firebird® Crabapple

**DISEASE RESISTANCE:**  
Scab: Excel.  
Fireblight: Excel.  
Cedar-Apple Rust: Excel.  
Mildew: Excel.

This compact selection of M. sargentii features long lasting, high quality fruit. Annual fruit display is more persistent than any other natural dwarf crabapple.
**Malus floribunda**

**Floribunda Crabapple**  
syn. Japanese Flowering Crabapple

Zone: 4  
Height: 18'  
Spread: 25'  
Shape: Spreading, irregular  
Foliage: Green  
Flower: Pink, fading to white  
Fruit: Yellow-red, ⅜'

**DISEASE RESISTANCE:**  
Scab: Good  
Fireblight: Fair  
Cedar-Apple Rust: Excel.  
Mildew: Good

An old variety, proven over the years to be one of the best. Very graceful habit with irregular spreading branches produces a fine winter silhouette.

**Malus ‘Schmidtcutleaf’**

**Golden Raindrops® Crabapple**

Zone: 3  
Height: 20'  
Spread: 15'  
Shape: Upright, vase shaped  
Foliage: Green, deeply cut  
Flower: White  
Fruit: Golden yellow, ⅜''

**DISEASE RESISTANCE:**  
Scab: Excel.  
Fireblight: Poor  
Cedar-Apple Rust: Excel.  
Mildew: Excel.

Fine textured, deeply cut foliage gives this unusual crab a delicate appearance. The form is elegant, with slender limbs spreading horizontally from upright branches. The abundant golden yellow fruit is truly tiny.

**Malus ‘Hargozam’**

**Harvest Gold® Crabapple**

Zone: 4  
Height: 22'  
Spread: 18'  
Shape: Upright oval  
Foliage: Dark green  
Flower: White  
Fruit: Yellow, ⅜'', persistent

**DISEASE RESISTANCE:**  
Scab: Fair  
Fireblight: Good  
Cedar-Apple Rust: Excel.  
Mildew: Good

One of the best yellow fruited crabs, it features neat, crisp, dark green foliage and an upright branch habit.

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<table>
<thead>
<tr>
<th>NAME</th>
<th>SIZE</th>
<th>SHAPE</th>
<th>FOLIAGE</th>
<th>FLOWER</th>
<th>FRUIT</th>
<th>DISEASE RESISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADAMS</td>
<td>20 20</td>
<td>Dense, rounded</td>
<td>Green with reddish tint in spring</td>
<td>Deep pink buds open to pink blooms, single</td>
<td>Red, ½&quot; persistent</td>
<td>Good Excel Excel Good</td>
</tr>
<tr>
<td>ADIRONDACK</td>
<td>18 10</td>
<td>Densely upright, inverted cone</td>
<td>Medium green</td>
<td>White</td>
<td>Bright red, ½&quot;</td>
<td>Excel Excel Excel Excel Excel</td>
</tr>
<tr>
<td>CARDINAL</td>
<td>16 22</td>
<td>Broadly spreading</td>
<td>Dark purple-red, glossy</td>
<td>Magenta-pink to red</td>
<td>Deep red, ½&quot;</td>
<td>Excel Good Excel Excel</td>
</tr>
<tr>
<td>CENTURION®</td>
<td>20 15</td>
<td>Narrow, upright</td>
<td>Purple, fading to bronze-green in summer</td>
<td>Rose-red</td>
<td>Bright red, ½&quot;</td>
<td>Good Excel Excel Excel Excel</td>
</tr>
<tr>
<td>CORALBURST®</td>
<td>15 15</td>
<td>Compact, dense, rounded</td>
<td>Dark green</td>
<td>Coral pink buds, double rose colored flowers</td>
<td>Bronze, ½&quot;</td>
<td>Fair Excel Excel Excel</td>
</tr>
<tr>
<td>DOLGO</td>
<td>30 25</td>
<td>Upright, spreading, open</td>
<td>Green, glossy</td>
<td>White, 1½&quot;, single</td>
<td>Red, 1½&quot;, edible</td>
<td>Good Good Excel Excel Excel</td>
</tr>
<tr>
<td>DONALD WYMAN</td>
<td>20 24</td>
<td>Rounded</td>
<td>Green, glossy and clean</td>
<td>Single, white</td>
<td>Bright red, ½&quot;, abundant, persistent</td>
<td>Good Fair Excel Good</td>
</tr>
<tr>
<td>FIREBIRD®</td>
<td>8 10</td>
<td>Rounded, spreading</td>
<td>Dark green</td>
<td>White, opening from red buds</td>
<td>Bright red, ½&quot; persistent</td>
<td>Excel Excel Excel Excel Excel</td>
</tr>
<tr>
<td>FLORIBUNDA</td>
<td>18 25</td>
<td>Horizontally spreading, irregular</td>
<td>Green</td>
<td>Pink buds maturing to white single flowers</td>
<td>Yellow-red, ½&quot;</td>
<td>Good Fair Good Good</td>
</tr>
<tr>
<td>GOLDEN RAINDROPS®</td>
<td>20 15</td>
<td>Upright, vase shaped</td>
<td>Green, deeply cut</td>
<td>Delicate and startike, white, profuse</td>
<td>Golden yellow and tiny, ½&quot;</td>
<td>Excel Poor Excel Excel</td>
</tr>
<tr>
<td>HARVEST GOLD®</td>
<td>22 18</td>
<td>Upright oval</td>
<td>Dark green</td>
<td>White</td>
<td>Yellow, ½&quot;, persistent</td>
<td>Fair Fair Good Good</td>
</tr>
<tr>
<td>INDIAN MAGIC</td>
<td>15 15</td>
<td>Upright, spreading</td>
<td>Dark green</td>
<td>Deep pink, 1½&quot;, single</td>
<td>Orange red, ½&quot;, persistent</td>
<td>Fair Good Good Excel</td>
</tr>
<tr>
<td>KLEHM’S IMPROVED BECHTEL</td>
<td>20 18</td>
<td>Rounded</td>
<td>Medium green</td>
<td>Fragrant, double pink. Late season bloomer</td>
<td>Green,sparse, 1½&quot;</td>
<td>Fair Fair Poor Excel Excel</td>
</tr>
<tr>
<td>LOLLIPOP®</td>
<td>10 10</td>
<td>Round, compact</td>
<td>Green</td>
<td>White</td>
<td>Yellow, ½&quot;</td>
<td>Good Good Excel Excel Excel</td>
</tr>
<tr>
<td>LOUISA</td>
<td>10 12</td>
<td>Weeping</td>
<td>Dark green, glossy</td>
<td>True pink</td>
<td>Yellow, ½&quot;</td>
<td>Excel Good Good Good</td>
</tr>
<tr>
<td>MARILEE®</td>
<td>24 10</td>
<td>Narrow upright, inverted cone</td>
<td>Medium green</td>
<td>Double, large white</td>
<td>Virtually fruitless</td>
<td>Good Good Good Excel</td>
</tr>
<tr>
<td>PERFECT PURPLE</td>
<td>20 20</td>
<td>Rounded</td>
<td>Deep purple</td>
<td>Deep pink to rose red</td>
<td>Purple red</td>
<td>Fair Fair Good Excel</td>
</tr>
<tr>
<td>PINK PRINCESS™</td>
<td>8 12</td>
<td>Low, spreading</td>
<td>Purple becoming bronze-green</td>
<td>Rose pink</td>
<td>Deep red, ½&quot;</td>
<td>Excel Excel Excel Excel Excel</td>
</tr>
<tr>
<td>PRAIRIE ROSE</td>
<td>20 18</td>
<td>Rounded</td>
<td>Medium green</td>
<td>Double, deep pink, fragrant</td>
<td>Usually fruitless</td>
<td>Good Fair Poor Good</td>
</tr>
<tr>
<td>PRAIRIFIRE</td>
<td>20 20</td>
<td>Upright, spreading, becoming rounded</td>
<td>Red-maroon, aging reddish green</td>
<td>Crimson buds, bright pinkish red, single flowers</td>
<td>Dark red, ½&quot;, persistent</td>
<td>Excel Good Excel Excel</td>
</tr>
<tr>
<td>PROFESSOR SPRENGER</td>
<td>20 20</td>
<td>Upright, spreading</td>
<td>Green</td>
<td>Pink buds open to white single flowers</td>
<td>Orange-red, ½&quot;, persistent</td>
<td>Excel Fair Excel Excel</td>
</tr>
<tr>
<td>PROFUSION</td>
<td>20 20</td>
<td>Upright, spreading</td>
<td>Purple when young, maturing to bronze</td>
<td>Deep pink, single</td>
<td>Maroon, ½&quot;, persistent</td>
<td>Fair Good Excel Good</td>
</tr>
<tr>
<td>PURPLE PRINCE</td>
<td>20 20</td>
<td>Rounded</td>
<td>Purple, becoming bronze green</td>
<td>Rose red</td>
<td>Maroon, ½&quot;-1½&quot;</td>
<td>Excel Good Excel Good</td>
</tr>
<tr>
<td>RADIANT</td>
<td>25 20</td>
<td>Broad, rounded crown</td>
<td>Red-purple when young, maturing to green</td>
<td>Deep red buds, single deep pink flowers</td>
<td>Bright red, ½&quot;</td>
<td>Poor Excel Good Fair</td>
</tr>
<tr>
<td>RED BARRON</td>
<td>18 8</td>
<td>Narrow, columnar</td>
<td>Reddish-purple, maturing to bronze-green</td>
<td>Dark red, single</td>
<td>Dark red, ½&quot;</td>
<td>Fair Good Excel Excel</td>
</tr>
<tr>
<td>RED JADE</td>
<td>10 15</td>
<td>Long, graceful, slender weeping branches</td>
<td>A glossy vibrant green</td>
<td>Deep pink buds, white flowers</td>
<td>Bright glossy red, ½&quot;, abundant, persistent</td>
<td>Fair Fair Excel Fair</td>
</tr>
<tr>
<td>RED JEWEL™</td>
<td>15 12</td>
<td>Upright and pyramidal</td>
<td>Green</td>
<td>Pure white, single</td>
<td>Brilliant red, ½&quot;, very persistent</td>
<td>Good Fair Excel Good</td>
</tr>
<tr>
<td>ROBINSON</td>
<td>25 25</td>
<td>Upright, spreading, rounded</td>
<td>Bronze-green, good fall color</td>
<td>Buds crimson, single flowers deep pink</td>
<td>Dark glossy red, ½&quot;</td>
<td>Good Excel Excel Excel</td>
</tr>
<tr>
<td>ROYAL RAINDROPS®</td>
<td>20 15</td>
<td>Upright, spreading</td>
<td>Purple, cutleaf, orange red in fall</td>
<td>Bright pinkish-red</td>
<td>Red, ¼&quot;, persistent</td>
<td>Excel Good Excel Good</td>
</tr>
<tr>
<td>ROYALTY</td>
<td>15 15</td>
<td>Upright, rounded</td>
<td>Dark purple, glossy</td>
<td>Purple to crimson, single</td>
<td>Dark red, ¼&quot;-½&quot;</td>
<td>Poor Fair Excel Excel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DISEASE RESISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCAB</td>
</tr>
<tr>
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## Crabapple Information Chart

<table>
<thead>
<tr>
<th>NAME</th>
<th>SIZE</th>
<th>SHAPE</th>
<th>FOLIAGE</th>
<th>FLOWER</th>
<th>FRUIT</th>
<th>DISEASE RESISTANCE</th>
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<tr>
<td>SARGENT TINA</td>
<td>5</td>
<td>6</td>
<td>Small rounded dwarf tree</td>
<td>Medium green, small leaves</td>
<td>Bright red buds opening to single white flowers</td>
<td>Bright red, 1/4&quot;</td>
</tr>
<tr>
<td>SHOW TIME™</td>
<td>22</td>
<td>20</td>
<td>Broadly oval to rounded</td>
<td>Purple bronze to bronze green</td>
<td>Bright pinkish red</td>
<td>Red, 1/2&quot;</td>
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<tr>
<td>SPRING SNOW</td>
<td>25</td>
<td>22</td>
<td>Dense, oval</td>
<td>Medium green</td>
<td>Pure white, fragrant, single</td>
<td>Nearly sterile, Excellent for patios &amp; courtyards.</td>
</tr>
<tr>
<td>TSCHONOSKII</td>
<td>28</td>
<td>14</td>
<td>Upright, narrowly oval</td>
<td>Emerges silvery green. Outstanding fall color</td>
<td>White, single</td>
<td>Greenish, sparse, 1&quot;</td>
</tr>
<tr>
<td>VELVET PILLAR™</td>
<td>20</td>
<td>14</td>
<td>Upright head with ascending branches</td>
<td>Purple</td>
<td>Pink, single</td>
<td>Maroon-red, 1/4&quot;, sparse</td>
</tr>
<tr>
<td>ZUMI CALOCARPA</td>
<td>20</td>
<td>24</td>
<td>Rounded, gracefully spreading</td>
<td>Large green leaves, dense canopy</td>
<td>Buds red, flowers white, single, fragrant, 11/4&quot;</td>
<td>Bright red, glossy, small, 1/4&quot;, persistent</td>
</tr>
</tbody>
</table>

### Rootstocks for Crabapples

Our ornamental crabapples are offered on three distinct apple understocks; domestic, hardy seedling and RightRoot™ crabapple rootstock.

**Domestic**

This “old standard” rootstock still gives the best growth rate and produces a very uniform, deep root system. Roots go deep to find water in dry areas, and provide extremely good anchorage. Its main disadvantage is heavy suckering. It is also slightly less cold hardy.

**Hardy Crabapple Seedling**

Dolgo crabapple seedlings are excellent rootstocks for the coldest areas. They produce well-branched root systems, and have a growth rate close to that of Domestic. This is the rootstock to have in areas where temperatures drop to -30° F. with no snow cover. In years of Dolgo seed shortage, we may substitute different but equally hardy crab seedlings, such as *Malus antonovka*.

### RightRoot™ Crabapple Rootstock

Ornamental crabapples are truly trouble free garden trees when grown on RightRoot™ crabapple rootstock. Proven to be the best all-around performer in our multi-year trials, this time-tested clonal understock virtually eliminates suckering.

In addition to having the lowest number of basal suckers in our tests, trees grown on RightRoot™ understocks have better anchorage and vigorous growth rate. Additional reasons to choose this improved understock include:

- Extremely cold hardy
- Growth rate is close to domestic
- Produces a faster growing tree than EMLA 111
- Resists collar rot and crown gall
- Does not develop burr knot
- Symmetrical root structure is a good balance of fibrous and structural roots
- Adapts well to various soils, including wet or dry sites
**Malus ‘Louisa’**  
**Louisa Crabapple**

- **Zone:** 4  
- **Height:** 10’  
- **Spread:** 12’  
- **Shape:** Weeping  
- **Foliage:** Dark green, glossy  
- **Flower:** True pink  
- **Fruit:** Yellow, ½”

**DISEASE RESISTANCE:**  
- **Scab:** Excel.  
- **Fireblight:** Good  
- **Cedar-Apple Rust:** Good  
- **Mildew:** Excel.

A pink flowered weeping crab with excellent form and dark green, glossy foliage.

---

**Malus ‘Jarmin’ PP 14337**  
**Marilee® Crabapple**

- **Zone:** 4  
- **Height:** 24’  
- **Spread:** 10’  
- **Shape:** Narrow upright, inverted cone  
- **Foliage:** Medium green  
- **Flower:** Double, large white  
- **Fruit:** Virtually fruitless

**DISEASE RESISTANCE:**  
- **Scab:** Good  
- **Fireblight:** Good  
- **Cedar-Apple Rust:** Good  
- **Mildew:** Excel.

Pink buds open to unusually large, white, double blooms. Unique for its stiffly upright, narrow form and virtually fruitless nature, it is an excellent choice for courtyard settings and streetscapes, and for use near utility lines.

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**Malus ‘Perfect Purple’**  
**Perfect Purple Crabapple**

- **Zone:** 4  
- **Height:** 20’  
- **Spread:** 20’  
- **Shape:** Upright, spreading, rounded  
- **Foliage:** Purple, becoming reddish green  
- **Fall Color:** Purple  
- **Flower:** Deep pink to rose red  
- **Fruit:** Purple red

**DISEASE RESISTANCE:**  
- **Scab:** Fair  
- **Fireblight:** Fair  
- **Cedar-Apple Rust:** Good.  
- **Mildew:** Excel.

Deep pink blooms set the spring stage for dark purple foliage that crowns the perfectly rounded canopy of this attractive tree. Very cold hardy, this crab has performed well in the North and Inter-mountain regions.

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**Malus ‘Parrsi’**  
**Pink Princess™ Crabapple**

- **Zone:** 5  
- **Height:** 8’  
- **Spread:** 12’  
- **Shape:** Low, spreading  
- **Foliage:** Purple, becoming bronze green  
- **Flower:** Rose pink  
- **Fruit:** Deep red, ¼”

**DISEASE RESISTANCE:**  
- **Scab:** Excel.  
- **Fireblight:** Excel.  
- **Cedar-Apple Rust:** Excel.  
- **Mildew:** Excel.

A pink flowered, red leaf form of Sargent Crab. A naturally dwarf tree with all the desirable features of Sargent, but in a new color.

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**Malus ioensis ‘Prairie Rose’**  
**Prairie Rose Crabapple**

- **Zone:** 4  
- **Height:** 20’  
- **Spread:** 18’  
- **Shape:** Rounded  
- **Foliage:** Medium green  
- **Flower:** Double, deep pink, fragrant  
- **Fruit:** Usually fruitless

**DISEASE RESISTANCE:**  
- **Scab:** Good  
- **Fireblight:** Fair  
- **Cedar-Apple Rust:** Poor  
- **Mildew:** Good.

Large and fragrant double pink flowers look like miniature rosebuds. Introduced by the University of Illinois, this selection of the midwest native crabapple is welcomed for its fruitless character.

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**Malus ‘Prairifire’**  
**Prairifire Crabapple**

- **Zone:** 4  
- **Height:** 20’  
- **Spread:** 20’  
- **Shape:** Upright, spreading, rounded  
- **Foliage:** Purple, becoming reddish green  
- **Flower:** Bright pinkish red  
- **Fruit:** Dark red, ¼”-½”

**DISEASE RESISTANCE:**  
- **Scab:** Excel.  
- **Fireblight:** Good  
- **Cedar-Apple Rust:** Excel.  
- **Mildew:** Excel.

One of the best red leafed crabs, Prairifire has impressive landscape impact. Attributes include long lasting bright red flowers, excellent red fruit, and attractive reddish bark.

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© J. Frank Schmidt & Son Co.
Malus ‘Professor Sprenger’

**Professor Sprenger Crabapple**

Zone: 4  
Height: 20’  
Spread: 20’  
Shape: Upright, spreading  
Foliage: Purple, fading to bronze  
Flower: Pink  
Fruit: Maroon, 1⁄2”, persistent

**DISEASE RESISTANCE:**  
Scab: Excel.  
Fireblight: Good  
Cedar-Apple Rust: Excel.  
Mildew: Excel.

Red buds open to fragrant pink and white flowers. More upright in habit and larger in size than most crabs, it features unusual orange-red fruit.

Malus ‘Profusion’

**Profusion Crabapple**

Zone: 4  
Height: 20’  
Spread: 20’  
Shape: Upright, spreading  
Foliage: Purple, fading to bronze  
Flower: Pink  
Fruit: Orange-red, 1⁄2”, persistent

**DISEASE RESISTANCE:**  
Scab: Fair  
Fireblight: Good  
Cedar-Apple Rust: Excel.  
Mildew: Excel.

Inspiration for the name of this popular and time-tested variety comes from its dependably heavy crop of deep pinkish red flowers. These are followed by a profusion of persistent maroon fruits.

Malus ‘Purple Prince’

**Purple Prince Crabapple**

Zone: 4  
Height: 20’  
Spread: 20’  
Shape: Rounded  
Foliage: Purple, becoming bronze green  
Flower: Rose red  
Fruit: Maroon, 3⁄8”-1⁄2”

**DISEASE RESISTANCE:**  
Scab: Excel.  
Fireblight: Good  
Cedar-Apple Rust: Excel.  
Mildew: Excel.

The purple bronze foliage and bright flowers of this outstanding rosy bloom crab rival those of Liset. Purple Prince is also faster growing and does not suffer from stem splitting. Probably the best purple foliaged crab for growers, it is also a low maintenance tree in the landscape.

Malus ‘Radiant’

**Radiant Crabapple**

Zone: 3  
Height: 25’  
Spread: 20’  
Shape: Broad, round crown  
Foliage: New leaves red-purple, mature to bronze-green  
Flower: Deep red buds, single pink blooms  
Fruit: Bright red, 1⁄2”

**DISEASE RESISTANCE:**  
Scab: Poor  
Fireblight: Excel.  
Cedar-Apple Rust: Good  
Mildew: Fair.

A hardy University of Minnesota introduction, this tree resists fireblight and performs well in the Rocky Mountain and inter-mountain states.

Malus ‘Red Barron’

**Red Barron Crabapple**

Zone: 4  
Height: 18’  
Spread: 8’  
Shape: Narrow, columnar  
Foliage: Purple, maturing to bronze-green  
Flower: Dark red  
Fruit: Dark red, 1⁄2”

**DISEASE RESISTANCE:**  
Scab: Fair  
Fireblight: Good  
Cedar-Apple Rust: Excel.  
Mildew: Excel.

Ascending branch structure, narrow form and adaptability to urban conditions have earned Red Barron a place on our UtiliTrees™ list.

Malus ‘Red Jade’

**Red Jade Crabapple**

Zone: 3  
Height: 10’  
Spread: 15’  
Shape: Weeping, graceful  
Foliage: Medium green  
Flower: Deep pink buds, white flowers  
Fruit: Bright glossy red, 1⁄2”, abundant

**DISEASE RESISTANCE:**  
Scab: Fair  
Fireblight: Fair  
Cedar-Apple Rust: Excel.  
Mildew: Fair.

Desirable for its graceful form, white flowers, and its abundant cherry red fruit. Like many of the weepers, it looks its best when grown as a solitary specimen.
Malus ‘Royalty’

Malus ‘Jewelcole’

**Red Jewel™ Crabapple**

**Zone:** 4  
**Height:** 15’  
**Spread:** 12’  
**Shape:** Upright, pyramidal  
**Foliage:** Green  
**Flower:** White  
**Fruit:** Red, ½”, very persistent

**DISEASE RESISTANCE:**  
**Scab:** Good  
**Fireblight:** Fair  
**Cedar-Apple Rust:** Excel.  
**Mildew:** Good

Bright red fruits are among the most profuse and persistent of any crab, holding fast until spring in mild winter areas, when they are replaced by an abundance of white blooms.

Malus ‘JFS-KW5’ PP 14375

**Royal Raindrops® Crabapple**

**Zone:** 4  
**Height:** 20’  
**Spread:** 15’  
**Shape:** Upright spreading  
**Foliage:** Purple, cutleaf  
**Fall Color:** Orange-red  
**Flower:** Bright pinkish red  
**Fruit:** Red, ¼”, persistent

**DISEASE RESISTANCE:**  
**Scab:** Excel.  
**Fireblight:** Good  
**Cedar-Apple Rust:** Excel.  
**Mildew:** Good

Bright pinkish red flowers combine with deep purple cutleaf foliage to present a unique new crab. Deeply lobed leaves and upright form with good branching and density are inherited from its Golden Raindrops® parent. Nursery growth is outstanding, and it displays good to excellent resistance to the common diseases.

Malus ‘JFS-KW5’ PP 14375

**Malus ‘Jewelcole’**

**Robinson Crabapple**

**Zone:** 4  
**Height:** 25’  
**Spread:** 25’  
**Shape:** Upright, spreading, rounded  
**Foliage:** Bronze green  
**Flower:** Deep pink  
**Fruit:** Red, ⅜”

**DISEASE RESISTANCE:**  
**Scab:** Good  
**Fireblight:** Excel.  
**Cedar-Apple Rust:** Excel.  
**Mildew:** Excel.

The fastest growing crabapple—it becomes established and makes an impact in the landscape quickly, yet matures at normal crabapple size.

Malus ‘Jewelcole’

**Malus ‘Royalty’**

**Royalty Crabapple**

**Zone:** 4  
**Height:** 15’  
**Spread:** 15’  
**Shape:** Upright, rounded  
**Foliage:** Purple, glossy  
**Flower:** Single, purple to crimson  
**Fruit:** Dark red, ¼”-¾”

**DISEASE RESISTANCE:**  
**Scab:** Poor  
**Fireblight:** Fair  
**Cedar-Apple Rust:** Excel.  
**Mildew:** Excel.

Perhaps the first purple leaf flowering crab to challenge the purple leaf flowering plums. Flowers are almost the same color as the leaves.

**Malus sargentii**

**Sargent Tina Crabapple**

**Malus sargentii ‘Tina’**

**Zone:** 4  
**Height:** 5’  
**Spread:** 6’  
**Shape:** Small rounded dwarf tree  
**Foliage:** Medium green, small leaves  
**Flower:** Bright red buds opening to single white flowers  
**Fruit:** Bright red, ¼”

**DISEASE RESISTANCE:**  
**Scab:** Excel.  
**Fireblight:** Good  
**Cedar-Apple Rust:** Excel.  
**Mildew:** Excel.

This most petite of all crabapples is grown as a top graft. Flowers, fruit and leaves are all quite small.

**Malus sargentii ‘Tina’**

**Sargent Crabapple**

**Zone:** 5  
**Height:** 8’  
**Spread:** 12’  
**Shape:** Low, spreading  
**Foliage:** Dark green  
**Flower:** White  
**Fruit:** Bright red, ¼”, persistent

**DISEASE RESISTANCE:**  
**Scab:** Excel.  
**Fireblight:** Excel.  
**Cedar-Apple Rust:** Excel.  
**Mildew:** Excel.

A natural dwarf with horizontal spreading branches. These are laden with bright red fruits that persist long into the winter months Outstanding when planted in groups.

www.RoyalRaindrops.com

www.jfschmidt.com
**Malus ‘Shotizam’**

**Show Time™ Crabapple**

Zone: 4  
Height: 22'  
Spread: 20'  
Shape: Broadly oval to rounded  
Foliage: Green, glossy  
Flower: Bright pinkish red  
Fruit: Red, ⅛"  

**DISEASE RESISTANCE:**  
Scab: Good  
Fireblight: Poor  
Cedar-Apple Rust: Excellent  
Mildew: Excellent

Heavy blooming, with large bright fuchsia-pink flowers that are striking in springtime. Dark green foliage has a red overlay. A vigorous grower with upright oval form, it features bright red fruits in autumn.

**Malus ‘Snowdrift’**

**Snowdrift Crabapple**

Zone: 4  
Height: 20'  
Spread: 20'  
Shape: Upright, spreading, rounded, dense  
Foliage: Purple bronze to bronze green  
Flower: Bright pinkish red  
Fruit: Red, ⅛", persistent

**DISEASE RESISTANCE:**  
Scab: Good  
Fireblight: Fair  
Cedar-Apple Rust: Excellent  
Mildew: Excellent

One of the most popular crabs. The crown is very uniform and symmetrical, making it one of the more formal looking crabs.

**Malus 'Spring Snow'**

**Spring Snow Crabapple**

Zone: 4  
Height: 25'  
Spread: 22'  
Shape: Upright, spreading, rounded, dense  
Foliage: Green, glossy  
Flower: White  
Fruit: None

**DISEASE RESISTANCE:**  
Scab: Good  
Fireblight: Fair  
Cedar-Apple Rust: Excellent  
Mildew: Excellent

Featuring pure white flowers but no fruit, this is the crabapple to use in locations such as patios and courtyards where fruit would be objectionable. It flowers well on an annual basis.

**Malus × zumi ‘Calocarpa’**

**Zumi Calocarpa Crabapple**

Zone: 5  
Height: 20'  
Spread: 24'  
Shape: Rounded, gracefully spreading  
Foliage: Green  
Flower: Red buds, white flowers  
Fruit: Red, ⅛", persistent

Very popular, widely used and time tested, this is a standard for comparison for white flowered crabs. Don’t confuse M. zumi ‘Calocarpa’ with straight M. zumi.
**Metasequoia**

*Metasequoia glyptostroboides*

**Dawn Redwood**

- **Zone:** 5
- **Height:** 70’
- **Spread:** 25’
- **Shape:** Narrow, conical
- **Foliage:** Medium green, deciduous conifer
- **Fall Color:** Rusty orange

Light green needles of this fast-growing conifer present a very bright summer appearance. Deciduous character allows winter sun to penetrate and warm buildings that are shaded in summer.

*Metasequoia glyptostroboides ‘Gold Rush’*

**Gold Rush Dawn Redwood** *(syn. ‘Ogon’)*

- **Zone:** 5
- **Height:** 50’
- **Spread:** 20’
- **Shape:** Narrow, conical
- **Foliage:** Bright yellow, deciduous conifer
- **Fall color:** Rusty orange

The bright yellow summer needles of this large deciduous conifer call for attention in any landscape. Pyramidal and intensely colored, and tolerant of both heat and cold, it is one of the most widely adaptable trees with yellow foliage.

**Nyssa**

*Nyssa sylvatica*

**Black Tupelo**

- **Zone:** 5
- **Height:** 35’
- **Spread:** 20’
- **Shape:** Pyramidal when young, spreading and irregular with age
- **Foliage:** Dark green, glossy
- **Fall Color:** Hot coppery red

Rich green glossy foliage ignites with brilliant fall tones, ranging from scarlet to maroon, yellow and orange. Fissured grey bark provides winter interest. Adaptable to urban conditions including compacted and poorly drained soils and occasional drought.

*Nyssa sylvatica ‘David Odom’*

**Afterburner® Tupelo**

- **Zone:** 5
- **Height:** 35’
- **Spread:** 20’
- **Shape:** Upright pyramidal to oval
- **Foliage:** Bright green, glossy
- **Fall Color:** Bright red
- **Fruit:** Blue-black, ¾”

The symmetrical, uniform and upright branch structure and straight central leader make this cultivar easier to grow and better suited than seedlings of the species for use as a street tree. High gloss foliage shines through the summer and then turns bright red in fall, burning brightly after most tupelo have defoliated.

*Nyssa sylvatica ‘JFS-PN Legacy1’*

**Gum Drop® Tupelo**

- **Zone:** 5
- **Height:** 30’
- **Spread:** 20’
- **Shape:** Upright oval
- **Foliage:** Dark green, glossy
- **Fall Color:** Bright red
- **Fruit:** Seedless

Glossy dark green foliage, bright red autumn leaves and upright, oval form distinguish this standout tupelo selected from the fields of Princeton Nursery. Improved density and slightly compact form are reasons to choose it over highly variable trees grown from seed.

*Morus*

*Morus alba ‘Chaparral’*

**Chaparral Weeping Mulberry**

- **Zone:** 4
- **Height:** 12’
- **Spread:** 16’
- **Shape:** Weeping
- **Foliage:** Bright green, glossy
- **Fall Color:** Yellowish
- **Fruit:** Seedless

Gracefully weeping branches are draped in attractive glossy green foliage that turns yellow in autumn. Appreciated for its fruitless nature, it is widely adaptable to harsh growing conditions including extremes of heat and cold.
**Nyssa sylvatica ‘Haymanred’**

**Red Rage® Tupelo**

- **Zone:** 5
- **Height:** 35’
- **Spread:** 20’
- **Shape:** Broadly pyramidal
- **Foliage:** Dark green, glossy
- **Fall Color:** Bright red
- **Fruit:** Seedless

**DISEASE RESISTANCE:** leaf spot

Discovered by plantsman Mike Hayman in southern Indiana, Red Rage® features deep green, high gloss summer foliage that resists leaf spot, then turns bright red with the onset of fall weather.

**Nyssa sylvatica ‘Wildfire’**

**Wildfire Tupelo**

- **Zone:** 6
- **Height:** 40’
- **Spread:** 25’
- **Shape:** Broadly pyramidal to oval
- **Foliage:** Dark green, red new growth
- **Fall Color:** Yellow-orange to purplish
- **Fruit:** Seedless

This tupelo offers an extra season of brightly colored foliage. Spring brings a surprising flush of deep red new growth, which continues as long as new leaves emerge. Summer foliage is green, changing to autumn tints of orange-yellow to purplish red.

**Ostrya virginiana**

**American Hophornbeam**

- **Zone:** 4
- **Height:** 40’
- **Spread:** 25’
- **Shape:** Upright oval
- **Foliage:** Dark green
- **Fall Color:** Yellow

This handsome small tree performs well in urban settings. Pest resistant and tolerant of drought and alkaline soils, its hard wood resists damage from ice and snow. Hop-like fruits and finely serrated hornbeam-like leaves give this adaptable tree its name.

**Ostrya arboreum**

**Sourwood**

- **Zone:** 5
- **Height:** 20’
- **Spread:** 15’
- **Shape:** Pyramidal to rounded
- **Foliage:** Dark green, glossy
- **Fall Color:** Orange, scarlet
- **Flower:** Creamy white, bell shaped

A slow-growing, small tree whose light green, bronze tinted foliage turns brilliant orange and scarlet tones in the fall. Creamy white, bell shaped clusters up to 10 inches in length smother its branches in mid-summer.

**Parrotia persica**

**Persian Parrotia**

- **Zone:** 5
- **Height:** 30’
- **Spread:** 20’
- **Shape:** Broadly pyramidal to rounded
- **Foliage:** Green, textured
- **Fall Color:** Yellow, orange and red
- **Flower:** Showy red stamens

This low-branched small tree with unusual form and texture, making it an interesting specimen. Early blooming small flowers have showy red stamens. Its fall color is generally excellent, often a bright mix of yellow, orange and red.

**Parrotia persica ‘JLColumnar’ P.A.F.**

**Persian Spire™ Parrotia**

- **Zone:** 5
- **Height:** 25’
- **Spread:** 10’
- **Shape:** Columnar to upright oval
- **Foliage:** Green, fine textured
- **Fall Color:** Orange, red, yellow and burgundy
- **Flower:** Showy red stamens

Unique for both its form and fine texture, this strongly upright tree is a colorful choice for hedges, screens and formal street plantings. Refined foliage emerges purple and matures to green with purple tinted margins that linger into the summer months. Fall color is bright and long lasting.

**Nyssa sylvatica**

**Afterburner® Tupelo**

- **Zone:** 5
- **Height:** 35’
- **Spread:** 20’
- **Shape:** Broadly pyramidal to rounded
- **Foliage:** Dark green, glossy
- **Fall Color:** Bright red
- **Fruit:** Seedless

**Persian Spire™ Parrotia**

Discovered by plantsman Mike Hayman in southern Indiana, Red Rage® features deep green, high gloss summer foliage that resists leaf spot, then turns bright red with the onset of fall weather.
**Parrotia persica 'Inge's Ruby Vase'**  
**Ruby Vase® Parrotia**  
**Zone:** 5  
**Height:** 28'  
**Spread:** 16'  
**Shape:** Upright narrow vase shaped  
**Foliage:** Dark green; red new growth  
**Fall Color:** Orange-red  
**Flower:** Showy red stamens  

Upright and narrower than the species, this cultivar features dark green summer foliage that begins the season with red tipped new growth and finishes with bright fall color. The upright form makes it suitable for street use.

**Parrotia persica 'Vanessa'**  
**Vanessa Persian Parrotia**  
**Zone:** 5  
**Height:** 28'  
**Spread:** 14'  
**Shape:** Upright, tightly vase shaped  
**Foliage:** Green, textured  
**Fall Color:** Orange-red  
**Flower:** Showy red stamens  

Tighter, with greater density, and more upright than the species, Vanessa is a better choice for smaller landscapes or for use near streets. Fall color varies from orange to red and is always impressive.

**Phellodendron amurense ‘His Majesty’**  
**His Majesty™ Cork Tree**  
**Zone:** 3  
**Height:** 40'  
**Spread:** 35'  
**Shape:** Broadly vase shaped  
**Foliage:** Medium green  
**Fall Color:** Yellow  
**Fruit:** Generally seedless  

Fast growing, upright spreading and hardy, this seedless selection features a better branching habit than the species. Introduced by Harold Pellett of the University of Minnesota, this cultivar appears to be a hybrid of *P. sachalinense* and *P. amurense*.

**Pinus nigra ‘Arnold Sentinel’**  
**Arnold Sentinel Pine**  
**Zone:** 4  
**Height:** 25'  
**Spread:** 7'  
**Shape:** Columnar  
**Foliage:** Dark green, dense  

Dark green, densely needled upright branches of this rare selection of Austrian pine form a tight column that serves equally well as a landscape focal point, hedge or windbreak. This easy-care conifer is tolerant of heavy soils and alkalinity as well as heat and drought.

**Pinus strobus ‘Fastigiata’**  
**Fastigiate White Pine**  
**Zone:** 4  
**Height:** 30'  
**Spread:** 10'  
**Shape:** Columnar, fastigiate  
**Foliage:** Bluish green needles  

This narrow, upright tree has long blue-green needles which gives it a softer appearance than other upright conifers.

© J. Frank Schmidt & Son Co.
**Platanus - Planetree**

**Platanus × acerifolia 'Bloodgood'**

**Bloodgood London Planetree**

- **Zone:** 5
- **Height:** 50’
- **Spread:** 40’
- **Shape:** Broadly pyramidal
- **Foliage:** Large, maple like, medium to dark green
- **Fall Color:** Yellow

Reputed to be more resistant to anthracnose than the species. The naturally shedding bark creates a dappled brown and cream pattern that accentuates sunlight filtering through the foliage. This is a popular tree for malls, parks and shopping centers.

**Platanus × acerifolia 'Columbia'**

**Columbia Planetree**

- **Zone:** 6
- **Height:** 50’
- **Spread:** 40’
- **Shape:** Broadly pyramidal to rounded
- **Foliage:** Medium green
- **Fall Color:** Yellow-brown

Selected and introduced by the U.S. National Arboretum for high resistance to anthracnose, it seems to be resistant on the East Coast, but not on the West Coast. It has attractive, deeply cut leaves similar to *Platanus orientalis*.

**Platanus × acerifolia 'Morton Circle'**

**Exclamation™ Planetree**

- **Zone:** 5
- **Height:** 55’
- **Spread:** 35’
- **Shape:** Upright pyramidal
- **Foliage:** Medium green
- **Fall Color:** Yellowish

A strong central leader and upright pyramidal shape make this tree easy to grow in the nursery. A carefree performer on city streets, it is urban tolerant, anthracnose resistant, and moderately resistant to powdery mildew.

**Platanus × acerifolia 'Yarwood'**

**Yarwood Planetree**

- **Zone:** 6
- **Height:** 50’
- **Spread:** 40’
- **Shape:** Broadly pyramidal to rounded
- **Foliage:** Extremely large, light green
- **Fall Color:** Yellow-brown

Selected by the University of California at Berkeley for very high resistance to powdery mildew. Fast growing, it appears to have fairly good resistance to anthracnose in California.

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**Pistacia - Chinese Pistache**

**Pistacia chinensis**

**Chinese Pistache**

- **Zone:** 6
- **Height:** 30’
- **Spread:** 30’
- **Shape:** Rounded
- **Foliage:** Dark green, pinnately compound
- **Fall Color:** Orange-red

An excellent tree for hot dry climates, it thrives from California through Oklahoma. It provides bright red fall color in climates where autumn tints are rare.

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© J. Frank Schmidt & Son Co.
Populus – Aspen

**Mountain Sentinel® Aspen**

*Populus tremuloides ‘JFS-Column’*

- **Zone:** 3
- **Height:** 35’
- **Spread:** 8’
- **Shape:** Narrow, fastigiate
- **Foliage:** Green, trembles in breeze
- **Fruit:** Seedless
- **Fall Color:** Yellow

Our native aspen is now available in fastigiate form! Extremely narrow and upright, with ascending branches, it has the same silvery-gray bark, fluttering leaves, and golden yellow fall color, but in a much narrower form.

**Prairie Gold® Aspen**

*Populus tremuloides ‘NE-Arb’*

- **Zone:** 4
- **Height:** 40’
- **Spread:** 15’
- **Shape:** Narrow oval to pyramidal
- **Foliage:** Light green, trembling in breeze
- **Fall Color:** Golden yellow

Adapted to the heat, drought and humidity of the Midwestern prairie, this Nebraska native brings lowland adaptability and disease tolerance to a high elevation favorite. Introduced by Schmidt in cooperation with the Nebraska Statewide Arboretum, Prairie Gold® greatly expands the planting range of this mountain species.

**Quaking Aspen**

*Populus tremuloides*

- **Zone:** 3
- **Height:** 30’
- **Spread:** 15’
- **Shape:** Narrow oval to pyramidal
- **Foliage:** Green, trembles in breeze
- **Fall Color:** Yellow

Native throughout much of the West, the beauty of aspen groves is well known. The sight of autumn’s golden leaves trembling over silvery gray bark is not forgotten.

**Swedish Columnar Aspen**

*Populus tremula ‘Erecta’*

- **Zone:** 2
- **Height:** 40’
- **Spread:** 10’
- **Shape:** Very narrow, fastigiate
- **Foliage:** Green, trembles in breeze

Rustling leaves make the same pleasant sound as Quaking Aspen. This upright and very narrow tree is well adapted to cold climates. Seedless, it is a good substitute for Lombardy Poplar.

Bring home the trembling leaves and golden fall color of the high country! Unique resistance to heat, drought and humidity recommends this native selection for lower elevation landscapes.

**Populus deltoides 'Siouxland'**  
**Siouxland Poplar**

- **Zone:** 2  
- **Height:** 75'  
- **Spread:** 35'  
- **Shape:** Oval  
- **Foliage:** Medium green  
- **Fall Color:** Yellow  
- **Seed:** None (cottonless)

A very fast growing “Cottonless Cottonwood” with resistance to leaf rust.

**Populus nigra ‘Afghanica’**  
**Theves Poplar**

- **Zone:** 4  
- **Height:** 55'  
- **Spread:** 25'  
- **Shape:** Upright and narrow  
- **Foliage:** Medium green  
- **Fall Color:** Yellow

A very fast growing, narrow, upright tree. It is reported to be more resistant to the canker diseases that trouble Lombardy.

**Populus × canescens ‘Tower’ C.O.P.F.**  
**Tower Poplar**

- **Zone:** 2b  
- **Height:** 50'  
- **Spread:** 14'  
- **Shape:** Narrowly columnar  
- **Foliage:** Medium green  
- **Fall Color:** Yellow

Fast growing, drought tolerant, and very cold hardy, this tightly columnar hybrid (P. alba x P. tremula ‘Erecta’) has improved disease and insect resistance. Excellent for windbreaks and screens, it is urban tolerant, and a good replacement for Lombardy poplar.

**Prunus padus ‘Drietree’**  
**Merlot® Bird Cherry**

- **Zone:** 3  
- **Height:** 30'  
- **Spread:** 18'  
- **Shape:** Upright oval  
- **Foliage:** Leaves emerge green, turn purple in summer  
- **Fall Color:** Red to reddish purple  
- **Flower:** White, in 4” long drooping clusters

Strongly upright with a straight central leader, Merlot® maintains a symmetrical, upright oval shape. Its form makes it easier to manage and its foliage is a deeper purple than similar cultivars.

**Prunus × yedoensis ‘Akebono’**  
**Akebono Cherry**

- **Zone:** 5  
- **Height:** 25'  
- **Spread:** 25'  
- **Shape:** Upright, spreading  
- **Foliage:** Medium green  
- **Fall Color:** Yellowish  
- **Flower:** Delicate pink

Similar to Yoshino in form, but said to mature slightly smaller. Blooms have a stronger tint of pink.

**Prunus virginiana ‘Canada Red’**  
**Canada Red Improved Chokecherry**

- **Zone:** 2  
- **Height:** 25'  
- **Spread:** 20'  
- **Shape:** Upright spreading  
- **Foliage:** Leaves emerge green, turn purple in summer  
- **Fall Color:** Red to reddish purple  
- **Flower:** Small white, in long clusters

A very cold hardy tree, used for its foliage which changes from green in spring to dark purple as the weather warms, then intensifies to reddish in autumn.

**Quaking Aspen**
**Prunus sargentii ‘Columnaris’**

**Columnar Sargent Cherry**

Zone: 4  
Height: 35’  
Spread: 15’  
Shape: Upright, columnar to narrowly vase shaped  
Foliage: Dark green  
Fall Color: Orange to orange-red  
Flower: Single pink, in clusters

A narrow, upright form makes this Sargent Cherry suitable for use as a street tree. It is admired for its beautiful fall color and handsome mahogany colored bark.

**Prunus subhirtella ‘Autumnalis Rosea’**

**Autumn Flowering Cherry**

Zone: 5  
Height: 25’  
Spread: 22’  
Shape: Upright spreading with slender branches  
Foliage: Medium green  
Fall Color: Yellow to bronze  
Flower: Semi-double to double, light pink

Graceful form and an impressive spring floral display make this one of the best weeping trees. Contorted form is an unusual artistic expression of a classic ornamental tree.

**Prunus subhirtella ‘Pendula Plena Rosea’**

**Double Weeping Cherry**

.syn Yae-Shidare-Higan  
Zone: 5  
Height: 25’  
Spread: 25’  
Shape: Weeping  
Foliage: Dark green  
Fall Color: Yellow to bronze  
Flower: Double, pink

Very unusual for its bloom. Flowers are produced in November and again in the spring. In mild climates it will bloom sporadically all winter. It has a delicate branch pattern which adds to its winter interest.

**Prunus serrulata ‘Amanogawa’**

**Amanogawa Cherry**

Zone: 5  
Height: 20’  
Spread: 6’  
Shape: Columnar, fastigate branching  
Foliage: Green  
Fall Color: Bronze  
Flower: Pale pink, semi-double

Very narrow and tightly upright in growth, it forms a column of light pink flowers in the spring.

**Prunus serrulata ‘Kwanzan’**

**Kwanzan Cherry**

Zone: 5  
Height: 30’  
Spread: 20’  
Shape: Stiffly vase shaped  
Foliage: Dark green  
Fall Color: Bronze-orange to orange-red  
Flower: Double, rosy pink in clusters  
Fruit: Seedless

Kwanzan’s large double pink flowers make it the showiest cherry in spring and account for its great popularity.

**Prunus ‘Okame’**

**Okame Cherry**

Zone: 5  
Height: 25’  
Spread: 20’  
Shape: Upright branching, oval  
Foliage: Dark green, fine textured  
Fall Color: Yellow-orange to orange-red  
Flower: Small, clear pink, profuse

Effective floral display of this very early-blooming cultivar is long lasting due to brightly colored flower bud and calyx. A hybrid of *P. incisa* × *P. campanulata*, Okame originated in England and was introduced to the U.S. by Morris Arboretum.

**Prunus sargentii ‘JFS-KW58’**

**Pink Flair® Cherry**

Zone: 3b  
Height: 25’  
Spread: 15’  
Shape: Upright narrow vase  
Foliage: Dark green  
Fall Color: Orange-red  
Flower: Single pink, in clusters

Narrow and upright in form, but compact in height, this flowering cherry is well suited for urban landscapes. It avoids frost damage by flowering a week or two later than is typical of the species and has proven to be the hardiest of the flowering cherries. Fall color is consistently bright orange-red, and its handsome bark and upright symmetrical provide winter appeal.

**Add flair and multi-season color to your landscape with this compact, heat and cold-resistant, small shade tree. Fragrant bright pink blooms, great foliage and bright orange-red fall color!**

www.PinkFlairCherry.com
**Prunus subhirtella ‘Pisnshzam’**

**Pink Snow Showers™ Cherry**

Zone: 5  
Height: 25'  
Spread: 25'  
Shape: Weeping  
Foliage: Glossy green  
Fall Foliage: Yellow to bronze  
Flower: Pink, single

The deep green foliage of this vigorous growing, pink flowering cherry appears to have better resistance to shot-hole disease than other weeping cultivars. A fragrant cascade of attractive pink flowers rains from its weeping branches like a pastel shower.

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**Prunus serrulata ‘Royal Burgundy’ PP 6520**

**Royal Burgundy Cherry**

Zone: 5  
Height: 20'  
Spread: 15'  
Shape: Broadly vase shaped  
Foliage: Deep purple  
Fall Color: Bronze-purple  
Flower: Double, magenta-pink  
Fruit: Seedless

Royal Burgundy is a purple foliaged form of Kwanzan. Slightly slower growing, its flowers are a darker tint, and its deep purple foliage is unique among cherries.

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**Prunus sargentii**

**Sargent Cherry**

Zone: 4  
Height: 30'  
Spread: 30'  
Shape: Upright, spreading branches, rounded crown  
Foliage: Dark green  
Fall Color: Bronze orange to orange-red  
Flower: Single pink, in clusters

Sargent displays some of the best fall color to be found among the Cherries. It has nice mahogany colored bark and is hardier than other Japanese Cherries.

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**Prunus × ‘Snofozam’**

**Snow Fountains® Cherry**

Zone: 5  
Height: 12'  
Spread: 12'  
Shape: Weeping  
Foliage: Small, dark green leaves  
Fall Color: Golden to orange  
Flower: White

A gracefully weeping, finely branched tree, Snow Fountains® is smaller than other weeping cherries. Its beautiful cascading form is easily pruned to change its character.

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**Prunus x hillieri ‘Spire’**

**Spire Cherry**

Zone: 5  
Height: 30'  
Spread: 10'  
Shape: Columnar to narrowly vase shaped  
Foliage: Dark green  
Fall Color: Orange red  
Flower: Single, pink

An excellent narrow, upright tree, Spire is quite similar to Columnar Sargent. Branching fills in at an earlier age making a better appearing young tree.

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**Prunus × yedoensis**

**Yoshino Cherry**

Zone: 5  
Height: 30'  
Spread: 30'  
Shape: Upright spreading branches, rounded crown  
Foliage: Bright green, glossy  
Fall Color: Yellow  
Flower: Single light pink to white, fragrant

Yoshino is the tree which has been made famous by its blossom display at the Tidal Basin in Washington, D.C.
**Prunus × cistena ‘Schmidtcis’**

### Big Cis® Plum

- **Zone:** 4
- **Height:** 14’
- **Spread:** 12’
- **Shape:** Rounded, dense
- **Foliage:** Purple
- **Flower:** Light pink, very fragrant

A sport of Cistena, Big Cis® Plum grows quickly to a heavy-trunked, sturdy tree that is intermediate in size between Cistena and Newport. Cistena-like flowers are followed by dark purple foliage that keeps its fresh, clean appearance later in the season.

**Prunus × cistena**

### Cistena Plum

- **Zone:** 3
- **Height:** 8’
- **Spread:** 8’
- **Shape:** Rounded shrub
- **Foliage:** Purple-red
- **Fall Color:** Reddish
- **Flower:** Very light pink, fragrant

This extremely hardy large shrub is very fragrant in bloom. Cistena holds its purple color all through the summer.

**Prunus cerasifera ‘Cripoizam’**

### Crimson Pointe™ Plum

- **Zone:** 4
- **Height:** 25’
- **Spread:** 10’
- **Shape:** Columnar to narrow oval
- **Foliage:** Purple red to purple bronze
- **Fall Color:** Reddish
- **Flower:** Pink buds, white flowers
- **Fruit:** Purple, 1”

Pink buds open to white flowers that contrast nicely with the emerging purple foliage. This columnar selection develops a narrowly oval mature canopy. A strong central leader and a fast growth rate make it easy to produce in the nursery.

**Prunus cerasifera ‘Frankthrees’**

### Mt. St. Helens® Plum

- **Zone:** 4
- **Height:** 20’
- **Spread:** 20’
- **Shape:** Upright spreading, rounded
- **Foliage:** Purple
- **Flower:** Light pink

Dark purple leaves emerge earlier in the spring and hold their rich color longer into summer than other cultivars. A sport of Newport, this cultivar grows faster and develops a dense head supported by a stronger, sturdier trunk. This very hardy ornamental plum performs well where climates are extreme.

**Prunus cerasifera ‘Thundercloud’**

### Thundercloud Plum

- **Zone:** 5
- **Height:** 20’
- **Spread:** 20’
- **Shape:** Upright spreading, dense, rounded
- **Foliage:** Dark purple
- **Flower:** Light pink

One of the best purple-leaved plums, it retains deep purple foliage color through the growing season. It has maintained steady popularity since its introduction in 1937.

**Prunus ‘Newport’**

### Newport Plum

- **Zone:** 3
- **Height:** 20’
- **Spread:** 20’
- **Shape:** Upright spreading, broadly oval to rounded
- **Foliage:** Purple-red
- **Fall Color:** Reddish
- **Flower:** Light pink

This hardy and widely used plum is quite adaptable and performs well in tough climates.

**Prunus cerasifera ‘Krauter Vesuvius’**

### Krauter Vesuvius Plum

- **Zone:** 5
- **Height:** 20’
- **Spread:** 15’
- **Shape:** Upright
- **Foliage:** Dark purple
- **Flower:** Light pink

Similar to Thundercloud in appearance, but a little smaller and more upright. Due to its tolerance of hot dry weather, it seems to be the best flowering plum for southern climates.

**Prunus ‘Krauter Vesuvius’**

### Krauter Vesuvius Plum

- **Zone:** 5
- **Height:** 20’
- **Spread:** 15’
- **Shape:** Upright
- **Foliage:** Dark purple
- **Flower:** Light pink

One of the best purple-leaved plums, it retains deep purple foliage color through the growing season. It has maintained steady popularity since its introduction in 1937.
**Pyrus**

**Flowering Pear**

**Pyrus calleryana 'Aristocrat'**

**Aristocrat® Pear**

Zone: 4b  
Height: 40’  
Spread: 28’  
Shape: Pyramidal, with open, spreading branches  
Foliage: Narrow, dark green, glossy  
Fall Color: Deep red  
Flower: White

An outstanding pear selection with an unusual growth habit, Aristocrat® has an open, informal appearance. Branch angles are wider than other pears, thus more resistant to storm damage. Highly rated by the Ohio Shade Tree Evaluation Project.

**Pyrus calleryana ‘Autumn Blaze’**

**Autumn Blaze Pear**

Zone: 4  
Height: 30’  
Spread: 25’  
Shape: Rounded  
Foliage: Glossy green  
Fall Color: Bright red  
Flower: White

Rounded shape with spreading branches. Foliage emerges with a red tint and matures to glossy green. Best cold hardiness of the Callery pears, and the earliest to develop fall color.

**Pyrus calleryana ‘Capital’**

**Capital Pear**

Zone: 5  
Height: 35’  
Spread: 12’  
Shape: Columnar  
Foliage: Medium green, glossy  
Fall Color: Reddish-purple  
Flower: White

Columnar form introduced by U.S. National Arboretum. It has especially glossy summer foliage.

**Pyrus calleryana ‘Jaczam’**

**Jack® Pear**

Zone: 4  
Height: 16’  
Spread: 10’  
Shape: Compact, upright oval  
Foliage: Dark green  
Fall Color: Yellow  
Flower: White

Tight and upright in form, this cultivar is ideal for narrow streets and planting beneath utility wires. Its dwarf growth rate results in a cultivar that matures at less than half the size typical of the species. Its density and upright habit give the unusual combination of a formal appearance in a low maintenance tree.

**Pyrus ‘NCPX1’**

**Javelin™ Pear**

Zone: 5  
Height: 35’  
Spread: 10’  
Shape: Fastigiate, tightly columnar  
Foliage: Purple to bronze green  
Fall Color: Purple to maroon  
Flower: Pink buds open to white flowers

The tightest and most columnar pear we have seen, it stays narrow as it matures. Unique foliage leaves out purple, and matures to bronze green in the heat of summer. Developed at North Carolina State University, this fireblight resistant pear is a great addition as a landscape exclamation point or for use on narrow streets.

**Pyrus fauriei ‘Westwood’**

**Korean Sun™ Pear**

Zone: 4  
Height: 12’  
Spread: 15’  
Shape: Compact, rounded  
Foliage: Medium green, fine textured  
Fall Color: Red to purple red  
Flower: White

Excellent fall color and compact size are key attributes of this selection. Although definitely a dwarf, this cultivar grows faster with better nursery characteristics than the parent species. Much hardier than P. calleryana, it also has a smaller, more rounded and shrub-like head.

**DISEASE RESISTANCE:** Fireblight

A densely growing, narrow selection suitable for street plantings. It is resistant to fireblight and much less susceptible to wind breakage than Bradford.
**Pyrus calleryana ‘Holmford’**

**New Bradford® Pear**

- **Zone:** 5
- **Height:** 35’
- **Spread:** 30’
- **Shape:** Broadly oval to rounded
- **Foliage:** Green, glossy
- **Fall Color:** Yellow to orange-red
- **Flower:** White

This cultivar is similar in appearance to the well known Bradford, but it seems to be less susceptible to storm damage.

**Pyrus ussuriensis ‘MorDak’**

**Prairie Gem® Pear**

- **Zone:** 3
- **Height:** 25’
- **Spread:** 25’
- **Shape:** Rounded
- **Foliage:** Dark green
- **Fall Color:** Yellow
- **Flower:** White

**DISEASE RESISTANCE:** Fireblight

This is the hardest ornamental pear cultivar we know of, having been developed at North Dakota State University. Upright and oval when young, it becomes rounded with age.

**Pyrus calleryana ‘Redspire’**

**Redspire Pear**

- **Zone:** 5
- **Height:** 35’
- **Spread:** 25’
- **Shape:** Pyramidal, dense and symmetrical
- **Foliage:** Medium green, glossy
- **Fall Color:** Yellow to red
- **Flower:** Abundant, white

A symmetrical shape and tight branching habit gives this tree a formal appearance. A good improvement over Bradford, as it stays smaller and narrower.

**Pyrus ‘Silver Ball’**

**Silver Ball™ Pear**

- **Zone:** 4
- **Height:** 12’
- **Spread:** 12’
- **Shape:** Compact, rounded dwarf
- **Foliage:** Silver-gray
- **Fall Color:** Yellow-orange
- **Flower:** Small, white

**DISEASE RESISTANCE:** Fireblight

This compact dwarf pear features tiny silvery green leaves that give it a fine textured appearance. An introduction by Harold Pellett and the Landscape Plant Development Center, it’s the most dwarf pear we grow and has shown strong fireblight resistance.

**Pyrus calleryana ‘Trinity’**

**Trinity Pear**

- **Zone:** 5
- **Height:** 30’
- **Spread:** 25’
- **Shape:** Broadly oval to round
- **Foliage:** Glossy green
- **Fall Color:** Orange-red
- **Flower:** White

This is a slightly smaller growing pear with a tight, rounded form.

**Quercus acutissima**

**Sawtooth Oak**

- **Zone:** 5
- **Height:** 40’
- **Spread:** 40’
- **Shape:** Rounded
- **Foliage:** Dark green, glossy
- **Fall Color:** Yellow

A fast growing, spreading oak well adapted to the summer heat of the South. It has outstanding summer foliage. Very glossy and sharply serrated leaves give it a clean, crisp appearance.

**Quercus alba**

**White Oak**

- **Zone:** 4
- **Height:** 45’
- **Spread:** 45’
- **Shape:** Rounded
- **Foliage:** Medium green, fine textured
- **Fall Color:** Red to reddish purple

One of the mightiest of the noble oaks, White Oak is claimed by several states as their official tree. Reputed to be slow-growing, well-grown nursery plants grow fairly quickly once established. Unlike English Oak, this native of Eastern North America is resistant to powdery mildew.
**Quercus bicolor'Bonnie and Mike'
Beacon® Oak**

Zone: 4  
Height: 40’  
Spread: 15’  
Shape: Narrowly columnar  
Foliage: Green  
Fall Color: Yellow  

Tightly columnar and urban adaptable, this oak was discovered by famed plantsman Dr. Michael Dirr. The stout upright branching structure and dense green foliage makes this an ideal street tree and provide a strong visual statement. Nice yellow fall color.

**Quercus × bimundorum 'Midwest'
Prairie Stature™ Oak**

Zone: 3  
Height: 50’  
Spread: 40’  
Shape: Broadly pyramidal  
Foliage: Dark green  
Fall Color: Yellow-orange to red  

A hybrid of English and white oak, this tree has proven very cold hardy in North Dakota State University trials. Dark green foliage shows mildew resistance and can change to a good red coloration in autumn.

**Quercus bicolor'JFS-KW12' PP 23632
American Dream® Oak**

Zone: 4  
Height: 45’  
Spread: 45’  
Shape: Rounded, open  
Foliage: Green with wavy margins  
Fall Color: Yellow brown to reddish  

A beautiful native tree with lustrous, heavy textured green leaves with wavy margins. Adaptability to wet, poorly drained soils and tolerance of drought make it a fine choice for urban settings.

**Quercus buckleyi
Texas Red Oak**

Zone: 6  
Height: 40’  
Spread: 40’  
Shape: Broadly rounded  
Foliage: Green, glossy  
Fall Color: Orange-red to red  

Native to Texas and Oklahoma, this is a moderate sized, drought tolerant oak. It spreads to form a broadly rounded crown and colors brightly in the fall.

**Quercus coccinea
Scarlet Oak**

Zone: 4  
Height: 50’  
Spread: 40’  
Shape: Upright spreading, open, broadly oval  
Foliage: Dark green, glossy  
Fall Color: Red  

Scarlet Oak generally displays the finest fall color of the genus. Autumn brings deep, brilliant shades of red. Low maintenance and tolerant of dry soils and drought.

© J. Frank Schmidt & Son Co.
Quercus ellipsoidalis

**Northern Pin Oak**

- **Zone:** 4
- **Height:** 55’
- **Spread:** 40’
- **Shape:** Broadly pyramidal to oval
- **Foliage:** Green
- **Fall Color:** Red

Closely related to Pin Oak, this tree shares many positive attributes and is also more tolerant of dry and alkaline soils. Also known as Hill’s Oak, its native range is the northern midwest, but it can be used more widely.

Quercus frainetto ‘Schmidt’

**Forest Green® Oak**

- **Zone:** 5b
- **Height:** 50’
- **Spread:** 30’
- **Shape:** Upright, oval
- **Foliage:** Deep green, very glossy, rounded lobes
- **Fall Color:** Yellow to brown

This is an upright growing, vigorous oak with a strong central leader. Drought resistant and adaptable, its glossy deep green foliage and strong symmetrical shape make it one of the best looking trees of summer.

Quercus gambelii

**Gambel Oak**

- **Zone:** 5
- **Height:** 25’
- **Spread:** 25’
- **Shape:** Rounded
- **Foliage:** Dark green
- **Fall Color:** Yellow orange to orange red

Native to the dry, mountainous interior West, from Utah and Colorado to the Mexican border. Drought tolerant and hardy, it is an ideal tree for low maintenance landscapes in its native range.

Quercus imbricaria

**Shingle Oak**

- **Zone:** 5
- **Height:** 50’
- **Spread:** 40’
- **Shape:** Broadly oval
- **Foliage:** Dark green, glossy
- **Fall Color:** Yellowish to rusty red

Native to the midwest and well adapted to conditions there, including calcareous soils. A large shade tree with beautiful summer foliage.

Quercus x macdanielii ‘Clemons’ PP 11431

**Heritage® Oak**

- **Zone:** 4
- **Height:** 50’
- **Spread:** 40’
- **Shape:** Broadly pyramidal to oval
- **Foliage:** Dark green, glossy
- **Fall Color:** Yellow

Handsome dark green foliage, a broadly pyramidal form, and mildew resistance combine to make this an excellent street tree. An English x bur oak hybrid, it has better cold tolerance than English oak.

Quercus macrocarpa

**Bur Oak**

- **Zone:** 3
- **Height:** 55’
- **Spread:** 45’
- **Shape:** Broadly oval, irregular and open
- **Foliage:** Dark green
- **Fall Color:** Yellow to yellow brown

A large and impressive native tree, with a thick trunk and stout branches. Does well in alkaline soils.

Quercus macrocarpa ‘JFS-KW14’

**Cobblestone® Oak**

- **Zone:** 3
- **Height:** 55’
- **Spread:** 45’
- **Shape:** Broadly oval
- **Foliage:** Dark green
- **Fall Color:** Yellow

A traditional form of bur oak with the corkiest bark we have observed in the nursery. With bur oak’s rugged form and unusually corky branches, it has an “ancient tree” look at a young age. The handsome foliage is dark green and the tree was selected for mildew and anthracnose resistance.

Cobblestone® Oak
Quercus robur
English Oak

Zone: 5
Height: 50’
Spread: 40’
Shape: Broad, rounded, open
Foliage: Lustrous dark green
Fall Color: Yellow
Fruit: Small acorns

A durable and adaptable oak with handsome glossy foliage. This native of the Northeast and Midwest has a reputation for performing well in alkaline soil.

Quercus palustris
Pin Oak

Zone: 4
Height: 55’
Spread: 40’
Shape: Pyramidal with slender horizontal branches
Foliage: Green
Fall Color: Rusty orange to red

Pin Oak is a tree with a very distinctive growth habit. The strong central leader is maintained to the top. Branches are long, slender and horizontally layered, giving this large tree an elegant appearance.

Quercus palustris ‘Pringreen’ PP 9093
Green Pillar® Oak

Zone: 4
Height: 50’
Spread: 15’
Shape: Narrowly columnar
Foliage: Dark green
Fall Color: Deep red

Fastigiate branching habit and a very dense, columnar shape make this tree ideal for narrow street plantings. Dark green foliage is moderately glossy and turns deep red in the fall.

Quercus phellos
Willow Oak

Zone: 6
Height: 50’
Spread: 35’
Shape: Pyramidal when young, becoming rounded
Foliage: Medium green, narrow
Fall Color: Yellow to yellow-brown
Fruit: Small acorns

A fast growing oak with unique, slender, “willow-like” leaves. This is a popular and commonly planted shade tree. Widely used as a street and boulevard tree, as well as a shade tree for parks, golf courses, commercial sites and open spaces. Fast growing and one of the easier oaks to transplant due to its fibrous root system.

Quercus muehlenbergii
Chinkapin Oak

Zone: 5
Height: 45’
Spread: 45’
Shape: Rounded, open
Foliage: Lustrous dark green
Fall Color: Yellow to yellow brown

A durable and adaptable oak with handsome glossy foliage. This native of the Northeast and Midwest has a reputation for performing well in alkaline soil.

Quercus phellos
Willow Oak

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Quercus palustris ‘Pringreen’ PP 9093
Green Pillar® Oak

Zone: 4
Height: 50’
Spread: 15’
Shape: Narrowly columnar
Foliage: Dark green
Fall Color: Deep red

Fastigiate branching habit and a very dense, columnar shape make this tree ideal for narrow street plantings. Dark green foliage is moderately glossy and turns deep red in the fall.

Quercus phellos
Willow Oak

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Quercus palustris ‘Pringreen’ PP 9093
Green Pillar® Oak

Zone: 4
Height: 50’
Spread: 15’
Shape: Narrowly columnar
Foliage: Dark green
Fall Color: Deep red

Fastigiate branching habit and a very dense, columnar shape make this tree ideal for narrow street plantings. Dark green foliage is moderately glossy and turns deep red in the fall.
Quercus robur × alba 'Tabor' PP 21382
Forest Knight® Oak
Zone: 4
Height: 50’
Spread: 40’
Shape: Broadly oval
Foliage: Dark green, glossy
Fall Color: Orange-red

Sturdy, symmetrical, and broadly oval, this cultivar develops into an excellent street tree. Good form and strong branching combine with mildew resistant foliage and orange-red fall color.

Quercus robur × alba 'JFS-KW1QX' P.A.F.
Skinny Genes® Oak
Zone: 4
Height: 45’
Spread: 10’
Shape: Columnar, tightly fastigate
Foliage: Dark green, glossy
Fall Color: Yellow to tawny yellow

Columnar and fastigate in form, it is the narrowest yet of the English x White Oak hybrids. The glossy, very dark green summer foliage is mildew resistant and gives a clean summer appearance, then turns yellow in autumn. Selected from second-generation seedlings of a sister of Crimson Spire™.

Quercus robur × alba 'JFS-KW2QX'
Streetspire® Oak
Zone: 4
Height: 45’
Spread: 14’
Shape: Narrow, columnar
Foliage: Dark green
Fall Color: Yellow to rusty red

Dark green leaves of this narrowly columnar tree are mildew resistant. Turning red in autumn, they fall to reveal stiffly upright branches. Similar to Crimson Spire™, but does not hold brown foliage through the winter. Wide crotch angles and short upsweeping branches create a storm resistant structure.

Quercus robur × alba 'Asjes'
Rosehill Oak
Zone: 4
Height: 40’
Spread: 20’
Shape: Narrowly oval
Foliage: Glossy green
Fall Color: Yellow

Glossy, mildew-resistant leaves differ from the dull blue-green foliage of Q. robur, of which Rosehill® Oak appears to be a hybrid. Form is narrowly oval.

Monte Sierchio, Oakville, Ontario
© J. Frank Schmidt & Son Co.
www.SkinnyGenesOak.com
Quercus robur ‘Pyramich’

**Skymaster® Oak**

- **Zone:** 5
- **Height:** 50’
- **Spread:** 25’
- **Shape:** Narrow when young, becoming pyramidal
- **Foliage:** Dark green

A very strong central leader, wide crotch angles, and excellent lateral branch development make this fine English Oak selection well suited for use as a street tree. A Schmidt introduction.

Quercus robur ‘Fastigiata’

**Skyrocket® Oak**

- **Zone:** 5
- **Height:** 45’
- **Spread:** 15’
- **Shape:** Narrow, fastigiate
- **Foliage:** Dark green
- **Fall Color:** Yellow-brown

Skyrocket® provides a uniformly narrow shape, excellent for street plantings. Since its introduction by Schmidt in 1989, this selection has proven to stay tighter in form than the typical fastigiate English Oak.

Quercus rubra

**Red Oak**

- **Zone:** 4
- **Height:** 50’
- **Spread:** 45’
- **Shape:** Rounded
- **Foliage:** Dark green
- **Fall Color:** Red

Red Oak is a large, fast growing, broad headed tree. The large leaves turn from a rich green to deep red in the fall.

Quercus shumardii

**Shumard Oak**

- **Zone:** 5
- **Height:** 50’
- **Spread:** 40’
- **Shape:** Upright spreading, open, broadly oval
- **Foliage:** Dark green
- **Fall Color:** Red

An excellent substitute for Scarlet Oak in the central and S.E. USA. It thrives in moist, acid bottom land soils where poor drainage creates problems for other trees.

Quercus velutina

**Northern Black Oak**

- **Zone:** 4
- **Height:** 50’
- **Spread:** 45’
- **Shape:** Oval to rounded
- **Foliage:** Dark green
- **Fall Color:** Rusty red

Very similar in appearance to Red Oak, differences include its ability to thrive on poor and varied soils. Naturally occurring trees are often found on poor sandy sites or heavy clay hillsides. Deeply furrowed bark on mature trees is nearly black.

Robinia

**Frisia Locust**

- **Zone:** 4
- **Height:** 40’
- **Spread:** 25’
- **Shape:** Oval with upright arching branches
- **Foliage:** Bright yellow
- **Fall Color:** Golden yellow
- **Flower:** White

A tough, drought tolerant tree with bright yellow summer foliage. Compound leaves have an airy appearance and provide filtered shade.

Robinia pseudoacacia ‘Purple Robe’

**Purple Robe Locust**

- **Zone:** 3
- **Height:** 50’
- **Spread:** 32’
- **Shape:** Ascending, outward arching branches, open
- **Foliage:** Purple-tinted new growth ages to bronze-green
- **Fall Color:** Yellowish
- **Flower:** Dark purple
- **Fruit:** Seedless pods

A tough, fast growing tree which is well adapted to hot, dry climates. It is best suited for areas of the West where it provides welcome shade during hot dry summers. Spines are much reduced compared to species.
**Robinia pseudoacacia ‘Pyramidalis’**

**Pyramidal Locust**

Zone: 3  
Height: 40’  
Spread: 15’  
Shape: Upright, columnar  
Foliage: Medium green  
Fall Color: Yellow  
Flower: White, in clusters

Tough tree for poor soils. Spineless nature and Lombardy poplar-like shape suggest this tree for narrow sites where choices are limited because of adverse growing conditions.

**Robinia pseudoacacia ‘Lace Lady’ PP 9771**

**Twisty Baby® Locust**

Zone: 4  
Height: 20’  
Spread: 20’  
Shape: Irregularly spreading, contorted  
Foliage: Green, twisted  
Fall Color: Yellow  
Flower: White, in clusters

This is a dwarf, contorted tree of remarkable appearance. Branches twist and turn at every node; even the foliage twists. Its irregular, artistic form is as interesting in winter as in summer.

**Salix alba ‘Tristis’**

**Golden Weeping Willow**

Zone: 3  
Height: 40’  
Spread: 60’  
Shape: Broadly weeping  
Foliage: Light green  
Fall Color: Yellow

Golden winter stems and graceful habit belie the tough character of this fast growing, tough and widely adapted weeping tree.

**Salix ‘Prairie Cascade’**

**Prairie Cascade Weeping Willow**

Zone: 3  
Height: 30’  
Spread: 40’  
Shape: Weeping  
Foliage: Dark green, very glossy

Selected by the Morden Research station in Manitoba for cold hardiness. It combines a weeping habit, golden stems, and dark green glossy foliage. It has a more upright form in warm climates.

**Salix ‘Scarcezam’**

**Scarlet Curls® Willow**

Zone: 5  
Height: 25’  
Spread: 20’  
Shape: Contorted, rounded  
Foliage: Green, twisted  
Bark: Bright red in winter, golden with age

A wild mix of winter colors and textures, this multi-stem plant features contorted growth with bright red winter twigs that become golden yellow as they gain diameter.

**Salix alba vitellina**

**Golden Willow**

Zone: 3  
Height: 40’  
Spread: 30’  
Shape: Rounded  
Foliage: Very narrow, light green  
Fall Color: Yellow  
Bark: Bright yellow on new growth

Egg yolk yellow stems of Golden Willow glow brightly in the winter landscape. Prune this fast-growing and adaptable tree regularly to encourage bright-colored new growth.

**Sassafras albidum**

**Sassafras**

Zone: 4  
Height: 40’  
Spread: 30’  
Shape: Irregular pyramid  
Foliage: Green, lobed  
Fall Color: Bright red

This widespread eastern U.S. native is ideal for naturalistic landscaping. Both tree form and leaf shape are variable and interesting. A thicket of Sassafras brings a “woody” feel to the landscape.
**Sophora (syn. Styphnolobium)**

**Sophora japonica ‘Halka’**

**Millstone™ Japanese Pagodatree**

- **Zone:** 5
- **Height:** 45’
- **Spread:** 35’
- **Shape:** Broadly oval to round
- **Foliage:** Lustrous dark green
- **Fall Color:** Yellow
- **Flower:** Creamy white, in clusters

Symmetrical and upsweeping branches form a dense rounded crown. Less susceptible to stem canker than the species, its uniform growth habit and distinctive form are additional reasons to choose this cultivar.

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**Sorbus**

**Sorbus aucuparia**

**European Mountain Ash**

- **Zone:** 2
- **Height:** 35’
- **Spread:** 24’
- **Shape:** Upright and oval, becoming rounded
- **Foliage:** Dark green
- **Fall Color:** Rusty orange
- **Flower:** White, in clusters
- **Fruit:** Orange-red

A useful small tree that is particularly beautiful in autumn because of the abundant bright fruit. Schmidt trees are budded with a superior clone insuring uniformity of habit.

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**Sorbus aucuparia**

**Rossica Mountain Ash**

- **Zone:** 3
- **Height:** 30’
- **Spread:** 18’
- **Shape:** Upright, oval
- **Foliage:** Dark green
- **Fall Color:** Rusty orange
- **Flower:** White, in clusters
- **Fruit:** Bright red

A sturdy, stiffly upright tree when young, becoming oval as it matures. Very uniform in shape with bright red fruit in clusters.

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**Sorbus × hybridra**

**Oak-leaf Mountain Ash**

- **Zone:** 3
- **Height:** 30’
- **Spread:** 20’
- **Shape:** Upright with ascending branches, oval head
- **Foliage:** Lobed, divided
- **Fall Color:** Rust
- **Flower:** White, in clusters
- **Fruit:** Red, in clusters

Originating as a hybrid in Scandinavia, this Mountain Ash has an unusual leaf similar to English Oak, but divided to the midrib near the leaf base.

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**Stewartia**

**Stewartia pseudocamellia**

**Japanese Stewartia**

- **Zone:** 6
- **Height:** 30’
- **Spread:** 20’
- **Shape:** Pyramidal to oval
- **Foliage:** Medium to dark green
- **Fall Color:** Orange, red, purple
- **Flower:** White, orange anthers

Camellia-like white flowers up to 2½” in diameter appear on this medium sized tree in July and August. Kaleidoscopic fall color includes red, orange and purple tones. Beautiful cream and tan patches are revealed as its trunk exfoliates with age.
**Styrax**

**Snowbell**

**Styrax japonicus** ‘Fragrant Fountain’ PP 19664

**Fragrant Fountain Snowbell**

Zone: 5  
Height: 8’  
Spread: 6’  
Shape: Weeping  
Foliage: Dark green, fine textured  
Fall Color: Yellowish  
Flower: Pure white, bell shaped

A cascade of fragrant blooms and dark green, glossy leaves smother the delicately weeping branches of this small garden-sized tree. It blooms heavily from a young age, and appears more tolerant of temperature extremes than most seedlings of the species. The leader is easily trained to reach a desired height, from which it weeps gracefully.

**Styrax japonicus** ‘Pink Chimes’

**Pink Chimes Snowbell**

Zone: 5b  
Height: 15’  
Spread: 15’  
Shape: Rounded with spreading branches  
Foliage: Dark green  
Fall Color: Yellowish  
Flower: Pink

Delicate pink bell-shaped flowers cloak this tree as summer begins. Smaller and slower growing than the white flowered cultivars, it has a delicate branch structure that is upright at first, and then spreads horizontally with some branches almost weeping. Outstanding in flower.

**Styrax japonicus** ‘Fragrant Fountain’ PP 19664

**Snow Charm® Snowbell**

Zone: 5  
Height: 20’  
Spread: 20’  
Shape: Rounded  
Foliage: Dark green  
Fall Color: Yellowish  
Flower: Pure white, bell shaped

Reliable and easy to grow, this Schmidt introduction selected from a highly variable species assures a rounded form. Like Snowcone®, it resists twig dieback, but has larger leaves and a broader, more traditional form.

**Styrax japonicus** ‘JFS-D’

**Snowcone® Snowbell**

Zone: 5  
Height: 25’  
Spread: 20’  
Shape: Broadly pyramidal, dense  
Foliage: Dark green, fine textured  
Fall Color: Yellowish  
Flower: Pure white, bell shaped

Fine textured foliage is dense and dark green, combining with symmetrical, upright branches to create a slender tree of great uniformity. It is resistant to twig dieback that is common in seedling grown trees.

**Styrax obassia**

**Fragrant Snowbell**

Zone: 5  
Height: 25’  
Spread: 20’  
Shape: Oval  
Foliage: Dark green  
Fall Color: Yellowish  
Flower: White, fragrant, in chains

Loose chains of fragrant pure white flowers decorate the canopy in late spring. Blooming about two weeks earlier than S. japonicas, its larger, rounded leaves and upright spreading branches give it a bolder texture and a striking winter silhouette.

**Styrax japonicus** ‘Pink Chimes’

**Pink Chimes Snowbell**

Zone: 5b  
Height: 15’  
Spread: 15’  
Shape: Rounded with spreading branches  
Foliage: Dark green  
Fall Color: Yellowish  
Flower: Pink

Delicate pink bell-shaped flowers cloak this tree as summer begins. Smaller and slower growing than the white flowered cultivars, it has a delicate branch structure that is upright at first, and then spreads horizontally with some branches almost weeping. Outstanding in flower.

An inverted icy snow cone treat inspired the name of this superior selection of Japanese Snowbell that flowers at an early age and resists winter twig dieback. Its dense, dark green, refined foliage and symmetrical branch structure form a narrow tree of great uniformity that lends a air of formality to landscapes.

www.SnowconeSnowbell.com
**Syringa**

**Tree Lilac**

*Syringa pekinensis* ‘Zhang Zhiming’

**Beijing Gold® Tree Lilac**

Zone: 5  
Height: 20’  
Spread: 20’  
Shape: Upright spreading  
Foliage: Dark green  
Fall Color: Yellowish  
Flower: Yellow, in clusters

Sprays of yellow flowers borne in June bring a whole new color spectrum to the world of tree lilacs! This is a vigorous selection with upright spreading, arching branches in a species that matures to a small size.

*Syringa pekinensis* ‘Morton’

**China Snow® Tree Lilac**

Zone: 5  
Height: 20’  
Spread: 20’  
Shape: Upright spreading  
Foliage: Dark green  
Fall Color: Yellowish  
Flower: Creamy white clusters

Large sprays of cream-white flowers are borne in June by this small ornamental tree. Amber to orange-brown exfoliating bark extends seasonal interest through the winter months.

*Syringa pekinensis* ‘DTR 124’ PP 8951

**Summer Charm® Tree Lilac**

Zone: 3  
Height: 20’  
Spread: 15’  
Shape: Upright, spreading  
Foliage: Dark green, glossy  
Fall Color: Yellow  
Flower: Creamy white panicles

Finer textured and more relaxed in appearance than Japanese Tree Lilac, it features lustrous foliage and abundant flowers.

*Syringa reticulata* ‘Ivory Silk’

**Ivory Silk® Japanese Tree Lilac**

Zone: 4  
Height: 20’  
Spread: 15’  
Shape: Upright spreading becoming rounded  
Foliage: Dark green  
Flower: Creamy white panicles

Large plumes of small white flowers smother its branches in early summer.

**Taxodium**

**Bald Cypress**

*Taxodium distichum*

**Bald Cypress**

Zone: 5  
Height: 55’  
Spread: 30’  
Shape: Pyramidal  
Foliage: Medium green, deciduous conifer  
Fall Color: Rusty orange

Native to wetlands of the South, bald cypress is also surprisingly tolerant of dry soils and is hardy enough to survive in parts of southern Canada. A deciduous conifer, it has done well in urban street plantings.

*Taxodium distichum* ‘Cascade Falls’ PP 12296

**Cascade Falls Bald Cypress**

Zone: 5  
Height: 10’  
Spread: 12’  
Shape: Weeping  
Foliage: Fine textured, green  
Fall Color: Rusty orange

As its name implies, soft green foliage cascades from gracefully weeping branches. This deciduous conifer grows to the height to which it is staked, then weeps to the ground.
**Taxodium distichum ‘JFS-SGPN’**

**Green Whisper®** Bald Cypress

*Zone*: 5  
*Height*: 55’  
*Spread*: 30’  
*Shape*: Pyramidal  
*Foliage*: Fresh, bright green  
*Fall Color*: Rusty orange

The freshest, softest, brightest green foliage that we have seen in a bald cypress gives this tree an inviting appearance and the appeal of a fluffy green feather pillow. Vigorous growth and upright pyramidal form also make it stand out from seedlings.

**Taxodium distichum ‘Skyward’** PP 22812

**Lindsey’s Skyward™** Bald Cypress

*Zone*: 5  
*Height*: 25’  
*Spread*: 10’  
*Shape*: Upright columnar  
*Foliage*: Green, deciduous needles  
*Fall Color*: Rusty orange

The branch habit is remarkably upright, resulting in a deciduous conifer with a completely unique appearance. Unlike all previous bald cypress cultivars, its branches ascend stiffly and tightly to form a symmetrical column.

**Taxodium distichum ‘Mickelson’**

**Shawnee Brave®** Bald Cypress

*Zone*: 5  
*Height*: 55’  
*Spread*: 20’  
*Shape*: Narrowly pyramidal  
*Foliage*: Green, deciduous needles  
*Fall Color*: Rusty orange

A deciduous conifer which has proven to be widely adaptable to city conditions, it will grow in standing water or in well drained soils.

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**Tilia**

**Linden - Less Common Species**

**Tilia × euchlora**

**Crimean Linden**

*Zone*: 5  
*Height*: 40’  
*Spread*: 35’  
*Shape*: Broadly pyramidal to oval  
*Foliage*: Glossy medium green  
*Fall Color*: Yellow

Exceptionally nice foliage is glossy medium green. Individual leaves turn bright yellow in the fall, giving the tree a mottled look with contrasting bright green and bright yellow leaves scattered throughout. Golden green twigs add winter interest.

**Tilia tomentosa ‘PNI 6051’**

**Green Mountain®** Linden

Royalty $.50  

*Zone*: 5  
*Height*: 45’  
*Spread*: 35’  
*Shape*: Broadly pyramidal  
*Foliage*: Leaves green with silvery-white undersurface  
*Fall Color*: Yellow

Upright, symmetrical growth habit forming a dense canopy. Wind causes a shimmering effect as it ruffles the dark green leaves to reveal the silvery white undersides.

**Tilia tomentosa ‘Sterling’**

**Sterling Linden**

*Zone*: 5  
*Height*: 45’  
*Spread*: 35’  
*Shape*: Broadly pyramidal  
*Foliage*: Leaves green with silver-gray undersurface  
*Fall Color*: Yellow

A vigorous growing tree with a very neat and symmetrical shape. Tomentose leaves make it resistant to Japanese beetle feeding.
Tilia americana

American Linden

This handsome and hardy cultivar of the native American basswood was introduced by McKay Nursery of Wisconsin. It develops a very straight trunk that supports a well-branched, very uniform canopy.

Tilia americana 'Boulevard'

Boulevard Linden

Tall and narrow, this selection of the native American Basswood is very hardy and well suited to street plantings.

Tilia americana 'Continental Appeal'

Continental Appeal™ Linden

Vigorous, upright and easy to grow, this linden comes from stock native to the upper Midwest. Bold white undersides of its large leaves shimmer in the summer sun. It’s a good substitute for green ash in areas where emerald ash borer is present.

Tilia americana 'DTR 123'

Legend® Linden

A strong grower with clean glossy leaves that resist the rust problems of the species. Winter buds and twigs are bright vermillion.

Tilia americana x euchlora 'Redmond'

Redmond Linden

Rapid growth and heavy caliper development at a young age give this sturdy cultivar a head start in the nursery and in the landscape. Large leaves give it a coarser textured appearance as it matures to a pyramidal and symmetrical shape.

Tilia cordata

Littleleaf Linden

This is the narrowest of the Linden cultivars. Small, thick, deep green leaves give it a finer textured, more delicate appearance.

Tilia cordata 'Greenspire'

Greenspire® Linden

Introduced in 1961, this durable cultivar has become the standard of comparison among the Lindens. It has a strong central leader, very uniform branch arrangement and a symmetrical, pyramidal form.

Tilia cordata x mongolica 'Harvest Gold' PP 12232

Harvest Gold Linden

Very hardy and faster growing in the nursery than T. cordata cultivars, this linden sports deep green, glossy foliage through the summer months. Its name is inspired by a mantle of bright golden yellow leaves in autumn.
**Tilia americana**

**Tilia americana 'Baileyi'**

**Shamrock® Linden**

- Zone: 4
- Height: 40’
- Spread: 30’
- Shape: Pyramidal, symmetrical
- Foliage: Dark green
- Fall Color: Yellow

A pyramidal form of linden, similar to Greenspire®, but a little faster growing. It branches more uniformly around the trunk at an earlier age.

**Tilia americana 'Halka' PP 10589**

**Summer Sprite® Linden**

- Zone: 4
- Height: 20’
- Spread: 15’
- Shape: Semi-dwarf, rounded pyramid
- Foliage: Green
- Fall Color: Yellow

Perfect for confined city spaces, this natural semi-dwarf develops a dense and compact form with a rounded to upright oval shape and a sheared appearance.

- **DISEASE TOLERANCE:** Dutch Elm Disease

**Ulmus americana**

**Ulmus americana 'Jefferson'**

**Jefferson Elm**

- Zone: 4
- Height: 70’
- Spread: 50’
- Shape: Vase shaped with arching limbs
- Foliage: Dark green
- Fall Color: Yellow

Deep green foliage and an upright vase shape characterize this National Arboretum – National Park Service joint introduction. Tested and shown to be Dutch Elm Disease tolerant, the impressive original tree grows on the National Mall in Washington, DC.

**DISEASE TOLERANCE:** Dutch Elm Disease

**Ulmus americana 'New Harmony'**

**New Harmony Elm**

- Zone: 4
- Height: 70’
- Spread: 65’
- Shape: Vase shaped with arching limbs
- Foliage: Medium green
- Fall Color: Yellow

Introduced by the U.S. National Arboretum, this tree features the classic vase shape of the American elm along with a high level of disease tolerance. Vigorous growing and slightly narrower than Valley Forge.

**DISEASE TOLERANCE:** Dutch Elm Disease

**Ulmus americana 'Lewis & Clark'**

**Prairie Expedition® Elm**

- Zone: 2b
- Height: 55’
- Spread: 60’
- Shape: Broad, rounded to spreading vase
- Foliage: Dark green
- Fall Color: Yellow

Extremely cold hardy, this Plains-tough American native descends from a lone survivor of Dutch Elm Disease found near Fargo, ND. Fast growth of the broad spreading, vase shaped canopy delivers quick shade in cold prairies and harsh urban environments.

**DISEASE TOLERANCE:** Dutch Elm Disease

**Ulmus americana 'Princeton'**

**Princeton Elm**

- Zone: 4
- Height: 65’
- Spread: 50’
- Shape: Upright vase shaped
- Foliage: Dark green
- Fall Color: Yellow

Originally selected in 1922 by William Flemer for its dense symmetrical upright form and dark green foliage, it has since proven to be one of the best American Elms for resisting the attack of Dutch Elm Disease.

**DISEASE TOLERANCE:** Dutch Elm Disease

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**Own Root American Elm**

As disease resistant elm cultivars become more available in the nursery trade, be sure yours are grown on their own roots or on disease resistant rootstocks! Asian hybrids will retain their disease resistance whether propagated “own root,” or budded or grafted onto *U. pumila* or *U. parvifolia* rootstocks. Because American elm cultivars are not compatible with these rootstocks, they are sometimes budded or grafted onto American elm rootstock, an unacceptable practice that negates their disease resistance. ‘Own root’ propagation is the only proven way to propagate disease resistant American elms, and the method we use to assure you of healthy trees.
Valley Forge Elm

**Ulmus americana ‘Valley Forge’**

Zone: 4  
Height: 70’  
Spread: 70’  
Shape: Broad vase shaped with arching limbs  
Foliage: Medium green  
Fall Color: Yellow

**DISEASE TOLERANCE:** Dutch Elm Disease

This National Arboretum introduction has tested best for Dutch Elm Disease tolerance, bringing hope for the return of the American elm. Fast growing but a little wild in the nursery, it matures to form a stately vase shaped crown.

---

**Valley Forge Elm**

**Ulmus americana ‘Valley Forge’**

Zone: 4  
Height: 70’  
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Shape: Broad vase shaped with arching limbs  
Foliage: Medium green  
Fall Color: Yellow

**DISEASE TOLERANCE:** Dutch Elm Disease

This National Arboretum introduction has tested best for Dutch Elm Disease tolerance, bringing hope for the return of the American elm. Fast growing but a little wild in the nursery, it matures to form a stately vase shaped crown.

---

**Frontier Elm**

**Ulmus japonica × wilsoniana ‘Morton’**

**Accolade® Elm**

Zone: 4  
Height: 70’  
Spread: 60’  
Shape: Vase shaped with arching limbs  
Foliage: Glossy, dark green  
Fall Color: Yellow

**INSECT RESISTANCE:** elm leaf beetle

**DISEASE TOLERANCE:**

Dutch Elm Disease and phloem necrosis

Arching limbs and a graceful vase shape characterize this outstanding hybrid elm selected and tested at Morton Arboretum. Glossy dark green foliage changes to yellow in the fall and is resistant to elm leaf beetle feeding. Growth habit gives good form in the nursery and an ultimate form like the American Elm.

---

**Commendation™ Elm**

**Ulmus ‘Morton Stalwart’**

**Homestead Elm**

Zone: 5  
Height: 55’  
Spread: 35’  
Shape: Upright arching, narrow oval  
Foliage: Dark green  
Fall Color: Yellow

**DISEASE TOLERANCE:** Dutch Elm Disease and phloem necrosis

This fast growing hybrid Elm was developed by the USDA Nursery Crops Lab. A complex hybrid of *U. pumila*, *U. hollandica*, and *U. carpinifolia*, it is close in form to the American Elm.

---

**Ulmus propinqua ‘JFS-Bieberich’**

**Emerald Sunshine® Elm**

Zone: 5  
Height: 35’  
Spread: 25’  
Shape: Vase shaped  
Foliage: Deep green  
Fall Color: Yellow

**INSECT RESISTANCE:** elm leaf beetle

**DISEASE TOLERANCE:**

Dutch Elm Disease and phloem necrosis

Grown from seed collected in China, this sturdy, upright-growing elm was selected for superior performance on the hot, arid, windswept plains of western Oklahoma. Handsome, deeply corrugated leaves emerge coppery-bronze and mature to glossy green. Insect resistant and tolerant of heat and drought, it is a fast-growing, tough and adaptable shade tree.

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**Ulmus ‘Frontier’**

**Ulmus propinqua ‘JFS-Bieberich’**

**Emerald Sunshine® Elm**

Zone: 5  
Height: 40’  
Spread: 30’  
Shape: Vase shaped to oval  
Foliage: Glossy green  
Fall Color: Burgundy

**DISEASE TOLERANCE:**

Dutch Elm Disease and phloem necrosis

‘Frontier’ features beautiful reddish-purple to burgundy fall color which is particularly long lasting. A U.S. National Arboretum introduction, it is a hybrid of *U. carpinifolia* and *U. parvifolia*.

---

**Ulmus ‘Homestead’**

**Frontier Elm**

Zone: 5  
Height: 55’  
Spread: 35’  
Shape: Upright arching, narrow oval  
Foliage: Dark green  
Fall Color: Yellow

**DISEASE TOLERANCE:** Dutch Elm Disease and phloem necrosis

This fast growing hybrid Elm was developed by the USDA Nursery Crops Lab. A complex hybrid of *U. pumila*, *U. hollandica*, and *U. carpinifolia*, it is close in form to the American Elm.
**Ulmus japonica × pumila ‘New Horizon’ PP 8684**

**New Horizon Elm**

**Zone:** 4  
**Height:** 55’  
**Spread:** 40’  
**Shape:** Upright oval, slightly arching  
**Foliage:** Dark green  
**Fall Color:** Yellow

**DISEASE TOLERANCE:**  
Dutch elm disease and phloem necrosis

This cold tolerant hybrid elm was developed in a disease resistance program at the University of Wisconsin. Easy to grow, straight, and symmetrical in the nursery, it becomes a rugged street tree.

**Ulmus ‘Patriot’**

**Patriot Elm**

**Zone:** 4  
**Height:** 50’  
**Spread:** 40’  
**Shape:** Stiffly upright, narrow vase shape  
**Foliage:** Dark green  
**Fall Color:** Yellow

**DISEASE TOLERANCE:**  
Dutch Elm Disease and phloem necrosis

This National Arboretum introduction features stiffly ascending branches, resulting in a narrower vase shaped crown than most elm cultivars. A complex hybrid derived from *Ulmus wilsoniana*, *U. pumila*, *U. carpinifolia*, and *U. glabra*, its boldly textured foliage is especially dark green.

**Ulmus ‘Pioneer’**

**Pioneer Elm**

**Zone:** 5  
**Height:** 50’  
**Spread:** 50’  
**Shape:** Rounded  
**Foliage:** Dark green  
**Fall Color:** Yellow

**DISEASE TOLERANCE:**  
Dutch Elm Disease and phloem necrosis

Introduced by the USDA Nursery Crops Lab, Pioneer Elm is extremely vigorous and disease resistant. It forms a rounded, spreading crown suitable for parks and campus setting. A hybrid of *U. glabra × U. carpinifolia*.

**Ulmus wilsoniana ‘Prospector’**

**Prospector Elm**

**Zone:** 4b  
**Height:** 40’  
**Spread:** 30’  
**Shape:** Vase shaped  
**Foliage:** Deep green, glossy  
**Fall Color:** Yellow

**INSECT RESISTANCE:** elm leaf beetle  
**DISEASE TOLERANCE:**  
Dutch Elm Disease and phloem necrosis

This cultivar forms a broadly vase shaped crown at an early age, and provides the form and toughness of the American Elm without its problems. This National Arboretum introduction has proven to be widely adaptable to climatic extremes.

**Ulmus ‘Morton Glossy’**

**Triumph™ Elm**

**Zone:** 4  
**Height:** 55’  
**Spread:** 45’  
**Shape:** Upright oval to vase  
**Foliage:** Glossy dark green  
**Fall Color:** Yellow

**DISEASE TOLERANCE:**  
Dutch Elm Disease and phloem necrosis

Remarkably dark green and glossy foliage and a sturdy, symmetrical growth habit distinguish this Morton Arboretum introduction. Hybrid parentage is *Ulmus wilsoniana*, *U. japonica*, and *U. pumila*.
Zelkova serrata ‘Green Vase’

Green Vase® Zelkova

Zone: 5
Height: 45'
Spread: 30'
Shape: Vase shape, with upright arching branches
Foliage: Green
Fall Color: Orange

A vigorous Zelkova selection, producing a taller, more graceful tree than ‘Village Green’. Its finer textured foliage produces dappled shade.

Zelkova serrata ‘Musashino’

Musashino Columnar Zelkova

Zone: 5
Height: 45'
Spread: 15'
Shape: Very narrow upright vase shape
Foliage: Medium green
Fall Color: Yellow

Ideal for narrow street use, tightly upright branches allow good vehicle and pedestrian clearance beneath the delicate green canopy.

Zelkova serrata ‘Village Green’

Village Green™ Zelkova

Zone: 5
Height: 40'
Spread: 40'
Shape: Vase shaped, rounded
Foliage: Deep green
Fall Color: Rusty red

This widely used cultivar is more upright and faster growing than the species. Foliage is very dense, dark green and presents a clean appearance.

Zelkova serrata ‘Schmidtlow’

Wireless® Zelkova

Zone: 5
Height: 24'
Spread: 36'
Shape: Broadly spreading vase
Foliage: Medium green
Fall Color: Red

Selected for its low height and broad spreading shape, this cultivar has an ideal shape for street plantings under utility lines. Its red fall color is a surprising bonus feature.

Zelkova serrata ‘Halka’ PP 5687

Halka Zelkova

Zone: 5
Height: 45'
Spread: 35'
Shape: Upright vase shape
Foliage: Medium green
Fall Color: Yellow to orange

Halka Zelkova has long, gracefully arching branches which make a magnificent canopy. Its form is similar to American Elm. Halka is one of the fastest growing Zelkova cultivars.

Zelkova serrata ‘JFS-KW1’ PP 20996

City Sprite® Zelkova

Zone: 5
Height: 24'
Spread: 18'
Shape: Compact oval to vase shape
Foliage: Bright green, fine textured
Fall Color: Yellow

Compact, dense, and semi-dwarf, this is the perfect little tree for tight urban spaces. Summer foliage appears brighter green than typical Zelkova. Short internodes, fine textured foliage, and a self pruning growth habit promise a low maintenance city tree.

Zelkova serrata ‘JFS-KW1’ PP 20996

City Sprite® Zelkova

Zone: 5
Height: 24'
Spread: 18'
Shape: Compact oval to vase shape
Foliage: Bright green, fine textured
Fall Color: Yellow

Compact, dense, and semi-dwarf, this is the perfect little tree for tight urban spaces. Summer foliage appears brighter green than typical Zelkova. Short internodes, fine textured foliage, and a self pruning growth habit promise a low maintenance city tree.

Zelkova serrata ‘JFS-KW1’ PP 20996

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Zone: 5
Height: 24'
Spread: 18'
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Foliage: Bright green, fine textured
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Zone: 5
Height: 24'
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Shape: Compact oval to vase shape
Foliage: Bright green, fine textured
Fall Color: Yellow

Compact, dense, and semi-dwarf, this is the perfect little tree for tight urban spaces. Summer foliage appears brighter green than typical Zelkova. Short internodes, fine textured foliage, and a self pruning growth habit promise a low maintenance city tree.
Trees worthy of our UtiliTrees™ designation are those best suited for planting in the restricted zone between street and sidewalk and beneath utility lines. All mature at heights that are unlikely to tangle with overhead lines.

Pedestrian-friendly branching is compact or vase-shaped to allow for pruning without destroying the shape of the tree. Disease and pest resistant, these cultivars are tolerant of varied soils, climates and urban growing conditions, and require minimal maintenance.

Landscape architects, urban foresters, utility company arborists and other tree specifiers are invited to use our TreeLocator℠ service to find these trees in their region, grown to landscape size by our customers.

<table>
<thead>
<tr>
<th>Variety</th>
<th>H</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acer buergerianum, Trident Maple</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Acer campestre, Hedge Maple</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Acer ginnola 'Flame', Flame Maple</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Acer griseum, Paperbark Maple</td>
<td>25</td>
<td>20</td>
</tr>
<tr>
<td>Acer platanoides 'Globosa', Globe Norway Maple</td>
<td>15</td>
<td>18</td>
</tr>
<tr>
<td>Acer tataricum, Tatarian Maple</td>
<td>25</td>
<td>20</td>
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<tr>
<td>Acer tataricum 'Patdell', Pattern Perfect® Maple</td>
<td>25</td>
<td>20</td>
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<tr>
<td>Acer tataricum 'JFS-KW2', Rugged Charm® Maple</td>
<td>28</td>
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</tr>
<tr>
<td>Amelanchier x grand., Autumn Brilliance® Serviceberry</td>
<td>20</td>
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<tr>
<td>Amelanchier x grand., Cole's Select Serviceberry</td>
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<tr>
<td>Amelanchier x grand., Princess Diana Serviceberry</td>
<td>19</td>
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<td>Amelanchier x grand., Robin Hill Serviceberry</td>
<td>19</td>
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<tr>
<td>Amelanchier laevis 'JFS-Arb', Spring Flurry® Serviceberry</td>
<td>28</td>
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<tr>
<td>Amelanchier laevis 'Snowcloud', Snowcloud Serviceberry</td>
<td>28</td>
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<tr>
<td>Chionanthus retusus 'Tokyo Tower', Tokyo Tower Fringe Tree</td>
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<td>Crataegus laevigata 'Crimson Cloud', Crimson Cloud Hawthorn</td>
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<td>Crataegus x loavelle, Lavalle Hawthorn</td>
<td>28</td>
<td>20</td>
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<tr>
<td>Crataegus laevigata 'Paul's Scarlet', Paul's Scarlet Hawthorn</td>
<td>22</td>
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</tr>
<tr>
<td>Crataegus x mordenensis 'Snowbird', Snowbird Hawthorn</td>
<td>22</td>
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<td>Crataegus x mordenensis 'Toba', Toba Hawthorn</td>
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<td>Crataegus phoenopyrum, Washington Hawthorn</td>
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<td>Fraxinus excelsior 'Aureaefolia', Golden Desert® Ash</td>
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<td>Halesia carolina, Wedding Bells Silverbell</td>
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<td>Maackia amurenis, Amur Maackia</td>
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<td>Malus 'Adirondack', Adirondack Crabapple</td>
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<td>Malus 'Schmidtcutleaf', Golden Raindrops® Crabapple</td>
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<tr>
<td>Malus 'Jarmin', Marilee® Crabapple</td>
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<td>Malus 'Red Barron', Red Barron Crabapple</td>
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<td>Malus 'Jewelcote', Red Jewel™ Crabapple</td>
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<tr>
<td>Parrotia persica 'LColumnmar', Persian Spire® Parrotia</td>
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<tr>
<td>Parrotia persica 'Inge's Ruby Vase', Ruby Vase® Parrotia</td>
<td>28</td>
<td>16</td>
</tr>
<tr>
<td>Parrotia persica 'Vanessa', Vanessa Persian Parrotia</td>
<td>28</td>
<td>14</td>
</tr>
<tr>
<td>Prunus serrulata 'Amanogawa', Amanogawa Cherry</td>
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<td>6</td>
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<td>Prunus sargentii 'JFS-KW58', Pink Flair® Cherry</td>
<td>25</td>
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<td>Prunus 'Snow Goose', Snow Goose Cherry</td>
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<tr>
<td>Prunus x hillieri, Spire Cherry</td>
<td>30</td>
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<tr>
<td>Prunus x cistena 'Schmidtcis', Big Cis® Plum</td>
<td>14</td>
<td>12</td>
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<td>Prunus cerasifera 'Cripoizam', Crimp Coin Pointe® Plum</td>
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<td>Prunus 'Frankthrees', Mt. St. Helens® Plum</td>
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<td>20</td>
</tr>
<tr>
<td>Prunus 'Newport', Newport Plum</td>
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<td>20</td>
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<td>20</td>
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<tr>
<td>Pyrus calleryana 'Jackzam', Jack® Pear</td>
<td>16</td>
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</tr>
<tr>
<td>Styrax japonicus 'JFS-E', Snow Charm® Snowbell</td>
<td>20</td>
<td>20</td>
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<td>Styrax japonicus 'JFS-D', Snowcone® Snowbell</td>
<td>25</td>
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<td>Syringa pekinensis 'Zhang Zhiming', Beijing Gold® Tree Lilac</td>
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<td>Syringa pekinensis 'Morton', China Snow® Tree Lilac</td>
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<td>Syringa reticulata 'Ivory Silk', Ivory Silk® Japanese Tree Lilac</td>
<td>20</td>
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<td>Syringa pekinensis 'DTR 124', Summer Charm® Tree Lilac</td>
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<td>Taxodium distichum 'Skyward', Lindsey's Skyward™ Bald Cypress</td>
<td>25</td>
<td>10</td>
</tr>
<tr>
<td>Tilia cordata ‘Haiku’, Summer Sprite® Linden</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>Zelkova serrata 'JFS-KW1', City Sprite™ Zelkova</td>
<td>24</td>
<td>18</td>
</tr>
<tr>
<td>Zelkova serrata ‘Schmidtlow’, Wireless® Zelkova</td>
<td>24</td>
<td>36</td>
</tr>
</tbody>
</table>
This map follows the USDA cold hardiness system, which is based on average minimum temperatures in each area and gives a guideline for plant adaptability.

Plant material in our catalog is rated with a USDA zone number, which is correct to the best of our knowledge. Zones can be divided further into “a” or “b”. When used, “a” refers to the colder half of the zone and “b” to the warmer half.

For example, Zone 4a indicates temperatures of -25° to -30° F. However, we cannot be responsible for hardiness since growing conditions, site selection and unusual winter weather will affect winter survival.

Additional cold hardiness zone information and an interactive GIS-based map, searchable by ZIP Code, may be found at: http://jfss.co/USDAZone

Approximate Range of Average Annual Minimum Temperatures for Each Zone:

- **Zone 2**: -50° to -40°
- **Zone 3**: -40° to -30°
- **Zone 4**: -30° to -20°
- **Zone 5**: -20° to -10°
- **Zone 6**: -10° to 0°
- **Zone 7**: 0° to 10°
- **Zone 8**: 10° to 20°
- **Zone 9**: 20° to 30°
- **Zone 10**: 30° to 40°
Acer (Maple) .............................................................. 4
buergerianum (Trident) .............................................. 4
campestris (Hedge) ................................................... 4
ciricinatum (Vine) ..................................................... 4
corem (Amur) ............................................................ 5
ginna (Full Moon) .................................................... 7
japonicum (Japanese) ................................................. 7
miyabei (State Street) ................................................ 7
negundo (Box Elder) ................................................ 7
nigrum (Black) ........................................................... 6
palmatum (Japanese) .................................................. 7
pseudoplatanus (Sycamore) ...................................... 10
pseudosieboldianum (Korean) .................................... 10
rubrum (Red) .............................................................. 11
saccarinum (Silver) ...................................................... 13
saccharum (Sugar) ...................................................... 13
tataricum (Tatarian) .................................................. 16
trunatum ................................................................. 16
Aesculus (Buckeye, Horsechestnut) ........................... 17
Alder – Alnus .............................................................. 17
Alnus (Alder) ............................................................. 17
Amelanchier (Serviceberry) ........................................ 17
Ash – Fraxinus ............................................................ 30
Aspen – Populus ......................................................... 52
Bald Cypress – Taxodium ........................................... 43
Beech – Fagus .............................................................. 29
Betula (Birch) ............................................................. 18
Buckeye – Aesculus ..................................................... 17
Caragana (Siberian Peashrub) .................................. 20
Carpinus (Hornbeam) ................................................ 20
Catalpa ................................................................. 21
Cedar – Cedrus .......................................................... 21
Cedrus (Cedar) .......................................................... 21
Celtis (Hackberry) .................................................... 22
Cercidiphyllum (Katsura Tree) ................................... 22
Cercis (Redbud) ........................................................ 22
Chamaecyparis (Falsecypress) .................................... 23
Cherry, Japanese – Prunus ........................................... 53
Chionanthus (Fringetree) .......................................... 23
Chokecherry – Prunus ................................................. 53
Cladrastis (Yellowwood) ............................................ 23
Cork Tree – Phellodendron ......................................... 48
Corncob (Dogwood) .................................................. 24
Corylus (Turkish Hazel) ............................................. 27
Crabapple – Malus ..................................................... 39
Crataegus (Hawthorn) .............................................. 28
Dawn Redwood – Metasequoia ................................. 48
Dogwood – Cornus .................................................... 24
Elaeagnus (Olives) ...................................................... 29
Elm – Ulmus .............................................................. 70
Eucommia (Hardy Rubber Tree) .................................. 22
Falsecypress – Chamaecyparis .................................... 23
Fagus (Beech) ............................................................ 29
Franklinia (Franklin Tree) ........................................... 30
Fraxinus (Ash) ............................................................. 30
Fringe Tree – Chionanthus .......................................... 23
Ginkgo ................................................................. 32
Gleditsia (Honeylocust) ............................................. 32
Goldenchain – Laburnum ........................................... 36
Goldenrain Tree – Koelreuteria .................................... 36
Gymnocladus (Kentucky Coffee Tree) ....................... 34
Hackberry – Celtis .................................................... 22
Halesia (Silverbell) .................................................... 34
Hamamelis (Witch Hazel) .......................................... 35
Hardy Rubber Tree – Eucomia .................................... 29
Hawthorn – Crataegus ............................................... 28
Heptacodium (Seven-son Flower) ............................... 35
Honeylocust – Gleditsia ............................................. 32
Hophornbeam – Ostrya .............................................. 48
Hornbeam – Carpinus ............................................... 20
Horsechestnut – Aesculus .......................................... 17
Katsura Tree – Cercidiphyllum ................................. 22
Kentucky Coffee Tree – Gymnocladus ......................... 34
Koelreuteria (Goldenrain Tree) .................................. 36
Laburnum (Goldenchain) ........................................... 36
Lilac – Syringa ........................................................... 67
Linden – Tilia ............................................................. 62
Liquidambar (Sweetgum) ........................................... 36
Liriodendron (Tulip Tree) ........................................... 37
Locust – Robinia ....................................................... 63
Maackia ................................................................. 38
Magnolia ................................................................. 38
Malus (Crabapple) ..................................................... 39
Maple – Acer ............................................................. 4
Metasequoia (Dawn Redwood) ................................... 48
Morus (Mulberry) ....................................................... 48
Mountain Ash – Sorbus .............................................. 65
Mulberry – Morus ...................................................... 48
Nyssa (Tupelo) ........................................................... 48
Oak – Quercus ............................................................ 58
Olive – Elaeagnus ...................................................... 29
Ostrya (Hophornbeam) ............................................. 49
Oxydendrum (Sugarbush) .......................................... 49
Pagodtree – Sophora ................................................ 65
Parrotia ............................................................... 49
Pear, Flowering – Pyrus ............................................. 57
Phellodendron (Cork Tree) .......................................... 50
Pine – Pinus ............................................................... 50
Pistacia ................................................................. 51
Planetree – Platanus .................................................... 51
Platanus (Planetree) ................................................... 51
Plum, Purple Leaf – Prunus ......................................... 56
Poplar – Populus ......................................................... 53
Populus (Aspen) ........................................................ 52
Populus (Poplar) ........................................................ 53
Prunus (Cherry, Japanese) .......................................... 53
Prunus (Chokecherry) ............................................... 53
Prunus (Plum, Purple Leaf) ........................................ 56
Pyrus (Pear, Flowering) .............................................. 57
Quercus (Oak) ............................................................ 58
Redbud – Cercis ........................................................ 22
Robinia (Locust) ........................................................ 63
Sassafras ................................................................. 64
Serviceberry – Amelanchier ........................................ 17
Seven-son Flower – Heptacodium ............................... 35
Siberian Peashrub – Caragana .................................. 20
Silverbell – Halesia ..................................................... 34
Snowbell – Styrtax ....................................................... 66
Sophora (Pagodtree) .................................................. 65
Sorbus (Mountain Ash) .............................................. 65
Sourwood – Oxydendrum ........................................... 49
Stewartia ................................................................. 65
Styrax (Snowbell) ....................................................... 66
Sweetgum – Liquidambar .......................................... 36
Syringa (Lilac) ........................................................... 67
Taxodium (Bald Cypress) ........................................... 67
Tilia (Linden) ............................................................. 68
Tulip Tree – Liriodendron ............................................ 37
Tupelo – Nyssa ........................................................... 48
Turkish Hazel – Corylus ............................................. 48
Ulmus (Elm) .............................................................. 70
Willow – Salix ............................................................. 64
Witch Hazel – Hamamelis .......................................... 35
Yellowwood – Cladrastis ............................................. 23
Zelkova ................................................................... 73

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J. Frank Schmidt, Jr. Arboretum

We invite you to see for yourself what sets our nursery apart from the others. We are proud of the wide range of high quality trees we grow, and would like to show them to you. A personalized tour of our fields will help us to serve your plant material needs better than ever.

Remember that the J. Frank Schmidt, Jr. Arboretum is always available for customer use and enjoyment. Established more than 30 years ago, it showcases hundreds of species and cultivars. The show of flower, fruit, foliage and form changes daily throughout the year.

We encourage you to bring your camera and enjoy!
Above, clockwise from top:
Crimson Sunset® Maple | American Dream® Oak | Skinny Genes® Oak
Redpointe® Maple | JFS headquarters, surrounding farms and Mt. Hood

Front Cover, left to right:
Royal Raindrops® Crabapple | Armstrong Gold™ Maple
Snowcone® Snowbell | Afterburner® Tupelo | Emerald City® Tulip Tree

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