

**2023
•
2024**



J. FRANK
SCHMIDT
& SON CO.

**Priceless
Guide**

Bare Root | Container | B&B | Root Bags

Shade, Flowering, Ornamental, Conifer and Fruit Trees

503-663-4128 | Toll-Free 1-800-825-8202 | sales@jfschmidt.com

New Trees

New introductions are the bright *stars* that *spark* delight among tree lovers worldwide. With a nod to wordplay, we thank our new plant development team for searching the *high peaks* and staring into *tranquil sunrises* for inspiration. *Sentinels* Guy Meacham and Jim Donohoe lead the program and guard its integrity, but our quest for new and improved trees is a team effort that involves every employee to some degree. Four of the dozen new offerings are from our breeding and selection program. They represent six decades of developing trees that are not just new – they're better!

New from J. Frank Schmidt & Son Co.



Acer grandidentatum 'JFS KW13AGRA'
High Peaks™ Maple
Page 7



Heptacodium miconioides 'JFS GM1HM'
Stars & Sparks™ Seven-son Flower
Page 41



Acer rubrum 'WW Warren'
Red Sentinel™ Maple
Page 15



Acer henryi 'JFS KW8AH'
Tranquil Sunrise™ Maple
Page 9

Additional New Listings



Aesculus glabra 'JN Select'
Early Glow™ Buckeye Page 20



Cupressus nootkatensis 'Green Arrow'
Green Arrow Alaskan Cedar Page 30



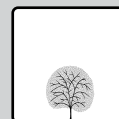
Chamaecyparis obtusa 'Aurea'
Golden Hinoki Cypress Page 30



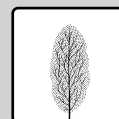
Chamaecyparis obtusa 'Gracilis'
Slender Hinoki Cypress Page 30



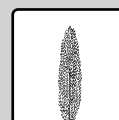
Chitalpa tashkentensis
National Arboretum Chitalpa Page 30



Hydrangea paniculata 'Renba' PP 28509
Berry White® Hydrangea Page 42



Parrotia persica 'Chrishaven1' PP 28584
Golden BellTower™ Parrotia Page 54



Picea abies 'Cupressina'
Columnar Norway Spruce Page 55



Greetings Friends,

As we present this new catalog and price guide, we're closing the books on a successful growing, harvest and shipping season, and looking forward to another good year. Thanks to widespread recognition of the many benefits of trees, the demand for trees continues to rise - at home and abroad. In fact, trees are deemed so important that we sold and shipped a container of bare root trees to war-torn Ukraine.

Closer to home, we're thankful for our many customers who put your faith in our trees. Post-covid, it's been great to get back on the road. Touring your nurseries and visiting with you at the trade shows are key to providing you with the best in trees and service.

When you visit our nursery, you'll see that we're working hard to diversify our product lines and offer you more of the trees that will contribute to your success and profitability. Our container division, now under the direction of Sam Barkley, Jr., is brimming with new products, new species and cultivars, and retail-ready trees. We've increased our production of fruit trees, conifers, and shade trees. Our longtime outreach to specifiers helps us offer more of the trees that landscape architects and urban foresters are requesting in their efforts to plan and plant for more diverse, resilient urban forests.

To meet the demand for trees that fit today's scaled-down urban planting sites, we're increasing our offerings of columnar trees such as the remarkable Red Sentinel™ Maple. Stars & Sparks™ Seven-son Flower is a street-tough addition to our UtiliTrees® collection and an example of our growing lineup of heat and drought tolerant trees. Stay tuned to our efforts to help your company grow by bookmarking our new website and following our social media channels.

On behalf of the Schmidt family and our family of employees, thank you for your business and support. As always, we strive to provide you with the best quality trees the industry has to offer.

Sincerely,

A handwritten signature in black ink, appearing to be 'BR' or similar initials, written in a cursive style.

Ben Rough
Chief Executive Officer

Phone 503-663-4128 } Toll-Free 1-800-825-8202

www.jfschmidt.com
talk-to-us@jfschmidt.com

2 Our Management Team

Our management team blends varied knowledge and skill sets in guiding and supporting our year-round work force of approximately 370 employees. The leaders pictured here have served a collective 335 years at JFS. Our field workers account for hundreds of additional years of work experience at our nursery. Together, we tend to the countless details of sales, production, marketing, communications, human resources, finance, shipping and customer service and are here to serve you.



Ben Rough
Chief Executive Officer



Carol Dennison
Executive Administrative Assistant



Rich Bailey
Sales Manager



Eric Henrichs
Production Manager



Raymond Kerr
Controller



Guy Meacham
New Plant Development Manager



Pam Evans
Human Resources Manager



Jeff Lafrenz
Marketing Director



Nancy Buley
Communications Director



Stephanie Rustan
Credit Manager



Sam Doane
Production Horticulturist



Pedro Torres
People and Culture Manager



Andy McReynolds
Production/Inventory Coordinator



Martin Hanni
Northwest Shade Trees Manager



Sam Barkley, Jr.
Cottrell Farm Manager



Aaron Caldwell
Hood Acres Farm Manager



Peyton Farrish
Barlow/Sunset Farm Manager



Al Herzog
Shipping Coordinator



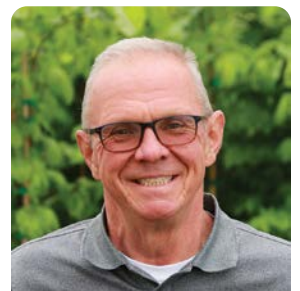
Jim Donohoe
New Plant Development Specialist



Andrew Abate
High Forest Farm Manager



Tereso Guardado
Milton Farm Manager



Kris Wright
Greenhouse Manager

Knowledgeable, friendly, personalized customer service is anchored by our Oregon inside sales staff. They work closely with our field representatives to provide you with service tailored to your local market needs. Our team is positioned to advise you on cultivar choices, planting and cultural techniques. They are prepared to share sales and marketing advice, green industry trends and other information that will help your business succeed and thrive.



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North Carolina, South Carolina, Virginia

The Schmidt Family

Our Diamond Anniversary celebrated in 2021 marked the passing of the baton from second to third generation leaders of the nursery. J. Frank Schmidt III, Jan Schmidt Barkley and Jean Schmidt Webster are enjoying active retirements while continuing to advise via our Board of Directors. Frank serves as Chairman of the Board, while Jan chairs the Frank & Evelyn Schmidt Family Charitable Foundation.

Three of Frank and Evelyn's grandsons help to steer the nursery into the future via Board membership: John Schmidt,

Gordy Webster and Sam Barkley, who also manages our Cottrell Farm container division. The board includes four independent advisors who assist our experienced management team in sustainably pursuing the family's principles and long-term objectives of growing the finest trees in the business. Working together with a dedicated family of employees, we continue to uphold Frank and Evelyn's vision of growing beautiful, durable, fairly-priced trees for generations to come.



Guidelines for Ordering

Placing Orders

Bare Root, B&B, Root Bag and Container orders are booked separately. Discount schedules unique to each product line are listed on page 87. Bare root trees must be ordered in bundled quantities as shown.

Your regional sales representative will be pleased to assist you in placing your orders. You may also contact our customer service department.

For best availability of stock, customers are urged to place orders nine months prior to shipping. Prompt placement of orders is especially important for newer cultivars and other high-demand items.

Minimum Orders

Plant material cannot be booked unless the minimum order requirements listed below are met.

\$1,500 minimum for trees to be picked up at the nursery.

\$3,250 minimum for shipments to be arranged by JFS via common carrier.

These minimums may be a combination of all product types.

Prices stated are F.O.B, Boring, Oregon.

Bare Root Bundled Quantities

Size	No./Bundle
Branched	
2 ft. - 6 ft.	10
1" - 1¼"	5
1½"	3
1¾" - Up	2
Whips	
12" - 10'	10
Multi-Stem	
12" - 3'	5
4' - Up	3
Top-Graft/Specialty	
All grades	5

Shipping

Bare root, B&B and root bag trees are available only for spring shipping, as noted in the Terms of Business Transactions on Page 86. Container material may be shipped year-round.

By request, our transportation department will assist you in coordinating shipping of full and partial loads aboard temperature-controlled trucks provided by common carriers. In most cases, freight charges will come directly from the logistics company and are separate from nursery stock invoices.

Customers may arrange shipping via their own trucks or by contracted carriers. Our transportation department must be given at least five (5) business days' notice before customer-arranged trucks arrive for pickup.

Order Changes

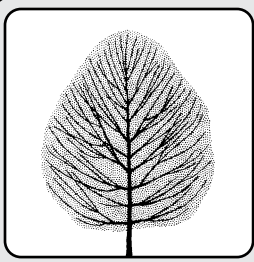
Changes to orders are welcome if made in a timely manner. Advance notice of five (5) business days prior to loading is required for JFS or customer-arranged trucks. Advance notice of at least three (3) business days is required for local order pickup.

Payment

Payment in advance of shipments is required unless credit is established. We accept Visa®, MasterCard® and Discover® or Online ACH Payment.

For additional terms of business transactions and shipping information, please see page 86.

Tree Drawings and Size Ratings



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 catalog 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 American Standard for Nursery Stock. Approved by the American National Standards Institute, Inc. (ANSI) and updated in 2014, the 97-page document is available from AmericanHort® Resources section at <https://www.americanhort.org/nursery-standards>

Acer buergerianum
(Trident Maple)

Acer buergerianum
Trident Maple



Zone: 6
Height: 20'
Spread: 20'
Shape: Round, low and spreading
Foliage: Glossy green, pale underside
Fall Color: Red, orange

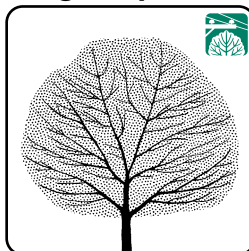
Container
3VL VigorLiner®



Trident Maple

Acer campestre
(Hedge Maple)

Acer campestre
Hedge Maple



Zone: 5
Height: 30'
Spread: 30'
Shape: Dense and rounded
Foliage: Dark green, glossy
Fall Color: Yellow

INSECT RESISTANCE: Japanese beetle

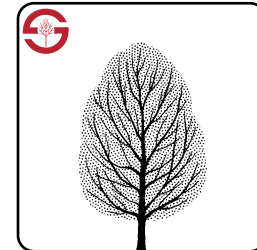
Bare Root
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched



Metro Gold® Maple

Acer campestre 'Panacek'
Metro Gold® Maple

Royalty \$1.25



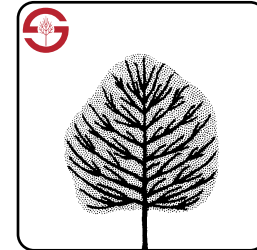
Zone: 5b
Height: 35'
Spread: 20'
Shape: Upright narrow oval
Foliage: Dark green
Fall Color: Bright yellow

INSECT RESISTANCE: Japanese beetle

Bare Root
6 ft., branched
1" cal., branched
Container
#15 1¼" caliper

Acer campestre 'Evelyn'
Queen Elizabeth™ Maple

Royalty \$1.25



Zone: 6
Height: 35'
Spread: 30'
Shape: Upright branching, oval
Foliage: Dark green
Fall Color: Yellow

INSECT RESISTANCE: Japanese beetle

Bare Root
6 ft., branched
1" cal., branched

 **Schmidt Introductions**

Our dedication to improving urban forests includes extensive research and development efforts, plus collaboration with tree breeders around the world. Over the years, J. Frank Schmidt & Son Co. has introduced or co-introduced more than 115 cultivars to the trade, including the renowned Red Sunset® Maple in 1966.

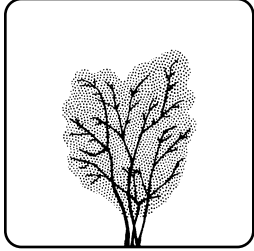
If you have a promising new tree, we invite you to explore our program of testing, evaluation and introduction. Outstanding candidates are co-introduced under a shared royalty agreement.

Schmidt introductions are indicated throughout the catalog by our logo in the upper left hand corner of the Treeform illustration box. You'll find multiple photos and downloadable fact sheets for each tree in the Introductions section of our website.

Learn more about each of our introductions by visiting www.jfss.co/introductions

Acer circinatum (Vine Maple)

Acer circinatum
Vine Maple



Zone: 6
Height: 15'
Spread: 10'
Shape: Multi-stemmed, upright spreading
Foliage: Green
Fall Color: Orange to bright red
Fruit: Red winged samaras

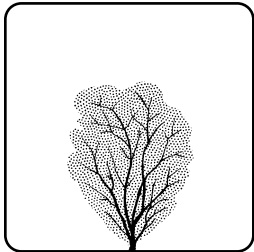
B & B

4 foot, multi-stem
5 foot, multi-stem
6 foot, multi-stem

Container

#10 multi-stem
#20 3 foot, multi-stem
#25 4 foot, multi-stem
#15 6 foot, multi-stem

Acer circinatum 'Pacific Fire'
Pacific Fire Maple



Zone: 6
Height: 12'
Spread: 8'
Shape: Multi-stemmed, upright spreading
Foliage: Medium green
Fall Color: Orange-yellow
Fruit: Red winged samaras

B & B

4 foot, multi-stem
5 foot, multi-stem
6 foot, multi-stem

Container

#15 6 foot, multi-stem
#25 6 foot, multi-stem
#25 7 foot, multi-stem

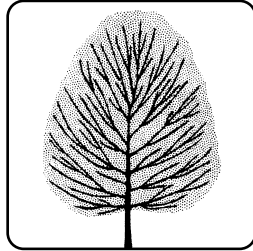


Pacific Fire Maple

Acer freemanii

Acer × freemanii 'Jeffersred'
Autumn Blaze® Maple

Royalty \$1.00



Zone: 3
Height: 50'
Spread: 40'
Shape: Upright branching, broadly oval
Foliage: Medium green
Fall Color: Brilliant orange-red, long lasting

Bare Root

5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched (1 year)
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
2" cal., branched
3 foot, multi-stem
4 foot, multi-stem
5 foot, multi-stem

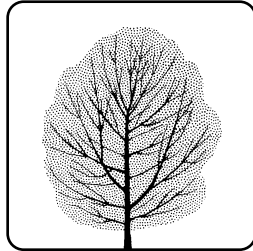
Container

#3
#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#3 multi-stem

Acer × freemanii 'DTR 102'

Autumn Fantasy® Maple

Royalty \$.70



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

Bare Root

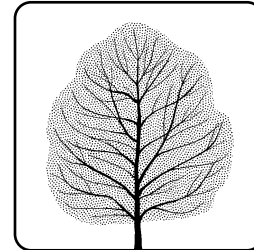
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched



Autumn Blaze® Maple

Acer × freemanii 'Celzam'
Celebration® Maple

Royalty \$.95



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

Bare Root

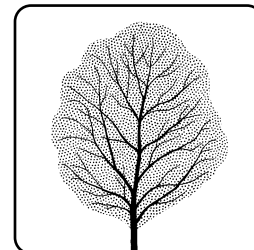
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched

Container

#15 1¼" caliper

Acer × freemanii 'AF#1' PP 15593
Firefall™ Maple

Royalty \$1.25



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

Bare Root

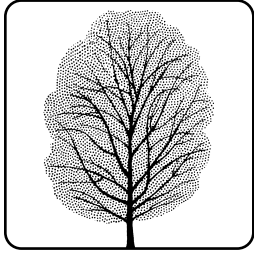
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip

Discount Opportunities

Please note that container and VigorLiner® orders qualify for different discounts than bare root, B & B, and root bag orders. See page 87 for details.

Acer × freemanii 'Marmo'

Marmo Maple



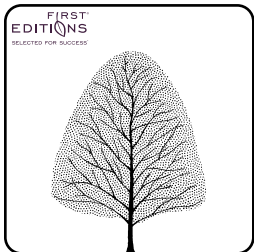
Zone: 3
Height: 55'
Spread: 45'
Shape: Upright, oval
Foliage: Medium green
Fall Color: Orange to orange-red

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched

Acer × freemanii 'Bailston'

Matador™ Maple – First Editions®

Royalty \$1.40



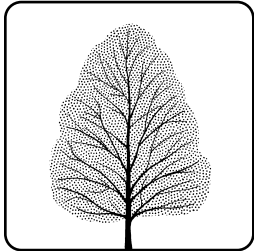
Zone: 4
Height: 45'
Spread: 35'
Shape: Upright, oval
Foliage: Green
Fall Color: Bright red

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
1" cal., branched
1¼" cal., branched

Acer × freemanii 'Sienna'

Sienna Glen® Maple

Royalty \$1.00



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

Bare Root
7 ft., whip
8 ft., whip
9 ft., whip

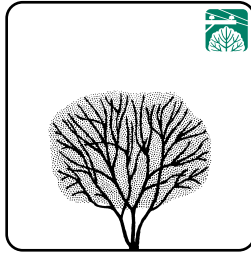


Ruby Slippers Maple

***Acer ginnala* (Amur Maple)**

Acer ginnala 'Flame'

Flame Maple



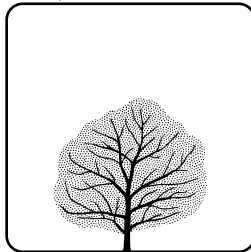
Zone: 2
Height: 20'
Spread: 20'
Shape: Low branched or multi-stemmed tree, rounded
Foliage: Medium green, fine texture
Fall Color: Brilliant orange-red to deep red

Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
3 foot, multi-stem
4 foot, multi-stem
5 foot, multi-stem
6 foot, multi-stem
7 foot, multi-stem

Container
#5 5 foot
#10 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#5 clump
#5 multi-stem
#7 multi-stem
#10 multi-stem
#20 7 foot, multi-stem

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

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

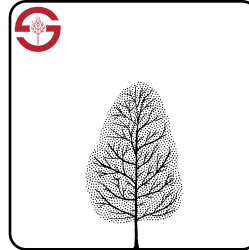
Container
#7 6 foot
#10 1" caliper
#15 1¼" caliper

***Acer grandidentatum* (Bigtooth Maple)**

Acer grandidentatum 'JFS KW13AGRA'

High Peaks™ Maple

Royalty: \$2.75



Zone: 4
Height: 25'
Spread: 18'
Shape: Upright oval
Foliage: Dark green
Fall Color: Orange-red to red

This upright, relatively narrow selection of Bigtooth Maple was selected as the best performer among saplings grown from seed collected in the Manzano Mountains of New Mexico. Dense branching and tighter growth habit make it a better choice for urban landscapes than typical Bigtooth maples. Dark green summer foliage turns bright orange-red to red in autumn.

Bare Root
6 ft., branched
1" cal., branched
1¼" cal., branched

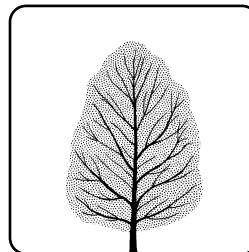


High Peaks™ Maple

Acer grandidentatum × *saccharum* 'Hipzam'

Highland Park® Maple

Royalty \$.95



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

Bare Root
6 ft., branched
1" cal., branched
1¼" cal., branched

Container
#25 2" caliper

Acer grandidentatum 'JFS-NuMex 3' PP 27930

Mesa Glow® Maple

Royalty \$2.00



Zone: 4
Height: 28'
Spread: 18'
Shape: Upright oval
Foliage: Dark green
Fall Color: Orange red to red

Bare Root

5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container

#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#25 2" caliper

Acer grandidentatum 'Schmidt'

Rocky Mountain Glow® Maple

Royalty \$1.50



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

Bare Root

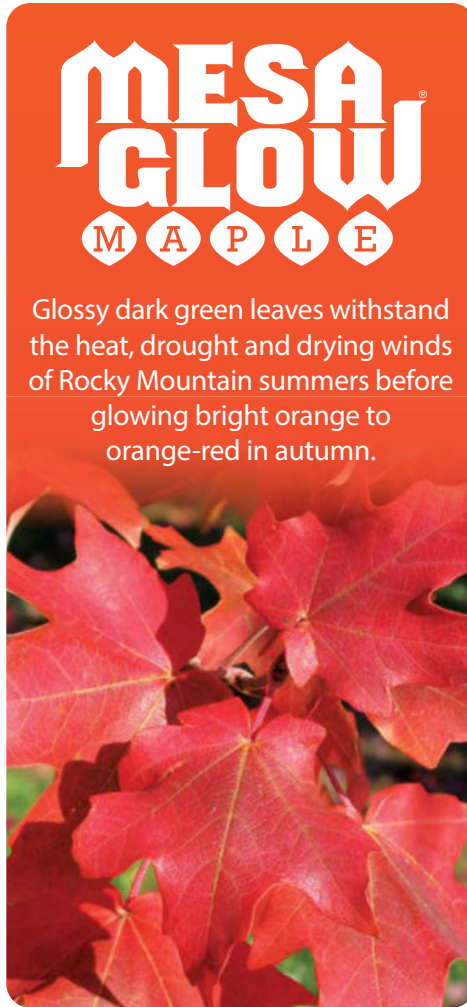
5 ft., whip
6 ft., whip
7 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Container

#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper



Rocky Mountain Glow® Maple



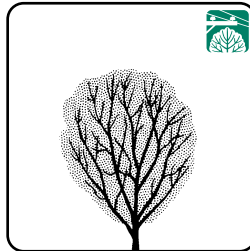
Glossy dark green leaves withstand the heat, drought and drying winds of Rocky Mountain summers before glowing bright orange to orange-red in autumn.

Acer griseum

(Paperbark Maple)

Acer griseum

Paperbark Maple



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

B & B

1¼" caliper
1½" caliper
1¾" caliper
2" caliper
4 foot, multi-stem
5 foot, multi-stem
6 foot, multi-stem
7 foot, multi-stem

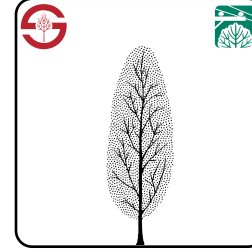
Container

3VL VigorLiner®
#10 6 foot
#10 1" caliper
#15 1¼" caliper
#25 1½" caliper
#25 6 foot, multi-stem

Acer griseum 'JFS KW22AGRI'

Copper Rocket® Paperbark Maple

Royalty \$2.00



Zone: 5
Height: 25'
Spread: 12'
Shape: Narrow columnar
Foliage: Dark green, trifoliate
Fall Color: Brilliant red
Bark: Coppery brown, smooth with exfoliating papery curls

B & B

1" caliper
1¼" caliper
1½" caliper

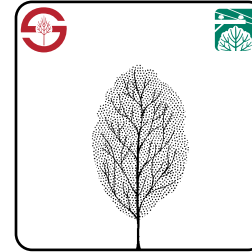
Container

#15 1¼" caliper
#25 1½" caliper
#25 1¾" caliper

Acer griseum 'JFS KW8AGRI'

Fireburst® Paperbark Maple

Royalty \$2.00



Zone: 5
Height: 25'
Spread: 18'
Shape: Upright oval
Foliage: Dark green, trifoliate
Fall Color: Brilliant red
Bark: Reddish-brown, smooth with exfoliating papery curls

B & B

1¼" caliper
1½" caliper

Container

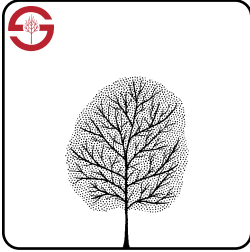
#25 1½" caliper



Copper Rocket® Paperbark Maple

Acer henryi
(Henry Maple)

Acer henryi 'JFS KW8AH'
Tranquil Sunrise™ Maple
Royalty: \$2.75



Zone: 6
Height: 30'
Spread: 25'
Shape: Oval with upright branching
Foliage: Dark green, dark red to crimson new growth
Fall Color: Purple deepening to red-orange

A smaller and more refined relative of Box Elder Maple, this native of China is a handsome garden tree. Upright branch habit and narrow form of our selection make it a fine choice for street tree and urban use. A striking, two-tone effect occurs as claret red new growth flushes above mature, dark green trifoliate leaves. Rich purple fall color deepens to red-orange.

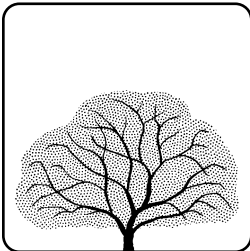
Bare Root
6 ft., branched
1" cal., branched



Tranquil Sunrise™ Maple

Acer japonicum
(Fullmoon Maple)

Acer japonicum 'Ed Wood #2'
Ed Wood Fullmoon Maple



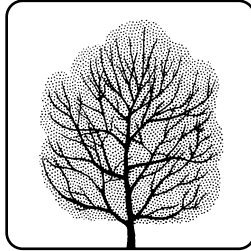
Zone: 5
Height: 20'
Spread: 25'
Shape: Broadly upright spreading
Foliage: Green, large, deeply cut
Fall Color: Orange, yellow, and red

B & B
3 foot, multi-stem
4 foot, multi-stem

Container
#7 multi-stem
#20 3 foot, multi-stem

Acer macrophyllum
(Bigleaf Maple)

Acer macrophyllum
Bigleaf Maple

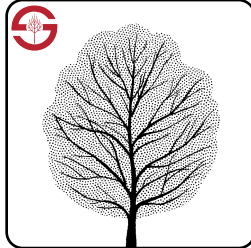


Zone: 6
Height: 60'
Spread: 50'
Shape: Broadly oval to rounded
Foliage: Dark green
Fall Color: Yellow

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip

Acer miyabei

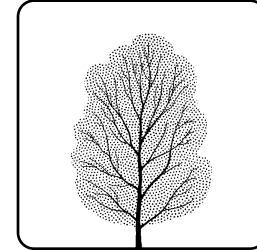
Acer miyabei 'JFS-KW3AMI'
Rugged Ridge® Maple
Royalty \$1.50



Zone: 4
Height: 55'
Spread: 40'
Shape: Upright oval
Foliage: Dark green
Fall Color: Yellow
Bark: Corky, deeply furrowed

Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched

Acer miyabei 'Morton'
State Street® Maple
Royalty \$1.00



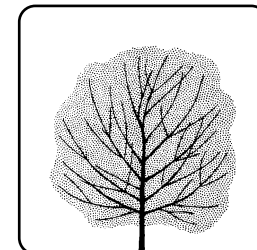
Zone: 4
Height: 50'
Spread: 35'
Shape: Upright oval
Foliage: Dark green
Fall Color: Yellow

Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
2" cal., branched

Container
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper

Acer negundo (Box Elder)

Acer negundo 'Sensation'
Sensation Box Elder



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

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
2" cal., branched

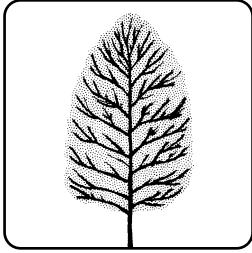
Container
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
32" 2½" caliper



Sensation Box Elder

Acer nigrum (Black Maple)

Acer nigrum 'Greencolumn'
Greencolumn Maple

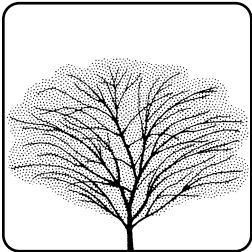


Zone: 4
Height: 50'
Spread: 20'
Shape: Upright, narrow
Foliage: Light green
Fall Color: Yellow to apricot orange, excellent

Bare Root
5 ft., branched
6 ft., branched
1" cal., branched

Acer palmatum
(Japanese Maple)

Acer palmatum
Japanese Maple

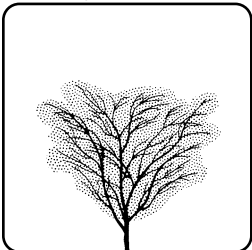


Zone: 5
Height: 20'
Spread: 24'
Shape: Upright, then broadly spreading
Foliage: Green
Fall Color: Yellow-orange to orange-red

B & B
4 foot, multi-stem
5 foot, multi-stem

Container
#15 3 foot, multi-stem
#25 4 foot, multi-stem

Acer palmatum 'Bloodgood'
Bloodgood Japanese Maple



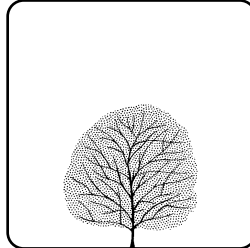
Zone: 5
Height: 18'
Spread: 18'
Shape: Upright, becoming broad topped with age
Foliage: Purple-red
Fall Color: Red

B & B
6 foot
1" caliper
1 1/4" caliper
3 foot, multi-stem
4 foot, multi-stem
5 foot, multi-stem

Container
#25 1 1/4" caliper
#25 1 1/2" caliper
#20 3 foot, multi-stem
#15 4 foot, multi-stem



Acer palmatum 'Emperor I'
Emperor I Japanese Maple

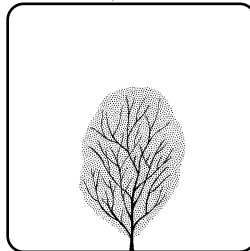


Zone: 5
Height: 18'
Spread: 16'
Shape: Upright, rounded, narrow
Foliage: Dark red
Fall Color: Scarlet red

B & B
3 foot, multi-stem
4 foot, multi-stem

Container
#7 multi-stem
#10 multi-stem
#20 3 foot, multi-stem
#20 4 foot, multi-stem
#20 5 foot, multi-stem

Acer palmatum 'Twombly's Red Sentinel'
Twombly's Red Sentinel Japanese Maple



Zone: 5
Height: 18'
Spread: 9'
Shape: Upright, narrow
Foliage: Burgundy red
Fall Color: Scarlet red

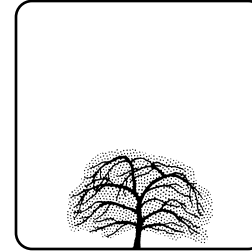
B & B
2 foot, multi-stem
3 foot, multi-stem
4 foot, multi-stem

Container
#20 4 foot, multi-stem



Bloodgood Japanese Maple

Acer palmatum dissectum 'Crimson Queen'
Crimson Queen Japanese Maple

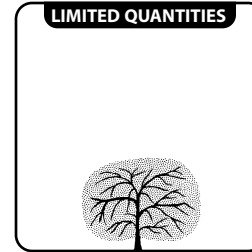


Zone: 5
Height: 6'
Spread: 8'
Shape: Weeping, rounded
Foliage: Laceleaf, deep purple-red
Fall Color: Scarlet

B & B
1" caliper
1 1/4" caliper
1 1/2" caliper
2 foot, low head
30 inch, low head
3 foot, low head

Container
#20 1 1/4" caliper
#25 1 1/2" caliper
#10 low head

Acer palmatum dissectum 'Orangeola'
Orangeola Japanese Maple



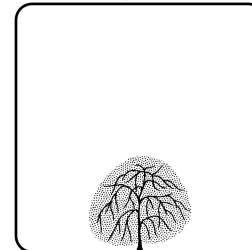
Zone: 5
Height: 8'
Spread: 12'
Shape: Weeping, deeply dissected
Foliage: Laceleaf, bright orange red

B & B
1 1/4" caliper
1 1/2" caliper



Red Dragon Japanese Maple

Acer palmatum dissectum 'Red Dragon'
Red Dragon Japanese Maple



Zone: 5
Height: 6'
Spread: 8'
Shape: Weeping, compact
Foliage: Laceleaf, burgundy red
Fall Color: Scarlet red

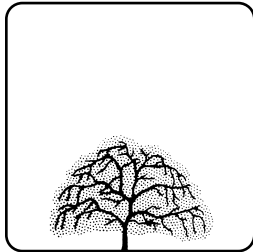
B & B
5 foot
6 foot
1" caliper

Weeping Laceleaf Japanese Maples

Two distinct forms of Weeping Laceleaf Japanese Maples (*Acer palmatum dissectum*) are grown at our nursery. Our practice of staking to approximately three feet in height before allowing the upper branches to cascade to the ground creates classic, low-growing forms that hug the landscape. Designated in the catalog and stock available lists as "low head," they complement the taller forms that we grow.

We create tall forms by developing a central leader that is staked to a height of approximately five feet. From this height, the naturally weeping branches cascade gracefully to the ground. Unless designated as "low head," our weeping laceleaf Japanese Maples are grown in this way. Both forms present unique design options for incorporating these graceful trees into the landscape.

Acer palmatum dissectum 'Tamukeyama' Tamukeyama Japanese Maple



Zone: 5
Height: 8'
Spread: 12'
Shape: Weeping
Foliage: Laceleaf, deep purple-red
Fall Color: Red

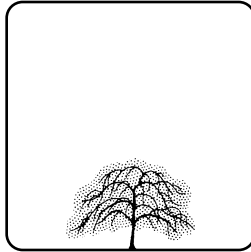
B & B

1" caliper
1 1/4" caliper
1 1/2" caliper
30 inch, low head
3 foot, low head
42 inch, low head

Container

#20 1" caliper
#20 1 1/4" caliper
#20 42 inch, Low Head

Acer palmatum dissectum 'Viridis' Weeping Green Japanese Maple



Zone: 5
Height: 6'
Spread: 8'
Shape: Weeping, mounded
Foliage: Laceleaf, bright green
Fall Color: Golden orange

B & B

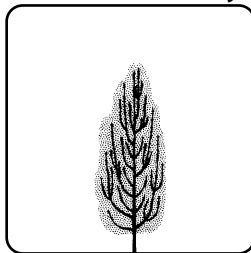
1" caliper
1 1/4" caliper
2 foot, low head
30 inch, low head
3 foot, low head

Container

#10
#20 1 1/4" caliper
#25 1 1/2" caliper

Acer platanoides (Norway Maple)

Acer platanoides 'Columnar' Columnar Norway Maple



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

Bare Root

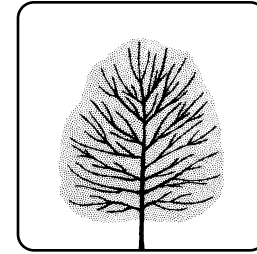
8 ft., whip
9 ft., whip
1" cal., branched
1 1/4" cal., branched
1 1/2" cal., branched
1 3/4" cal., branched

Container

#25 1 1/4" caliper

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

Bare Root

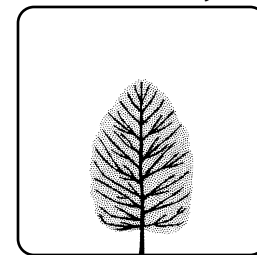
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched
1 1/4" cal., branched
1 1/2" cal., branched
1 3/4" cal., branched

Container

#5 5 foot
#7 6 foot
#10 1" caliper
#15 1 1/4" caliper
#25 1 1/4" caliper

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

Bare Root

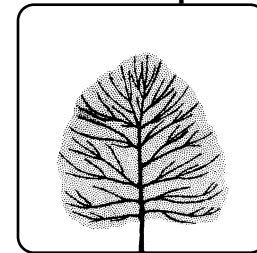
1" cal., branched
1 1/4" cal., branched
1 1/2" cal., branched
1 3/4" cal., branched
2" cal., branched



Tamukeyama Japanese Maple

Acer platanoides 'Deborah'

Deborah Maple



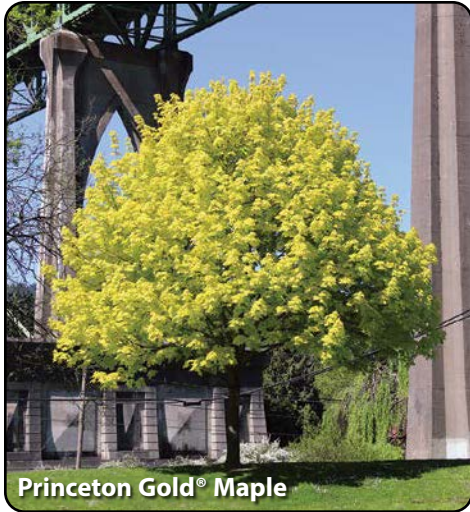
Zone: 3b
Height: 45'
Spread: 40'
Shape: Broadly oval to rounded
Foliage: Reddish-purple in the spring, becoming dark bronze-green in the summer
Fall Color: Bronze

Bare Root

6 ft., branched
1" cal., branched
1 1/4" cal., branched

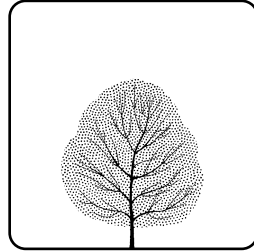
Container

#15 1 1/4" caliper



Acer platanoides 'Princeton Gold'
Princeton Gold® Maple

Royalty \$.75



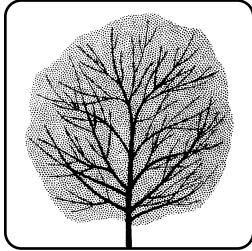
Zone: 4
Height: 35'
Spread: 30'
Shape: Oval
Foliage: Bright yellow
Fall Color: Yellow

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched

Container
#5 5 foot
#7 6 foot
#10 6 foot

Acer platanoides 'Pond'
Emerald Lustre® Maple

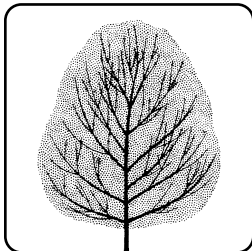
Royalty \$.50



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

Bare Root
6 ft., whip
7 ft., whip
8 ft., whip
1" cal., branched
1¼" cal., branched
1½" cal., branched

Acer platanoides 'Emerald Queen'
Emerald Queen™ Maple

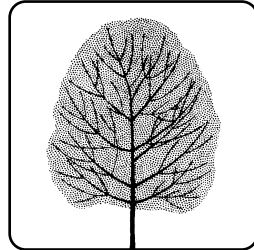


Zone: 4
Height: 50'
Spread: 40'
Shape: Dense oval, with upright spreading branches
Foliage: Deep green, reddish tint in spring
Fall Color: Yellow

Bare Root
6 ft., whip
7 ft., whip
8 ft., whip
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
2" cal., branched

Container
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 2" caliper

Acer platanoides 'Royal Red'
Royal Red Maple

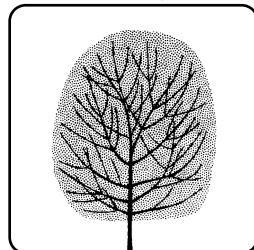


Zone: 4
Height: 40'
Spread: 30'
Shape: Oval when young, becoming rounded
Foliage: Deep purple
Fall Color: Maroon to reddish-bronze

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Container
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper

Acer platanoides 'Drummondii'
Silver Variegated Maple



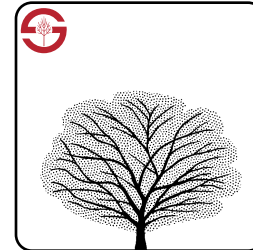
Zone: 4
Height: 35'
Spread: 25'
Shape: Broadly oval
Foliage: Variegated, light green with creamy white margin
Fall Color: Yellow

Bare Root
6 ft., branched
1" cal., branched
1¼" cal., branched

Acer pseudosieboldianum
(Korean Maple)

Acer pseudosieboldianum × *palm*. 'Hasselkus'
Northern Glow® Maple

Royalty \$1.50



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

B & B
4 foot, multi-stem
5 foot, multi-stem

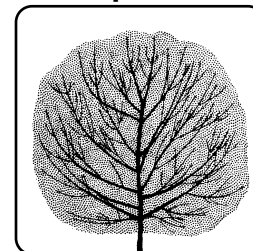
Container
#7
#5 multi-stem
#7 multi-stem
#25 4 foot, multi-stem
#25 5 foot, multi-stem
#20 6 foot, multi-stem



Northern Glow® Maple

Acer rubrum (Red Maple)

Acer rubrum
Red Maple



Zone: 4
Height: 40'
Spread: 40'
Shape: Broadly oval to round
Foliage: Green
Fall Color: Yellow orange to bright red

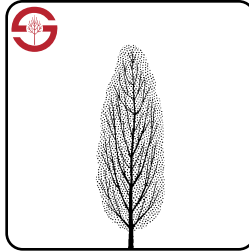
Bare Root
5 ft., whip
6 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Armstrong GOLD



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!

Acer rubrum 'JFS-KW78' PP 25301
Armstrong Gold® Maple
Royalty \$2.00



Zone: 4
Height: 40'
Spread: 12'
Shape: Narrow, tightly fastigate
Foliage: Medium green
Fall Color: Golden to orange

Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
2" cal., branched

Bare Root (low branch)

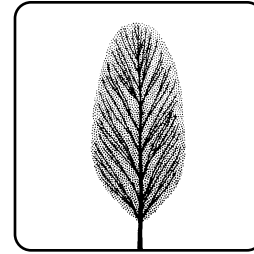
4 ft., whip, low branch
5 ft., whip, low branch
6 ft., whip, low branch
6 ft., low branch
1" cal., low branch
1¼" cal., low branch
1½" cal., low branch
1¾" cal., low branch

Container

#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper

#5 5 foot, low branch
#10 1" caliper, low branch
#15 1¼" caliper, low branch
#20 1½" caliper, low branch
#25 1¾" caliper, low branch

Acer rubrum 'Bowhall'
Bowhall Maple



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

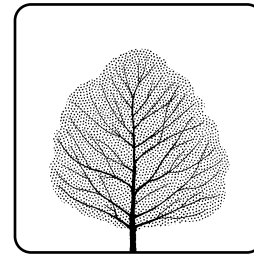
Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container

#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper

Acer rubrum 'Brandywine'
Brandywine Maple



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

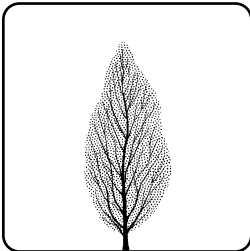
Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched

Container

#5 5 foot

Acer rubrum 'Armstrong'
Armstrong Maple



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

Bare Root

5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
9 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container

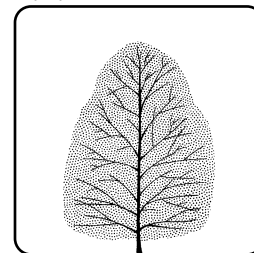
#7 6 foot
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper



Brandywine Maple

Acer rubrum 'Magnificent Magenta'
Burgundy Belle® Maple

Royalty \$.90



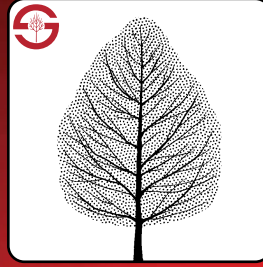
Zone: 5
Height: 45'
Spread: 40'
Shape: Oval to rounded
Foliage: Dark green
Fall Color: Deep burgundy

Bare Root

6 ft., branched
1" cal., branched
1¼" cal., branched

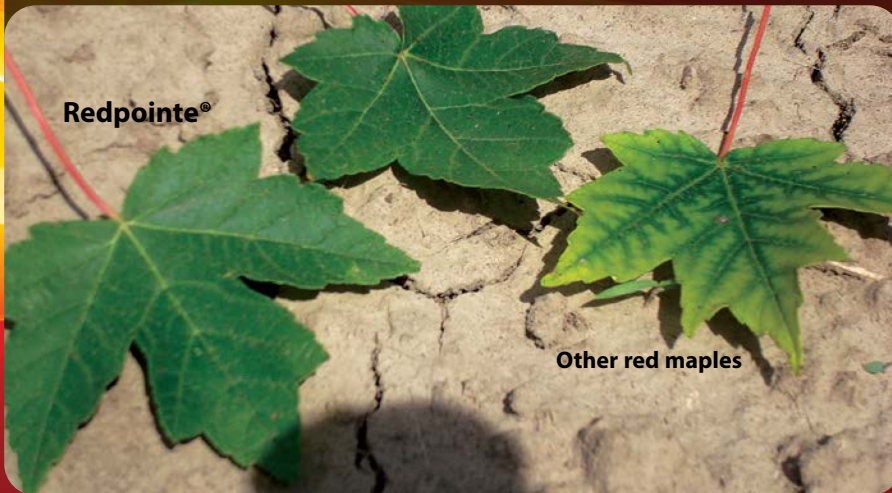
Redpointe[®] Maple

Acer rubrum 'Frank Jr.' PP 16769



Redpointe[®] Maple is growing its way to greatness. Since its introduction in 2006, the striking, broadly pyramidal shade tree has become our best-selling tree, and for good reason. Quickly embraced by our customers as "a grower's tree," its strong central leader and upright, symmetrical and balanced growth habit make it an easy-care tree in the nursery. This mannerly growth habit translates to its being a low maintenance tree in the landscape.

A+ fall color is always delightfully bright, and summer foliage deliciously dark green throughout the growing season, even in hotter regions where other red maples suffer. Tolerance of drought, heat and cold, plus improved pest and disease resistance and tolerance of higher pH soils add up to its being a top seller across the continent.



Redpointe[®]

Other red maples

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched (1 year)
7 ft., branched (1 year)
6 ft., branched
8 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
2" cal., branched
3 foot, multi-stem
4 foot, multi-stem
5 foot, multi-stem

Container
#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 2" caliper
28" 2" caliper

Royalty \$2.00



www.RedpointeMaple.com

Zone: 5 | Height: 45' | Spread: 30'
Shape: Broadly pyramidal | Foliage: Dark green | Fall Color: Bright red

The first six years of growth on the Redpointe[®] Maple in our arboretum.



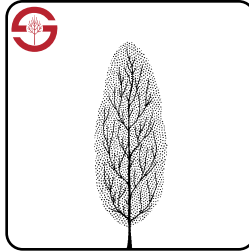
Introducing... Red Sentinel™ Maple

An exciting new variety from our tree development program, Red Sentinel™ Maple makes magic in every season. Green leaves emerge in spring and stay fresh and healthy through the summer months. In autumn, they take fall color to new heights by transforming this stately tree into a dense pillar of fiery red foliage.

Acer rubrum 'WW Warren' Red Sentinel™ Maple

Royalty: \$2.75

**NEW
2024**



Zone: 5
Height: 40'
Spread: 18'
Shape: Narrow, tightly fastigate
Foliage: Medium green
Fall Color: Bright red

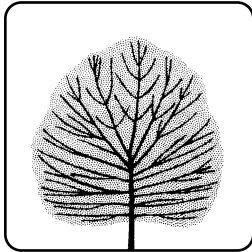
True to its name, Red Sentinel™ presents the best and brightest combination of columnar form and fiery red fall color imaginable. A dominant central leader and dense branching form a narrow column of medium green, anthracnose resistant leaves that cast cool shade. Perfectly suited for street tree plantings, parks and tight urban spaces.

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched

Container
#3

Acer rubrum 'October Glory' October Glory® Maple

Royalty \$.50

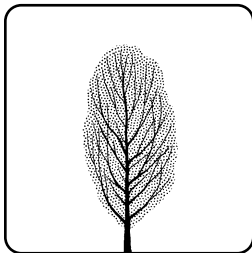


Zone: 5
Height: 40'
Spread: 35'
Shape: Broadly oval to round
Foliage: Medium green, glossy
Fall Color: Deep red to reddish-purple

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched (1 year)
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container
#5 5 foot
#7 6 foot
#15 1¼" caliper
#20 1½" caliper

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

Bare Root
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched

Container
#10 1" caliper
#15 1¼" caliper



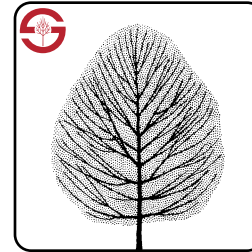
Red Sentinel™ Maple



Sun Valley Maple

Acer rubrum 'Franksred' Red Sunset® Maple

Royalty \$1.00

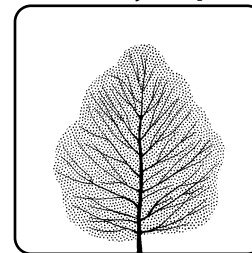


Zone: 4
Height: 45'
Spread: 35'
Shape: Upright branching, oval
Foliage: Dark green, glossy
Fall Color: Brilliant orange-red to red

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched (1 year)
7 ft., branched (1 year)
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Container
#5 5 foot
#7 6 foot
#15 1¼" caliper
#25 1¾" caliper
#25 2" caliper

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

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Container
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#25 1¾" caliper

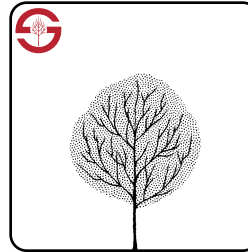


Symatree® Maple

Acer saccharinum 'JFS H1'
Symatree® Maple

Royalty \$2.00

New '22



Zone: 3
Height: 30'
Spread: 20'
Shape: Upright oval
Foliage: Light green, silvery beneath
Fall Color: Bright yellow to burgundy red
Fruit: None observed

A standout seedling, grown from seed collected from a witch's broom, was selected by Dr. William Hoch in Wisconsin for its uniquely compact growth habit and excellent branch structure that forms a remarkably symmetrical, upright oval tree. During more than 20 years of close observation, neither flowers or seeds have appeared on the parent tree.

Bare Root

5 ft., whip

6 ft., whip

7 ft., whip

1" cal., branched

1¼" cal., branched

1½" cal., branched

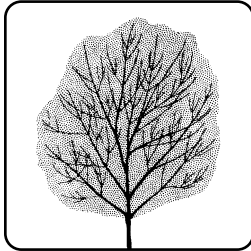
Container

#15 1¼" caliper

#25 1¾" caliper

Acer saccharinum
(Silver Maple)

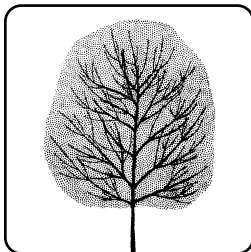
Acer saccharinum
Silver Maple



Zone: 3
Height: 55'
Spread: 45'
Shape: Oval with strong upright spreading branches, becoming vase shaped with age
Foliage: Medium green above, silvery beneath
Fall Color: Yellow

Container
3RP VigorLiner®

Acer saccharinum 'Silver Queen'
Silver Queen Maple



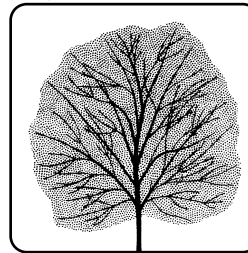
Zone: 3
Height: 50'
Spread: 40'
Shape: Oval with upright spreading branches
Foliage: Medium green above, silvery beneath
Fall Color: Yellow
Fruit: Seedless

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched

Container
#10 1" caliper
#15 1¼" caliper

Acer saccharum
(Sugar Maple)

Acer saccharum
Sugar Maple



Zone: 4
Height: 45'
Spread: 40'
Shape: Upright oval to rounded
Foliage: Medium green
Fall Color: Orange, red and scarlet

Bare Root

5 ft., whip

6 ft., whip

7 ft., whip

5 ft., branched

6 ft., branched

1" cal., branched

1¼" cal., branched

Container

#5 5 foot

#7 6 foot



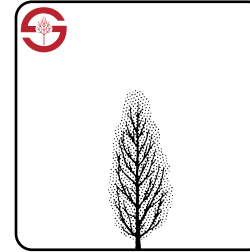
Autumn Fest® Maple



Apollo® Maple

Acer saccharum 'Barrett Cole'
Apollo® Maple

Royalty \$1.50



Zone: 4
Height: 30'
Spread: 10'
Shape: Narrow, columnar
Foliage: Dark green
Fall Color: Yellow-orange to red

INSECT RESISTANCE: Japanese beetle**Bare Root**

4 ft., whip

5 ft., whip

6 ft., whip

6 ft., branched

1" cal., branched

1¼" cal., branched

1½" cal., branched

Container

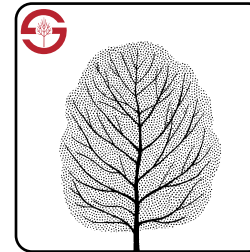
#15 1¼" caliper

#25 1¾" caliper

#25 2" caliper

Acer saccharum 'JFS-KW8' PP 22034
Autumn Fest® Maple

Royalty \$1.50



Zone: 4
Height: 50'
Spread: 35'
Shape: Upright oval
Foliage: Dark green
Fall Color: Orange red to red

Bare Root

5 ft., whip

6 ft., whip

7 ft., whip

6 ft., branched

1" cal., branched

1¼" cal., branched

Container

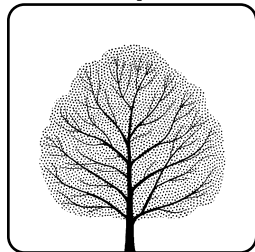
3RP VigorLiner®

#7 6 foot

#15 1¼" caliper

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

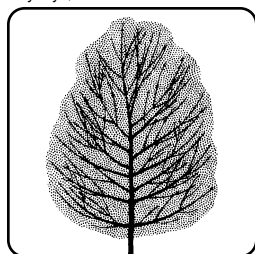
Bare Root

5 ft., whip
6 ft., whip
7 ft., whip
1" cal., branched
1¼" cal., branched

Acer saccharum 'Commemoration'

Commemoration® Maple

Royalty \$.50



Zone: 4
Height: 50'
Spread: 35'
Shape: Oval to rounded
Foliage: Thick, dark green, glossy
Fall Color: Orange to orange-red

Bare Root

5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched

Flashfire® Maple

Dark green, heat resistant leaves cast cool summer shade before turning the brightest red color of any sugar maple adapted to Southern growing conditions.

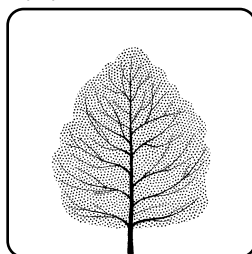
Vigorous growth, open branch angles, a strong central leader and improved mildew resistance recommend it as the best of the cultivars originating from seed collected in the Caddo Mountains of western Oklahoma.



Acer saccharum 'Bailsta'

Fall Fiesta® Maple

Royalty \$1.00



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

INSECT RESISTANCE: Japanese beetle

Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched

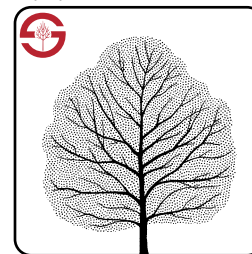
Container

3RP VigorLiner®
#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#25 1¾" caliper

Acer saccharum 'JFS-Caddo2' PP 23361

Flashfire® Maple

Royalty \$1.50



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

Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

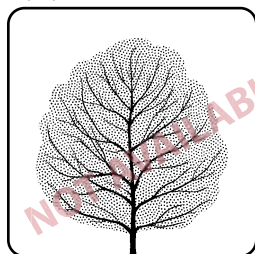
Container

#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#25 2" caliper

Acer saccharum 'Morton'

Crescendo™ Maple

Royalty \$.60

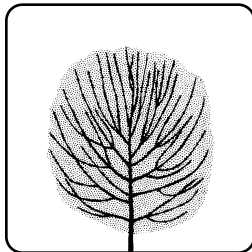


Zone: 4
Height: 45'
Spread: 40'
Shape: Broadly oval
Foliage: Dark green
Fall Color: Orange red to bright red

NOT AVAILABLE 2024

Acer saccharum 'Green Mountain'
Green Mountain® Maple

Royalty \$.50



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

INSECT RESISTANCE: Japanese beetle

Bare Root

5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

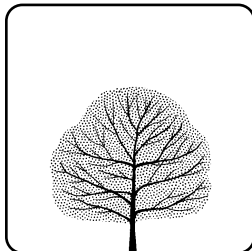
Container

#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#25 1½" caliper
#25 1¾" caliper
#25 2" caliper



John Pair Maple

Acer saccharum 'John Pair'
John Pair Maple



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

Bare Root

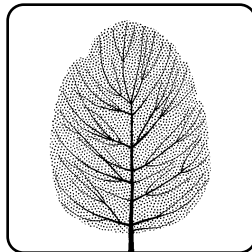
6 ft., branched
1" cal., branched
1¼" cal., branched

Container

#10 6 foot
#10 1" caliper
#15 1¼" caliper

Acer saccharum 'Legacy'
Legacy® Maple

Royalty \$.50



Zone: 5
Height: 50'
Spread: 35'
Shape: Oval
Foliage: Glossy dark green
Fall Color: Reddish-orange to red

INSECT RESISTANCE: Japanese beetle

Bare Root

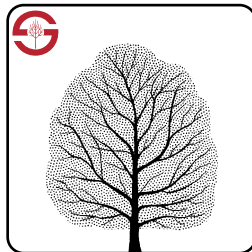
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched

Container

#5 5 foot
#7 6 foot

Acer saccharum 'Hiawatha 1'
Oregon Trail® Maple

Royalty \$1.50



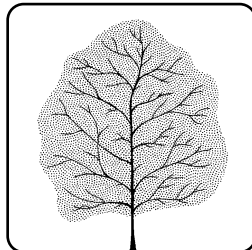
Zone: 5
Height: 45'
Spread: 40'
Shape: Broadly oval to rounded
Foliage: Dark green
Fall Color: Orange red to red

Container

#15 1¼" caliper
#20 1½" caliper

Acer saccharum 'Whit XLIX' PP 23957
Powder Keg® Maple

Royalty \$.75



Zone: 5
Height: 50'
Spread: 40'
Shape: Upright oval becoming rounded
Foliage: Dark green, leathery
Fall Color: Bright orange-red

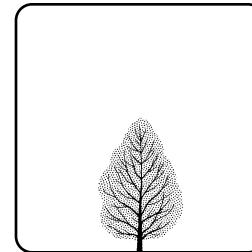
Bare Root

6 ft., branched
1" cal., branched
1¼" cal., branched

Container

#10 1" caliper
#15 1¼" caliper

Acer saccharum 'Sugar Cone'
Sugar Cone Maple



Zone: 4
Height: 25'
Spread: 13'
Shape: Compact dwarf pyramid
Foliage: Dark green
Fall Color: Orange-red

Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
6 ft., branched

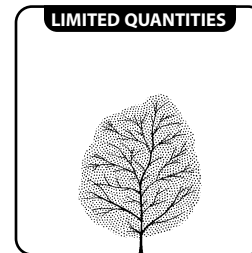
Acer shirasawanum
(Full Moon Maple)

Acer shirasawanum 'Munn 001' PP16718

Moonrise® Full Moon Maple

Royalty \$1.00

New
23



Zone: 5
Height: 18'
Spread: 10'
Shape: Upright oval
Foliage: Orange maturing to lime green
Fall Color: Medley of red, orange, gold, green

Emerging leaves of bright red, orange and salmon overlay the lime yellow to green tones of older leaves throughout spring and well into summer. Lime green if grown in shade and golden yellow in full sun, foliage has good sun tolerance even in hotter climates where many Japanese maples struggle.

Container

#7 multi-stem



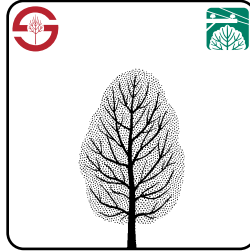
Powder Keg® Maple



Hot Wings® Maple

Acer tataricum 'JFS-KW2'
Rugged Charm® Maple

Royalty \$1.25



Zone: 3
Height: 28'
Spread: 15'
Shape: Compact upright oval
Foliage: Medium green
Fall Color: Yellow-orange to red
Flowers: White clusters in May
Fruit: Attractive red samaras

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched

Container
#5 5 foot
#7 6 foot



Crimson Sunset® Maple

Acer tataricum
(Tatarian Maple)

Acer tataricum

Tatarian Maple



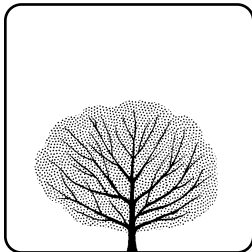
Zone: 3
Height: 25'
Spread: 20'
Shape: Oval to rounded, often low branched
Foliage: Medium green
Fall Color: Yellow to orange-red
Fruit: Attractive red samaras

Bare Root
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched

Acer tataricum 'GarAnn' PP 15023

Hot Wings® Maple

Royalty \$1.09



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

Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
3 foot, multi-stem
4 foot, multi-stem

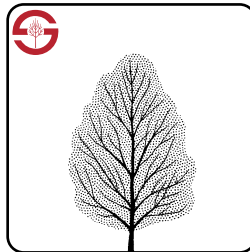
Container
#10 6 foot
#10 1" caliper
#15 1¼" caliper
#10 multi-stem
#5 5 foot, multi-stem

Acer truncatum
(Shantung Maple)

Acer truncatum × *A. plat.* 'JFS-KW202' PP 21838

Crimson Sunset® Maple

Royalty \$2.00



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

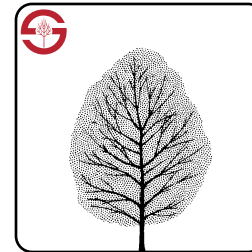
Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
2" cal., branched

Container
#3
#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#25 2" caliper

Acer truncatum × *A. plat.* 'Keithsform'

Norwegian Sunset® Maple

Royalty \$1.50



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

INSECT RESISTANCE: Japanese beetle

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container
#7 6 foot
#25 1¼" caliper



Norwegian Sunset® Maple

**Crimson
Sunset[®]
MAPLE**

**NORWEGIAN
Sunset[®]
MAPLE**

**PACIFIC
Sunset[®]
MAPLE**

**Ruby
Sunset[®]
MAPLE**

**Urban
Sunset[®]
MAPLE**



Acer truncatum × *A. plat.* 'Warrenred'

Pacific Sunset[®] Maple

Royalty \$1.50



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

Bare Root

5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
2" cal., branched

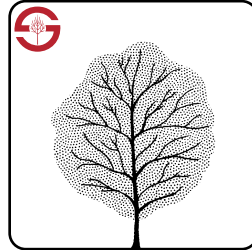
Container

#7 6 foot
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#25 2" caliper

Acer truncatum × *A. plat.* 'JFS-KW249' PP 27985

Ruby Sunset[®] Maple

Royalty \$2.00



Zone: 4b
Height: 25'
Spread: 20'
Shape: Broadly oval to rounded
Foliage: Dark green, glossy
Fall Color: Deep red

Bare Root

6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

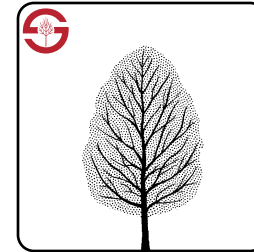
Container

#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#25 2" caliper

Acer truncatum × *A. plat.* 'JFS-KW187' PP 27545

Urban Sunset[®] Maple

Royalty \$2.00



Zone: 5
Height: 35'
Spread: 20'
Shape: Narrow pyramidal to upright oval
Foliage: Dark green, glossy
Fall Color: Deep red

Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
2" cal., branched

Container

#7 6 foot
#15 1¼" caliper
#25 1¾" caliper
#25 2" caliper

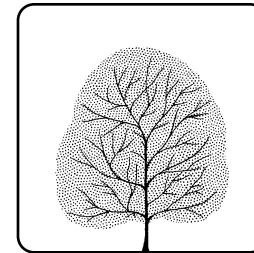
Aesculus (Buckeye)

Aesculus glabra 'JN Select'

Early Glow[™] Buckeye

Royalty: \$1.00

**NEW
2024**



Zone: 3
Height: 35'
Spread: 35'
Shape: Oval, rounded with age
Foliage: Dark green, palmately compound
Fall Color: Orange-red
Flower: Yellow-green, upright stalks
Fruit: Sparse

Yellow green flower stalks perched atop dark green leaves attract hummingbirds and other pollinators. Bright orange-red fall color arrives earlier in autumn than that of the species.

Advantages include an upright growth habit, rounded form and sparse seed production. Clean, healthy foliage resists leaf scorch, leaf blotch and early defoliation that typically affect Ohio buckeyes.

Bare Root

6 ft., whip
7 ft., whip
1¾" cal., branched

Container

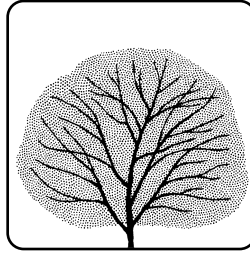
#10 1" caliper



Fort McNair Horsechestnut

Aesculus × carnea 'Briotii'

Briotii Red Horsechestnut



Zone: 4
Height: 30'
Spread: 35'
Shape: Round
Foliage: Dark green, palmately compound
Flower: Red, in 10" long clusters

Bare Root

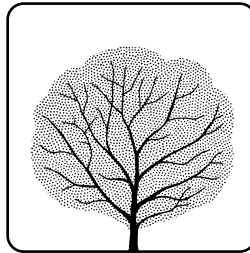
5 ft., whip
6 ft., whip
7 ft., whip
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container

#20 1½" caliper
#25 1¾" caliper

Aesculus × carnea 'Fort McNair'

Fort McNair Horsechestnut



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

Bare Root

6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

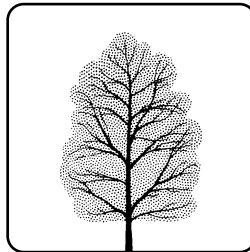
Container

#7 6 foot
#20 1½" caliper
#25 1¾" caliper

Alnus (Alder)

Alnus glutinosa

Black Alder



Zone: 4
Height: 50'
Spread: 30'
Shape: Broadly pyramidal
Foliage: Dark green

Bare Root

4 ft., branched
5 ft., branched
6 ft., branched

Amelanchier (Serviceberry)

Amelanchier alnifolia 'Obelisk'

Standing Ovation™ Serviceberry

Royalty \$0.95



Zone: 3
Height: 15'
Spread: 7'
Shape: Upright, narrow
Foliage: Green, rounded
Fall Color: Orange to red
Flower: White
Fruit: Edible, purple blue, ¾"

New '22

Narrowly upright form of this North American native is a good fit for tight spaces and a good candidate for hedging. A profuse crop of small white flowers may be followed by small, edible, tasty fruits - if the birds don't beat you to it!

Bare Root

2 foot, multi-stem
3 foot, multi-stem

Container

#7
#3 multi-stem

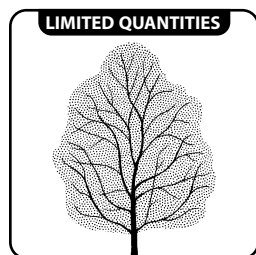


Standing Ovation™ Serviceberry

Aesculus (Horsechestnut)

Aesculus hippocastanum 'Baumannii'

Baumann Double Horsechestnut



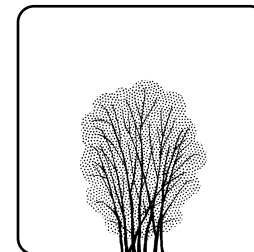
Zone: 4
Height: 50'
Spread: 40'
Shape: Broadly oval
Foliage: Dark green, palmately compound
Fall Color: Yellow
Flower: Large double white upright panicles
Fruit: Seedless

Bare Root

1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Amelanchier canadensis

Shadblow Serviceberry



Zone: 3
Height: 10'
Spread: 6'
Shape: Multi-stemmed shrub
Foliage: Green
Fall Color: Yellow to red
Flower: White, small, in clusters
Fruit: Edible, purplish blue, ¾"

Bare Root

2 foot, multi-stem
3 foot, multi-stem
4 foot, multi-stem

Amelanchier × *grandiflora* 'Autumn Brilliance'
Autumn Brilliance® Serviceberry

Royalty \$.75



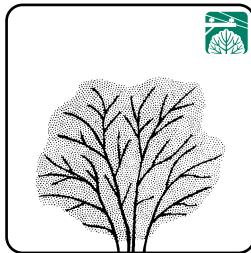
Zone: 4
Height: 20'
Spread: 15'
Shape: Upright, moderately spreading
Foliage: Medium green
Fall Color: Bright red
Flower: White, in clusters
Fruit: Edible, purplish blue, ¼"

Bare Root

3 ft., whip
 4 ft., whip
 5 ft., whip
 6 ft., whip
 4 ft., branched
 5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched
 1¼" cal., branched
 2 foot, multi-stem
 3 foot, multi-stem
 4 foot, multi-stem
 5 foot, multi-stem
 6 foot, multi-stem

Container

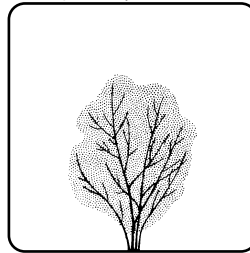
#5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #5 multi-stem
 #7 multi-stem
 #10 multi-stem
 #15 multi-stem
 #20 7 foot, multi-stem

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"

Bare Root

5 ft., branched
 6 ft., branched
 7 ft., branched
 2 foot, multi-stem
 3 foot, multi-stem
 4 foot, multi-stem
 5 foot, multi-stem

**Spring Flurry® Serviceberry***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"

Bare Root

2 foot, multi-stem
 3 foot, multi-stem
 4 foot, multi-stem

Container

#5 multi-stem
 #10 multi-stem

Amelanchier laevis 'Snowcloud'
Snowcloud Serviceberry

Royalty \$.75



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

Bare Root

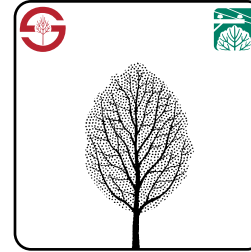
6 ft., branched
 7 ft., branched
 1" cal., branched

Container

#7 6 foot
 #10 1" caliper

Amelanchier laevis 'JFS-Arb' PP 15304
Spring Flurry® Serviceberry

Royalty \$1.50



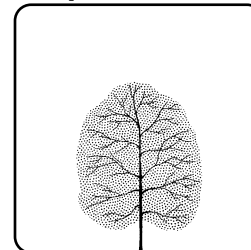
Zone: 4
Height: 28'
Spread: 20'
Shape: Upright oval
Foliage: Medium green
Fall Color: Orange
Flower: White, in clusters
Fruit: Edible, purplish blue, ⅜"

Bare Root

4 ft., whip
 5 ft., whip
 6 ft., whip
 6 ft., branched
 7 ft., branched
 1" cal., branched

Container

#5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper

Asimina (Pawpaw)*Asimina triloba*
Pawpaw

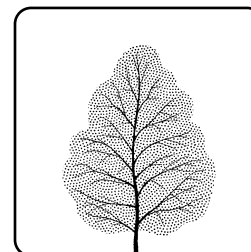
Zone: 5
Height: 25'
Spread: 15'
Shape: Rounded
Foliage: Medium to dark green
Fall Color: Golden yellow
Flower: Maroon, bell-shaped
Fruit: Green, brown when ripe, 2-4" oblong, edible

Container

3VL VigorLiner®

Betula (Birch)*Betula* 'Penci-2'**Royal Frost® Birch**

Royalty \$.25



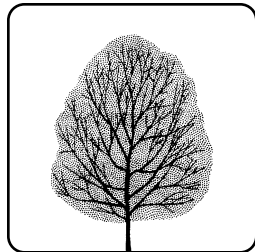
Zone: 4
Height: 40'
Spread: 25'
Shape: Pyramidal
Foliage: Purple-bronze
Fall Color: Yellow-orange to reddish

INSECT RESISTANCE: Japanese beetle**Container**

3RP VigorLiner®
 #5 5 foot
 #7 6 foot
 #10 1" caliper
 #20 1½" caliper

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

Bare Root

- 5 ft., branched
- 6 ft., branched
- 1" cal., branched
- 1 1/4" cal., branched

Container

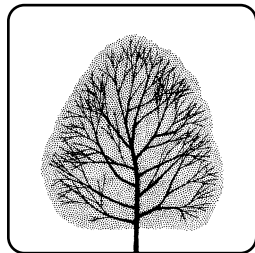
- #10 1" caliper
- #15 1 1/4" caliper
- #20 1 1/2" caliper
- #25 1 3/4" caliper
- #25 2" caliper



Heritage® Birch

Betula nigra

River Birch



Zone: 4
Height: 40'
Spread: 35'
Shape: Broadly pyramidal to rounded
Foliage: Medium to dark green
Fall Color: Yellow to gold

INSECT RESISTANCE:

Bronze birch borer, Japanese beetle

Bare Root

- 5 ft., branched
 - 6 ft., branched
 - 1" cal., branched
 - 1 1/4" cal., branched
- | | | |
|--------------------------------|------|------|
| 2 foot, Singles for Clmp | 4.00 | 3.40 |
| 3 foot, Singles for Clmp | 4.90 | 4.15 |
| 4 foot, Singles for Clmp | 5.90 | 5.00 |

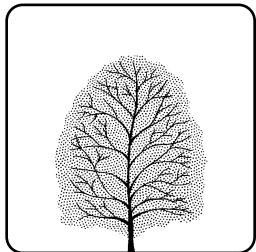
Container

- #5 5 foot
- #7 6 foot
- #15 1 1/4" caliper
- #5 clump
- #7 clump

Betula nigra 'Whit XXV' PP16573

City Slicker® Birch

Royalty \$.75 (Singles for clumping \$.25 each)



Zone: 5
Height: 35'
Spread: 25'
Shape: Broadly pyramidal
Foliage: Glossy dark green
Fall Color: Yellow

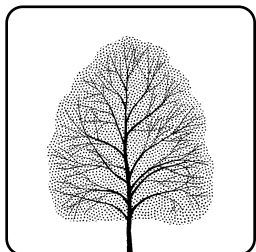
Bare Root

- 4 ft., branched
- 5 ft., branched
- 6 ft., branched

Betula nigra 'Cully'

Heritage® Birch

Royalty \$.75 (Singles for clumping \$.25 each)



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

INSECT RESISTANCE: Bronze birch borer

Bare Root

- 6 ft., whip
 - 7 ft., whip
 - 4 ft., branched
 - 5 ft., branched
 - 6 ft., branched
 - 1" cal., branched
- | | | |
|--------------------------------|------|------|
| 3 foot, Singles for Clmp | 5.80 | 4.95 |
| 4 foot, Singles for Clmp | 7.55 | 6.40 |
| 5 foot, Singles for Clmp | 9.00 | 7.65 |

Container

- #10 1" caliper
- #20 1 1/2" caliper
- #25 1 3/4" caliper
- 3RP VigorLiner®, clump
- #5 clump
- #7 clump
- #10 clump
- #15 6 foot, clump
- #20 8 foot, clump



River Birch

Birch Singles for Clumping

Bare root birch liners designated as 'singles for clumping' are the best choice for growers aiming to develop finished clump-form trees that are vigorous and balanced in relation to the caliper of each stem. Graded by height and caliper, they can be planted in the field or in containers. The reduced royalty* on each stem offers growers an affordable option for creating their own "style" of clump form birches by planting on preferred spacing in combinations of three, four or more. Because each sapling has its own root system and more room to develop, the resulting trees develop trunks of similar or equal caliper and a pleasing, natural-looking balance.



Heritage® Birch Singles for Clumping 4 and 5 foot.



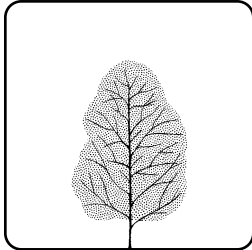
Newly containerized Singles for Clumping

*Liners offered as 'Singles for Clumping' are to be used only for the purpose of growing clump-form trees.

Betula nigra 'Dickinson'

Northern Tribute® Birch

Royalty \$1.00 (Singles for clumping \$.35 each)



Zone: 3
Height: 35'
Spread: 30'
Shape: Upright oval
Foliage: Lustrous dark green
Fall Color: Yellow

INSECT RESISTANCE: Bronze birch borer

Bare Root

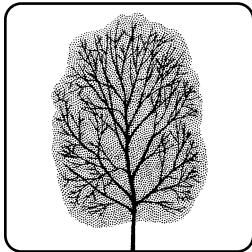
3 foot, Singles for Clmp	6.60	5.60
4 foot, Singles for Clmp	8.55	7.25
5 foot, Singles for Clmp	10.20	8.65
4 ft., branched		
5 ft., branched		
6 ft., branched		

Container

#10 1" caliper
#15 1¼" caliper

Betula papyrifera

Paper Birch



Zone: 3
Height: 50'
Spread: 35'
Shape: Oval
Foliage: Dark green
Fall Color: Yellow

Bare Root

3 foot, Singles for Clmp	5.45	4.65
4 foot, Singles for Clmp	6.75	5.75
5 foot, Singles for Clmp	8.05	6.85

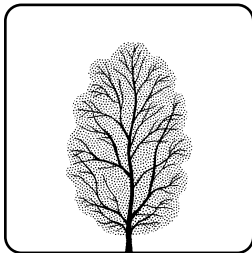
Container

3RP VigorLiner®, clump
#3 clump
#5 clump

Betula papyrifera 'Varen' PP 15768

Prairie Dream® Birch

Royalty \$1.05



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

INSECT RESISTANCE: Bronze birch borer

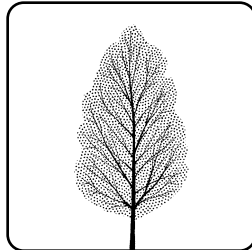
Bare Root

7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched

Betula papyrifera 'Renci'

Renaissance Reflection® Birch

Royalty \$1.05 (Singles for clumping \$.35 each)



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

INSECT RESISTANCE: Bronze birch borer

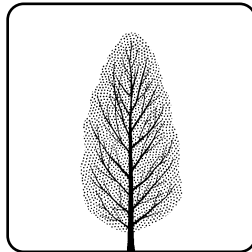
Container

3RP VigorLiner®
3RP VigorLiner®, clump
#7 clump

Betula platyphylla 'Fargo'

Dakota Pinnacle® Birch

Royalty \$.75



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

INSECT RESISTANCE: Japanese beetle

Container

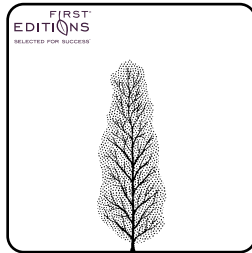
3RP VigorLiner®



Betula platyphylla 'Jefpark' PP 25468

Parkland Pillar™ Birch - First Editions®

Royalty \$1.50



Zone: 3
Height: 30'
Spread: 8'
Shape: Narrow, columnar
Foliage: Dark green
Fall Color: Yellow

INSECT RESISTANCE: Japanese Beetle

Container

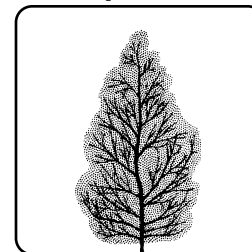
#15 1¼" caliper
#25 1¾" caliper



Northern Tribute® Birch

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

Bare Root

6 ft., branched
1" cal., branched
1¼" cal., branched

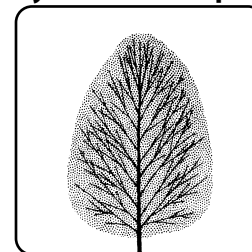
Container

#10 1" caliper
#15 1¼" caliper
#20 1½" caliper

Carpinus (Hornbeam)

Carpinus betulus 'Fastigiata'

Pyramidal European Hornbeam



Zone: 5
Height: 35'
Spread: 25'
Shape: Dense and compact, narrow when young, becoming oval
Foliage: Dark green
Fall Color: Yellow

Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
4 ft., branched
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Container

3RP VigorLiner®
#10 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper

Carpinus betulus 'JFS-KW1CB' PP 22814
Emerald Avenue® Hornbeam
Royalty \$1.75



Zone: 5
Height: 40'
Spread: 28'
Shape: Broadly pyramidal to ovate
Foliage: Deep green
Fall Color: Yellow

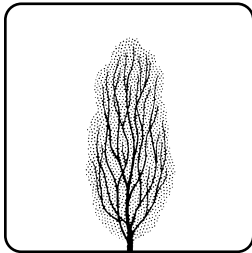
Bare Root

- 1¼" cal., branched
- 1½" cal., branched
- 6 ft., low branch
- 1" cal., low branch
- 1¼" cal., low branch
- 1½" cal., low branch

Container

- #10 1" caliper
- #15 1¼" caliper

Carpinus betulus 'Frans Fontaine'
Frans Fontaine Hornbeam



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

Bare Root

- 4 ft., whip
- 5 ft., whip
- 6 ft., whip
- 7 ft., whip
- 5 ft., branched
- 6 ft., branched
- 1" cal., branched
- 1¼" cal., branched
- 1½" cal., branched
- 1¾" cal., branched
- 2" cal., branched

Container

- 3RP VigorLiner®
- #5 5 foot
- #10 6 foot
- #10 1" caliper
- #15 1¼" caliper
- #20 1½" caliper



Native Flame® American Hornbeam

Emerald Avenue

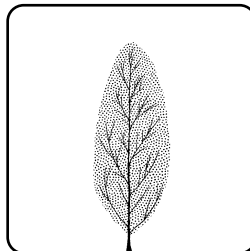
HORNBEAM

Deep green, handsomely corrugated leaves promise cool summer shade before turning golden yellow in autumn. A tough, adaptable tree with superior heat and drought tolerance.

Carpinus betulus 'Lucas'

Lucas Columnar Hornbeam

New '23



Zone: 5
Height: 30'
Spread: 10'
Shape: Narrow, columnar
Foliage: Dark green, thick
Fall Color: Brownish to golden yellow

Dense, tightly columnar form stays narrower than the widely planted 'Fastigiata'. Thick, durable leaves turn from golden yellow to brown and provide winter interest by persisting through the winter months. Tolerates high pH and heavy soils and can be tightly sheared as a narrow hedge or screen.

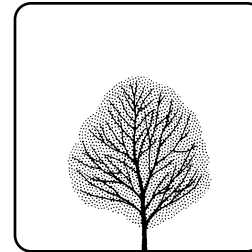
Bare Root

- 6 ft., branched
- 1" cal., branched

Container

- #15 1¼" caliper
- #20 1½" caliper

Carpinus caroliniana
American Hornbeam
syn. Blue Beech



Zone: 4
Height: 25'
Spread: 20'
Shape: Oval
Foliage: Dark green
Fall Color: Yellow to bright orange-red

Bare Root

- 5 ft., whip
- 6 ft., whip
- 7 ft., whip
- 5 ft., branched
- 6 ft., branched
- 1" cal., branched
- 1¼" cal., branched
- 1½" cal., branched

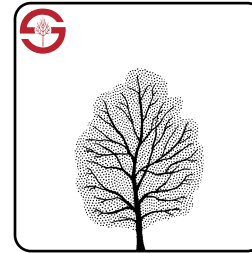
Container

- 3RP VigorLiner®
- #7 6 foot
- #10 6 foot
- #10 1" caliper

Carpinus caroliniana 'JFS-KW6'

Native Flame® American Hornbeam

Royalty \$1.75



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

Bare Root

- 4 ft., branched
- 5 ft., branched
- 6 ft., branched
- 1" cal., branched

Container

- #5 5 foot
- #7 6 foot
- #10 6 foot
- #10 1" caliper



Lucas Columnar Hornbeam

Carpinus caroliniana 'Uxbridge'
Rising Fire® American Hornbeam
Royalty \$1.75



Zone: 4
Height: 30'
Spread: 15'
Shape: Upright, narrow
Foliage: Medium green
Fall Color: Red to orange

Bare Root
5 ft., branched
6 ft., branched
1" cal., branched

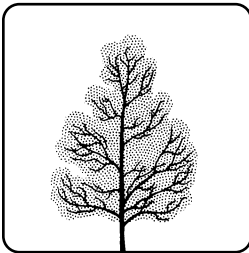
Container
#7 6 foot
#10 6 foot



Rising Fire® American Hornbeam

Catalpa

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

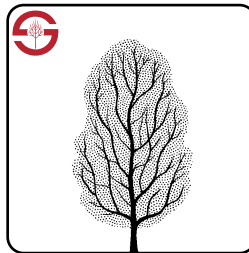
Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Container
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
32" 2½" caliper



Heartland® Catalpa

Catalpa speciosa 'Hiawatha 2'
Heartland® Catalpa
Royalty \$1.50



Zone: 5
Height: 50'
Spread: 25'
Shape: Upright narrow oval
Foliage: Dark green, large leaves
Fall Color: Yellow-green
Flower: White, in large clusters

Bare Root
3 ft., whip
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
1¼" cal., branched
1½" cal., branched

Container
#15 1¼" caliper

Cedrus (Blue Atlas Cedar)

Cedrus atlantica 'Glauca'
Blue Atlas Cedar



Zone: 6
Height: 60'
Spread: 40'
Shape: Pyramidal, open
Foliage: Silvery blue

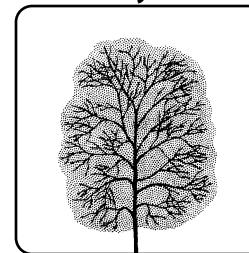
B & B
7 foot,
8 foot,
9 foot,
10 foot,
Container
32" 9 foot

PRAIRIE SENTINEL®
HACKBERRY



Celtis (Hackberry)

Celtis occidentalis
Hackberry



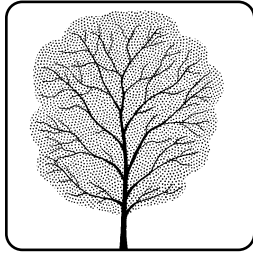
Zone: 3
Height: 45'
Spread: 35'
Shape: Broad top with ascending, then arching branches
Foliage: Light green
Fall Color: Yellow

Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched

Container
3RP VigorLiner®
7RP VigorLiner®
#5 5 foot
#7 6 foot
#10 1" caliper

Celtis 'Magnifica'

Magnifica Hackberry



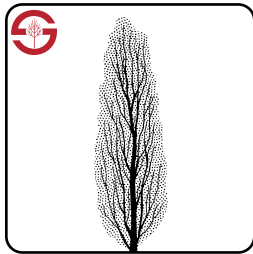
Zone: 5
Height: 50'
Spread: 40'
Shape: Broadly oval to vase
Foliage: Medium green
Fall Color: Yellow

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched

Celtis occidentalis 'JFS-KSU1'

Prairie Sentinel® Hackberry

Royalty \$1.75 | Part of the Sentinel® family of trees.



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

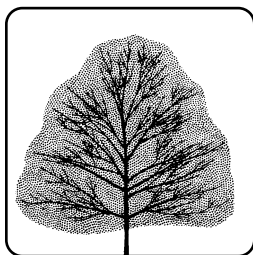
Bare Root
4 ft., branched
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched

Container
#7 6 foot
#10 1" caliper

***Cercidiphyllum* (Katsura Tree)**

Cercidiphyllum japonicum

Katsura Tree



Zone: 5
Height: 40'
Spread: 40'
Shape: Upright and pyramidal when young, rounded with age
Foliage: Bluish-green
Fall Color: Yellow or apricot orange

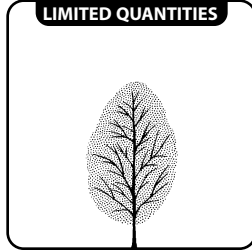
Bare Root
5 ft., whip
6 ft., whip
7 ft., whip

Container
#7 multi-stem
#10 5 foot, multi-stem

Cercidiphyllum japonicum 'Biringer' PP 21711

Hanna's Heart® Katsura Tree

Royalty \$1.00



Zone: 4b
Height: 27'
Spread: 15'
Shape: Upright oval
Foliage: Dark green
Fall Color: Yellow to orange

The smaller, narrower stature of this mannerly Katsura is a good fit for today's garden landscapes. Dark green, distinctively heart-shaped leaves are thick and heavily textured when young. It has demonstrated good hardiness in Zone 4b, with fall colors lasting a bit longer than others of the species.

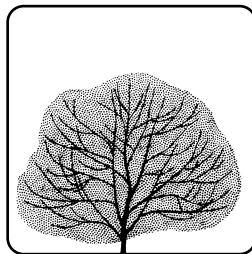
Bare Root
4 ft., branched
5 ft., branched
6 ft., branched

Container
#7 6 foot
#10 1" caliper

***Cercis* (Redbud)**

Cercis canadensis

Eastern Redbud



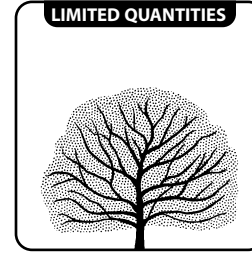
Zone: 5
Height: 25'
Spread: 30'
Shape: Multi-stem or low branching tree
Foliage: Medium green
Fall Color: Yellow
Flower: Reddish purple in bud, rosy-pink when open

Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
2 foot, multi-stem
3 foot, multi-stem
4 foot, multi-stem
5 foot, multi-stem
6 foot, multi-stem

Container
#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#5 multi-stem
#10 multi-stem
#15 6 foot, multi-stem
#15 7 foot, multi-stem

Cercis canadensis 'Appalachian Red'

Appalachian Red Redbud



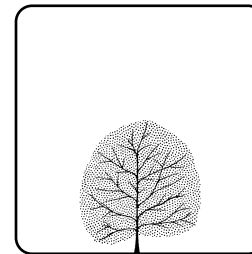
Zone: 5
Height: 20'
Spread: 25'
Shape: Multi-stem or low branching, spreading
Foliage: Dark green
Fall Color: Yellow
Flower: Bright pink flowers emerge from magenta buds

B & B
1½" caliper
1¾" caliper
2" caliper

Cercis canadensis 'NC216-2' PP 31260

Flame Thrower® Redbud

Royalty \$2.95



Zone: 5
Height: 15'
Spread: 15'
Shape: Rounded
Foliage: Multi-colors; red, orange, yellow, green
Fall Color: Medley of reds, burgundy, yellow, orange
Flower: Bright pink

Bright pink flowers of spring are upstaged by heart-shaped leaves that deliver a season-long, kaleidoscopic array of bright colors that change from shades of deep burgundy to red to burnt orange, bright yellow, green and gold. This controlled cross of Ruby Falls and The Rising Sun takes the species to a dramatic new level. Introduced by North Carolina State University.

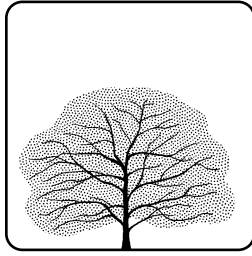
Bare Root
6 ft., branched
1" cal., branched
1¼" cal., branched

Container
#15 1¼" caliper



Flame Thrower® Redbud

New '23

Cercis canadensis 'Forest Pansy'**Forest Pansy Redbud**

Zone: 5
Height: 20'
Spread: 25'
Shape: Upright spreading branches, rounded
Foliage: Deep purple paling to bronze-green
Fall Color: Yellow orange
Flower: Magenta rose

Bare Root

4 ft., whip
 5 ft., whip
 6 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched
 3 foot, multi-stem
 4 foot, multi-stem
 5 foot, multi-stem
 6 foot, multi-stem

B & B

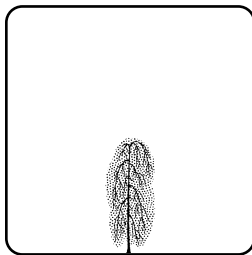
1¼" caliper
 1½" caliper
 1¾" caliper
 2" caliper
 2½" caliper

Container

3RP VigorLiner®
 #10 6 foot
 #10 1" caliper
 #20 1" caliper
 #20 1¼" caliper
 #25 1¼" caliper
 #25 1½" caliper
 #25 1¾" caliper
 #7 multi-stem

Cercis canadensis 'NC2015-12' PP 31658**Golden Falls® Redbud**

Royalty \$2.95

New
23

Zone: 5
Height: 10'
Spread: 4'
Shape: Weeping
Foliage: Golden yellow to lime green, heart shaped
Fall Color: Golden yellow
Flower: Lavender pink

Lavender pink blooms that tumble from gracefully weeping bare branches are followed by orange-tinted, heart-shaped golden leaves. True to its name, its heat and sun tolerant foliage presents a cascade of golden foliage that matures to lime green in late summer.

Bare Root

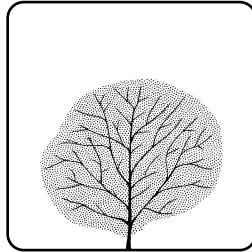
#1 head
 #1 light head

Container

#10 #1 head
 #15 #1 head

**Golden Falls® Redbud***Cercis canadensis* 'UMN7101'**Heart's Desire™ Redbud**

Royalty \$1.50



Zone: 4
Height: 15'
Spread: 20'
Shape: Rounded, spreading
Foliage: Medium green
Fall Color: Yellow
Flower: Lavender pink

Bare Root

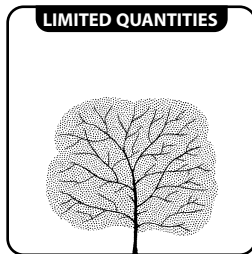
4 ft., whip
 5 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched

B & B

1" caliper
 1¼" caliper
 1½" caliper

Cercis canadensis 'Morton'**Joy's Pride™ Redbud**

Royalty \$.60



LIMITED QUANTITIES

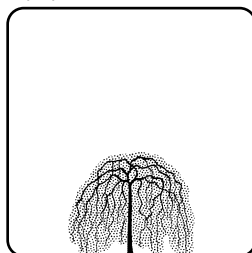
Zone: 5
Height: 15'
Spread: 20'
Shape: Oval to spreading
Foliage: Green, heart-shaped
Fall Color: Yellow
Flower: Bright lavender pink

B & B

1¼" caliper
 1½" caliper

Cercis canadensis 'Covey'**Lavender Twist® Redbud**

Royalty \$1.00



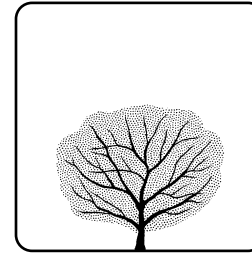
Zone: 5
Height: 7'
Spread: 8'
Shape: Weeping
Foliage: Medium green
Fall Color: Yellow
Flower: Magenta buds open rosy pink

Container

#7 6 foot

Cercis canadensis 'Merlot' PP 22297**Merlot Redbud**

Royalty \$2.25



Zone: 6
Height: 18'
Spread: 20'
Shape: Upright spreading, rounded
Foliage: Glossy, deep purple becoming bronze purple
Fall Color: Yellow
Flower: Magenta rose

Bare Root

3 ft., whip
 4 ft., whip
 5 ft., whip
 6 ft., whip
 4 ft., branched
 5 ft., branched
 6 ft., branched
 1" cal., branched

B & B

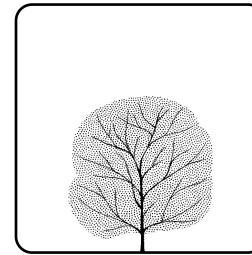
1¼" caliper
 1½" caliper

Container

#5 5 foot
 #7 6 foot
 #10 6 foot
 #15 1¼" caliper
 #20 1¼" caliper
 #25 1½" caliper

Cercis canadensis 'Pink Trim'**Northern Herald® Redbud**

Royalty \$.80



Zone: 4
Height: 20'
Spread: 20'
Shape: Rounded
Foliage: Dark green, leathery
Fall Color: Yellow
Flower: Bright magenta pink, profuse
Fruit: Sparse

Bare Root

4 ft., whip
 5 ft., whip
 6 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched

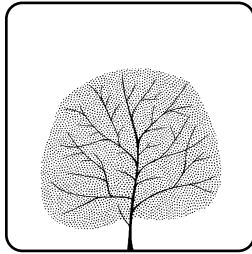
B & B

1" caliper
 1¼" caliper
 1½" caliper

Container

3RP VigorLiner®
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #25 1½" caliper

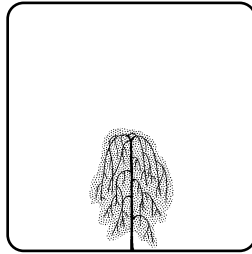
Cercis canadensis 'WFHnoli'
Northern Lites™ Redbud
Royalty \$1.00



Zone: 5
Height: 20'
Spread: 25'
Shape: Low branched or multi-stem tree, rounded
Foliage: Dark green
Fall Color: Yellow
Flower: Bright hot pink

Bare Root
5 ft., branched
6 ft., branched
1" cal., branched

Cercis canadensis 'Pink Heartbreaker' PP 23043
Pink Heartbreaker Redbud
Royalty \$2.00



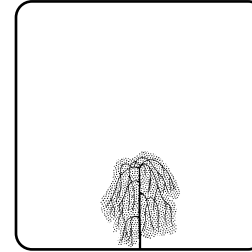
Zone: 5
Height: 12'
Spread: 8'
Shape: Weeping, spreading
Foliage: Dark green
Fall Color: Yellow
Flower: Lavender pink

Bare Root
#1 head
#1 light head
B & B
1¾" caliper
2" caliper
Container
#15 #1 head



Ruby Falls Redbud

Cercis canadensis 'Ruby Falls' PP22097
Ruby Falls Redbud
Royalty \$2.75



Zone: 5
Height: 8'
Spread: 6'
Shape: Weeping
Foliage: Deep purple, glossy
Fall Color: Yellow-bronze
Flower: Rose purple

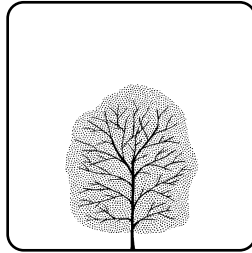
Bare Root
3 ft., whip
4 ft., whip
5 ft., whip
6 ft., whip
#1 head
#1 light head

B & B
1¼" caliper
1½" caliper
2" caliper
Container
3RP VigorLiner®
#7 6 foot
#25 1¾" caliper
#15 #1 head



Northern Herald® Redbud

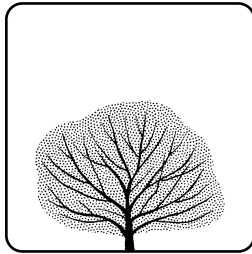
Cercis canadensis 'Pink Pom Poms' PP 27630
Pink Pom Poms Redbud
Royalty \$2.50



Zone: 6b
Height: 20'
Spread: 15'
Shape: Rounded
Foliage: Glossy green
Fall Color: Yellow
Flower: Reddish purple, double
Fruit: Seedless

Bare Root
6 ft., branched
1" cal., branched
B & B
1" caliper
1¼" caliper
1½" caliper
Container
3RP VigorLiner®
#10 1" caliper

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

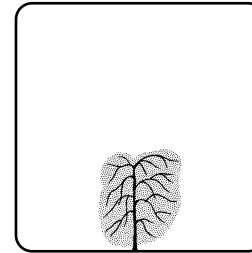
Bare Root
3 ft., whip
4 ft., whip
5 ft., whip
6 ft., whip
6 ft., branched
1" cal., branched

B & B
1" caliper
1¼" caliper
1½" caliper
Container
3RP VigorLiner®
#10 6 foot
#10 1" caliper
#15 1¼" caliper
#25 1½" caliper
#25 1¾" caliper
#25 2" caliper



Vanilla Twist Redbud

Cercis canadensis 'Vanilla Twist' PP 22744
Vanilla Twist Redbud
Royalty \$1.50



Zone: 5
Height: 8'
Spread: 6'
Shape: Weeping
Foliage: Light green
Fall Color: Yellow
Flower: White

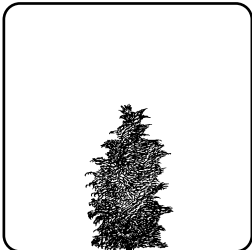
Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
4 ft., branched
5 ft., branched
6 ft., branched
Container
3RP VigorLiner®

Chamaecyparis

(Alaskan Cedar, Hinoki Cypress)

Cupressus nootkatensis 'Green Arrow'
Green Arrow Alaskan CedarNEW
2024**Zone:** 4
Height: 30'
Spread: 5'
Shape: Narrowly columnar
Foliage: Dark bluish green

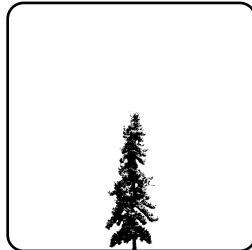
This faster growing, much narrower form of Weeping Alaskan Cedar typically forms a very narrow column of dark green, pendulous foliage. Unique shapes evolve as occasional branches grow horizontally from the main column. An excellent landscape specimen or focal point, it can also be used in group plantings where space is at a premium.

B & B
6 foot
7 foot
8 foot*Chamaecyparis nootkatensis* 'Pendula'
Weeping Alaskan Cedar**Zone:** 5
Height: 30'
Spread: 10'
Shape: Narrow, conical
Foliage: Light green**B & B**
7 foot
8 foot*Chamaecyparis obtusa* 'Aurea'
Golden Hinoki CypressNEW
2024**Zone:** 5
Height: 15'
Spread: 12'
Shape: Broadly pyramidal
Foliage: Yellow
Fall color: Coppery bronze

Spreading, graceful sprays of refined evergreen foliage sport golden yellow tips that stand out against the medium green, mature foliage of interior branches. The striking contrast brings a great mix of color and texture to the garden.

B & B
6 foot
7 foot
8 foot

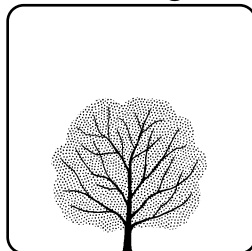
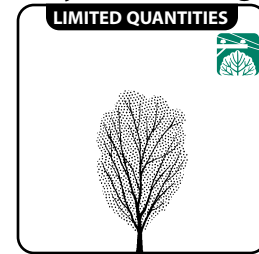
Tokyo Tower Fringetree

Chamaecyparis obtusa 'Gracilis'
Slender Hinoki CypressNEW
2024**Zone:** 5
Height: 15'
Spread: 10'
Shape: Irregularly pyramidal
Foliage: Dark green

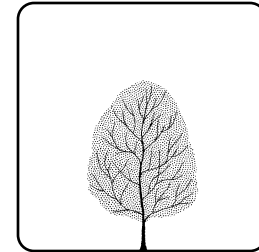
Fanlike, rounded sprays of dark green foliage form an irregularly pyramidal tree. Somewhat open in form, its graceful, slender form matches its descriptive name. Soft texture and narrow form recommend its use as an informal hedge or visual screen.

B & B
6 foot
7 foot
8 foot

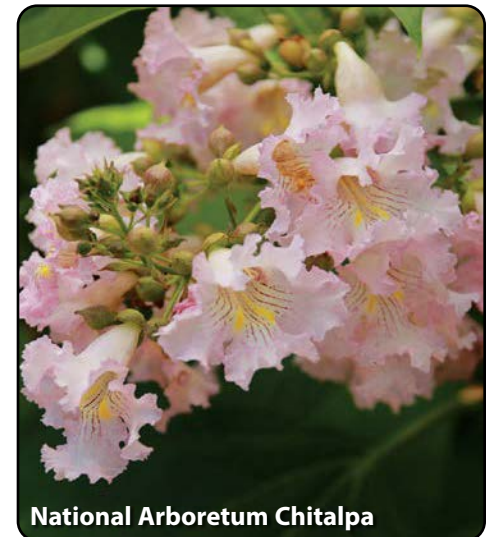
Golden Hinoki Cypress

Chionanthus (Fringe Tree)*Chionanthus retusus*
Chinese Fringetree**Zone:** 5
Height: 20'
Spread: 20'
Shape: Broadly oval
Foliage: Deep green
Fall Color: Bright yellow
Flower: White, snow-like, in large clusters**Container**
3RP VigorLiner®*Chionanthus retusus* 'Tokyo Tower'**Tokyo Tower Fringetree**

LIMITED QUANTITIES

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**Container**
3VL VigorLiner®**Chitalpa***Chitalpa tashkentensis***National Arboretum Chitalpa**NEW
2024**Zone:** 6
Height: 40'
Spread: 35'
Shape: Rounded with an open structure
Foliage: Dark green, large leaves
Fall Color: Yellow
Flower: Large clusters of pink or light purple flowers

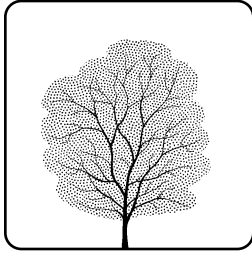
Large clusters of rich pink-purple flowers crown the canopy of this unique hybrid in early summer. Tree form and branch structure are superior to earlier *Chitalpa-Catalpa* selections. Reduced fruit set and smaller leaves than those of Northern *Catalpa* are additional features of this exciting new release to be announced by the National Arboretum later this year.

Bare Root
6 ft., whip
7 ft., whip
8 ft., whip
1" cal., branched**Container**
#20 1½" caliper
#25 2" caliper
28" 2" caliper

National Arboretum Chitalpa

Cladrastis (Yellowwood)

Cladrastis kentukea
Yellowwood

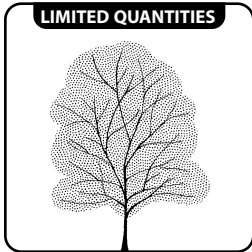


Zone: 4
Height: 30'
Spread: 40'
Shape: Round
Foliage: Bright green
Fall Color: Brilliant yellow
Flowers: White, in long clusters, fragrant

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
9 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched

Container
3RP VigorLiner®
#10 1" caliper

Cladrastis kentukea 'Perkins Pink'
Perkins Pink Yellowwood

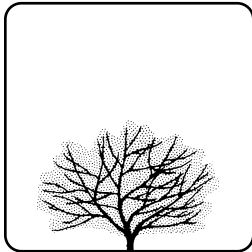


Zone: 4
Height: 30'
Spread: 30'
Shape: Round
Foliage: Green leaflets, compound
Fall Color: Yellow
Flower: Pink, in pendulous chains

Bare Root
7 ft., whip
8 ft., whip
9 ft., whip
1" cal., branched
1¼" cal., branched

Cornus (Cornelian Cherry)

Cornus mas
Cornelian Cherry



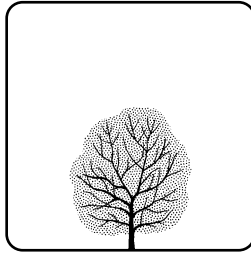
Zone: 5
Height: 18'
Spread: 22'
Shape: Low branched, rounded
Foliage: Glossy dark green
Fall Color: Slight to reddish purple.
Flower: Small, yellow, in masses
Fruit: Bright red, cherry like

Bare Root
4 ft., branched
5 ft., branched
6 ft., branched
7 ft., branched

Saffron
SENTINEL
CORNELIAN CHERRY



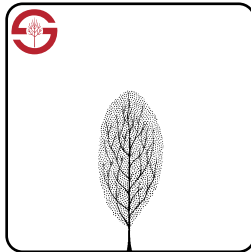
Cornus mas 'Golden Glory'
Golden Glory Cornelian Cherry



Zone: 4
Height: 22'
Spread: 18'
Shape: Broadly oval
Foliage: Glossy dark green
Fall Color: Slight to reddish purple
Flower: Small, bright yellow, in mass
Fruit: Bright red

Bare Root
4 ft., branched
5 ft., branched
6 ft., branched
7 ft., branched

Cornus mas 'JFS PN4Legacy'
Saffron Sentinel® Cornelian Cherry
Royalty \$1.75 | Part of the Sentinel® family of trees.



Zone: 4
Height: 22'
Spread: 12'
Shape: Columnar
Foliage: Dark green
Fall Color: Dark reddish purple
Flower: Bright yellow
Fruit: Bright red, ½", oblong
Bark: Dark brown, exfoliating

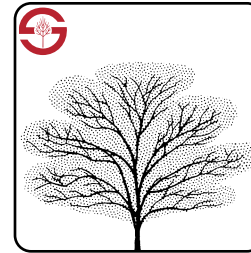
Bare Root
3 foot, multi-stem
4 foot, multi-stem
5 foot, multi-stem
4 ft., branched
5 ft., branched
6 ft., branched
7 ft., branched

Container
#7 6 foot

Cornus (Dogwood)

Cornus controversa 'June Snow-JFS'
June Snow™ Dogwood

Royalty \$1.25



Zone: 5
Height: 30'
Spread: 40'
Shape: Horizontally layered, spreading
Foliage: Dark green
Fall Color: Orange to red
Flower: White, in flat topped clusters
Fruit: Blue-black, ¼", clustered

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched

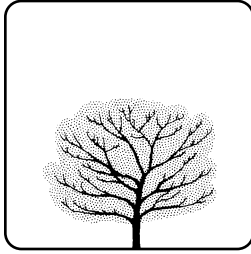
B & B
1¼" caliper
1½" caliper
1¾" caliper
2" caliper

Container
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1½" caliper
32" 2" caliper



Cornus florida rubra

Pink Flowering Dogwood

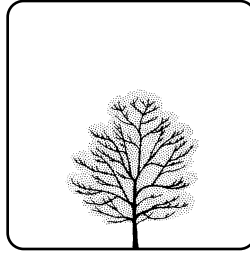


Zone: 5
Height: 20'
Spread: 20'
Shape: Upright spreading, rounded crown
Foliage: Green
Fall Color: Red
Flower: Pink

B & B
4 foot,
5 foot,
6 foot,
1" caliper
1 1/4" caliper
Container
#5 5 foot
#20 1" caliper

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

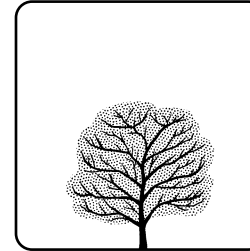
B & B
6 foot,
1" caliper
1 1/4" caliper
Container
#5 5 foot



Summer Fun Dogwood

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

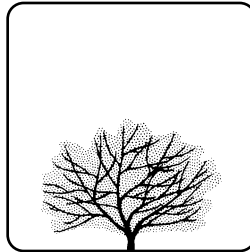
B & B
5 foot,
6 foot,
1" caliper
1 1/4" caliper
Container
#5 5 foot
#20 1" caliper



Cherokee Brave Dogwood

Cornus florida 'Cloud 9'

Cloud 9 Dogwood

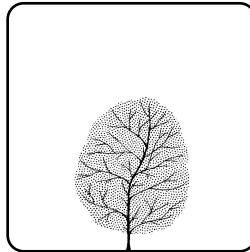


Zone: 5
Height: 15'
Spread: 20'
Shape: Spreading, broadly rounded crown
Foliage: Green
Fall Color: Red
Flower: White

B & B
6 foot,
1" caliper
1 1/4" caliper

Cornus florida 'Jean's Appalachian Snow'

Jean's Appalachian Snow Dogwood



Zone: 5
Height: 20'
Spread: 15'
Shape: Rounded
Foliage: Green
Fall Color: Bright red
Flower: White, large and overlapping bracts
Fruit: Red

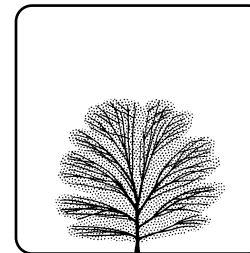
New '23

DISEASE RESISTANCE: Powdery mildew
Very large blooms are borne at a young age by this handsome selection of a beloved Southeastern US native tree. Excellent resistance to powdery mildew and reliably bright red fall color are among reasons to grow this resilient, adaptable cultivar that was developed at the University of Tennessee Institute of Agriculture.

B & B
6 foot,
1" caliper
1 1/4" caliper

Cornus kousa chinensis

Chinese Kousa Dogwood



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

Bare Root

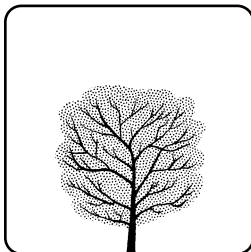
4 ft., branched.....	\$35.55	\$30.20
5 ft., branched.....	\$40.80	\$34.70
6 ft., branched.....	\$46.35	\$39.40
7 ft., branched.....	\$49.95	\$42.45
1" cal., branched.....	\$53.45	\$45.45
3 foot, multi-stem.....	\$27.45	\$23.35
4 foot, multi-stem.....	\$32.20	\$27.35
5 foot, multi-stem.....	\$36.75	\$31.25

B & B
1 1/4" caliper
1 1/2" caliper
1 3/4" caliper
2 foot, multi-stem
3 foot, multi-stem
4 foot, multi-stem
5 foot, multi-stem

Container
#5 5 foot
#7 6 foot
#10 1" caliper
#10 multi-stem

Cornus florida 'Comco No. 1'

Cherokee Brave Dogwood



Zone: 5
Height: 25'
Spread: 22'
Shape: Upright spreading, rounded crown
Foliage: Dark green
Fall Color: Red
Flower: Reddish-pink with white center

DISEASE RESISTANCE:
Spot anthracnose and powdery mildew

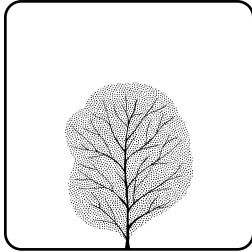
B & B
6 foot,
1" caliper
1 1/4" caliper
1 1/2" caliper

Container
#5 5 foot
#7 6 foot

Discount Opportunities

Please note that container and VigorLiner® orders qualify for different discounts than bare root, B & B, and root bag orders. See page 87 for details.

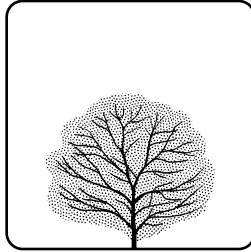
Cornus kousa chinensis 'Galzam'
Galilean® Dogwood
Royalty \$.95



Zone: 4
Height: 25'
Spread: 20'
Shape: Vase
Foliage: Dark green
Fall Color: Orange yellow
Flower: White
Fruit: Red

Bare Root
5 ft., branched
6 ft., branched
7 ft., branched

Cornus kousa 'Satomi'
Satomi Dogwood



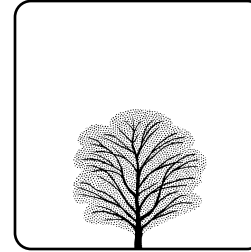
Zone: 5
Height: 20'
Spread: 20'
Shape: Vase to rounded
Foliage: Light green
Fall Color: Red
Flower: Rose pink

Bare Root
4 ft., branched
5 ft., branched

B & B
5 foot,
6 foot,
1" caliper
1¼" caliper
1½" caliper

Container
#5 5 foot
#20 1" caliper
#25 1¼" caliper

Cornus kousa 'Summer Fun'
Summer Fun Dogwood



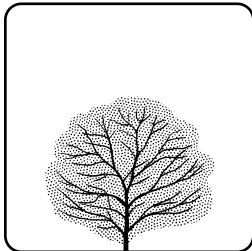
Zone: 5
Height: 18'
Spread: 15'
Shape: Rounded to wide vase
Foliage: Variegated, white and green
Fall Color: Red orange with pink margins
Flower: White
Fruit: Red, ¼"

Bare Root
4 ft., branched
5 ft., branched
6 ft., branched

B & B
5 foot
6 foot
1" caliper
1¼" caliper
1½" caliper

Container
#5 5 foot

Cornus kousa 'Schmred'
Heart Throb® Dogwood
Royalty \$.75



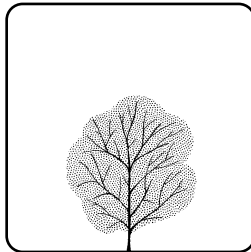
Zone: 5
Height: 20'
Spread: 20'
Shape: Rounded
Foliage: Dark green
Fall Color: Deep red
Flower: Rose pink
Fruit: Red, ¼"

B & B
6 foot,
1" caliper
1¼" caliper
1½" caliper
Container
#5 5 foot
#20 1" caliper



Scarlet Fire® Dogwood

Cornus 'Rutpink' PP 28311
Scarlet Fire® Dogwood
Royalty \$2.35



Zone: 5
Height: 20'
Spread: 18'
Shape: Broadly oval
Foliage: Dark green
Fall Color: Maroon
Flower: Large bracts, deep pink to fuchsia
Fruit: Red, 1"

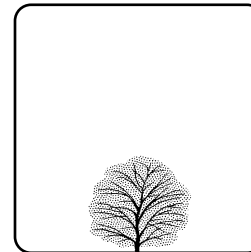
DISEASE RESISTANCE:
Dogwood anthracnose and powdery mildew

Bare Root
4 ft., branched
5 ft., branched
6 ft., branched

B & B
6 foot,
1" caliper
1¼" caliper
1½" caliper

Container
#5 5 foot

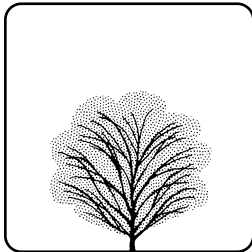
Cornus kousa 'Summer Gold' PP 22765
Summer Gold Dogwood
Royalty \$1.65



Zone: 5
Height: 15'
Spread: 15'
Shape: Rounded to wide vase
Foliage: Variegated yellow and green
Fall Color: Pink, then red
Flower: White
Fruit: Red, ¼"

Container
#5 5 foot
#7 6 foot

Cornus kousa 'Milky Way Select'
Milky Way Select Dogwood



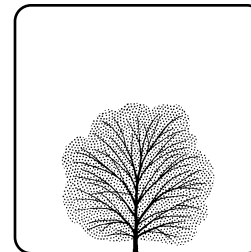
Zone: 5
Height: 15'
Spread: 15'
Shape: Rounded to wide vase
Foliage: Green
Fall Color: Bright red
Flower: Large creamy white bracts
Fruit: Red, ¼"

Bare Root
4 ft., branched
5 ft., branched
6 ft., branched

B & B
6 foot 1" caliper
1¼" caliper

Container
#7 6 foot
#20 1" caliper

Cornus × 'Rutdan'
Celestial® Dogwood
Royalty \$.50



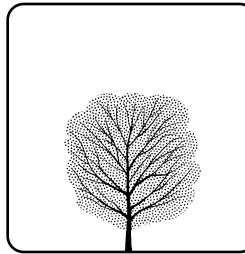
Zone: 6
Height: 20'
Spread: 20'
Shape: Upright spreading
Foliage: Green
Flower: White

DISEASE RESISTANCE:
Dogwood anthracnose and powdery mildew

B & B
6 foot,
1" caliper
1¼" caliper
1½" caliper



Cornus (kousa × nuttallii) × kousa 'KN 30-8' PP 16309
Venus® Dogwood
Royalty \$1.50



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, 3/4", sparse

DISEASE RESISTANCE:
Dogwood anthracnose and powdery mildew

B & B

6 foot

1" caliper

1 1/4" caliper

1 1/2" caliper

1 3/4" caliper

Container

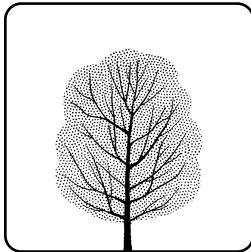
#3

#7 6 foot

#20 1" caliper

Cornus kousa × nuttallii 'KN4-43' PP 16293
Starlight® Dogwood

Royalty \$1.50



Zone: 6
Height: 30'
Spread: 20'
Shape: Upright oval
Foliage: Deep green
Fall Color: Red
Flower: Large, creamy white
Fruit: Red orange, 3/4", sparse

DISEASE RESISTANCE:
Dogwood anthracnose and powdery mildew

B & B

6 foot

1" caliper

1 1/4" caliper

1 1/2" caliper

1 3/4" caliper

2" caliper

Container

#5 5 foot

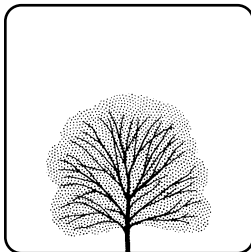
#7 6 foot

#20 1" caliper

#20 1 1/4" caliper

*Cornus × 'Rutgan'***Stellar Pink® Dogwood**

Royalty \$.50



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

B & B

5 foot

6 foot

1" caliper

1 1/4" caliper

1 1/2" caliper

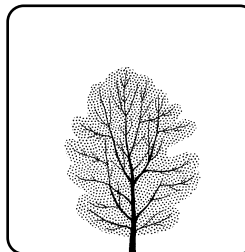
Container

#7 6 foot

#20 1 1/4" caliper

#25 1 1/2" caliper

Cornus 'Eddie's White Wonder'
Eddie's White Wonder Dogwood



Zone: 6
Height: 25'
Spread: 20'
Shape: Upright, pyramidal; slightly pendulous branching
Foliage: Dark green
Fall Color: Red
Flower: Large white bracts
Fruit: Small red

B & B

6 foot

1" caliper

1 1/4" caliper

1 1/2" caliper

1 3/4" caliper

Container

#3

#5 5 foot

#7 6 foot

#15 6 foot

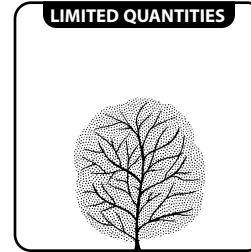
#20 1" caliper

#20 1 1/4" caliper

**Starlight® Dogwood****Corylus** (Turkish Hazel, Filbert)

Corylus avellana 'Burgundy Lace' PP 28216
Burgundy Lace European Filbert

Royalty \$1.00



Zone: 4
Height: 18'
Spread: 15'
Shape: Upright, spreading
Foliage: Cutleaf, burgundy
Fall Color: Burgundy to orange
Flower: Slender red catkins in late winter
Fruit: Small hazelnuts

New '22

DISEASE RESISTANCE:
Eastern filbert blight, Oregon strain

Deeply dissected burgundy leaves mature to bronze-green in late summer. Small edible hazelnuts can develop if a suitable pollinator is nearby. Developed and introduced by Oregon State University, this unique, ornamental form of European Hazel is easily maintained as a small spreading shade tree.

Bare Root

5 ft., whip

6 ft., whip

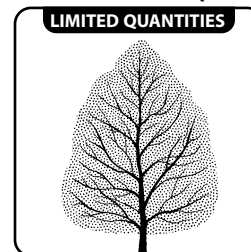
5 ft., branched

6 ft., branched

1" cal., branched

Container

#10 6 foot

**Burgundy Lace European Filbert***Corylus colurna***Turkish Hazel (Filbert)**

Zone: 4
Height: 45'
Spread: 30'
Shape: Pyramidal
Foliage: Green
Fall Color: Yellow

Bare Root

6 ft., branched

1" cal., branched

1 1/4" cal., branched

Container

#15 1" caliper



Crimson Cloud Hawthorn

Crataegus laevigata 'Crimson Cloud'
Crimson Cloud Hawthorn

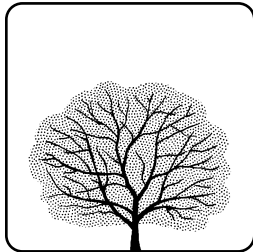


Zone: 4
Height: 25'
Spread: 18'
Shape: Oval, with upright spreading wavy branches
Foliage: Small glossy green
Flower: Bright red with white centers
Fruit: Bright red

DISEASE RESISTANCE: leaf spot

Crataegus (Hawthorn)

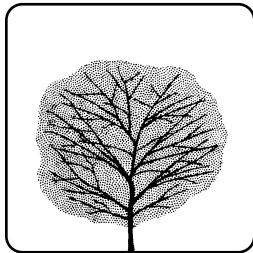
Crataegus ambigua
Russian Hawthorn



Zone: 4
Height: 18'
Spread: 20'
Shape: Rounded to spreading
Foliage: Medium green
Flower: White
Fruit: Deep red

Bare Root
2 foot, multi-stem
3 foot, multi-stem
4 foot, multi-stem
5 foot, multi-stem
6 ft., branched
7 ft., branched
1" cal., branched

Crataegus crus-galli 'Inermis'
Thornless Cockspur Hawthorn

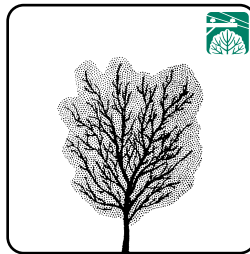


Zone: 4
Height: 25'
Spread: 25'
Shape: Rounded, spreading
Foliage: Leathery, deep green, glossy
Fall Color: Orange or rusty orange
Flower: Small, white in 2" clusters
Fruit: Dark red, 3/8"-1/2", persistent

Bare Root
3 ft., whip
4 ft., whip
5 ft., whip
4 ft., branched
5 ft., branched
6 ft., branched
7 ft., branched
3 foot, multi-stem
4 foot, multi-stem
5 foot, multi-stem
6 foot, multi-stem

Container
#5 5 foot
#7 6 foot

Crataegus x lavalleyi
Lavalle Hawthorn



Zone: 4
Height: 28'
Spread: 20'
Shape: Irregular vase
Foliage: Dark green, leathery
Fall Color: Bronze
Flower: White, in large clusters
Fruit: Orange, 5/8"

Bare Root
6 ft., branched
7 ft., branched
1" cal., branched

Container
#10 1" caliper

Crataegus laevigata 'Paul's Scarlet'
Paul's Scarlet Hawthorn

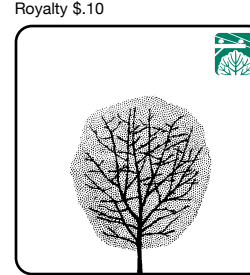


Zone: 4
Height: 22'
Spread: 20'
Shape: Dense, upright spreading, oval
Foliage: Small, deeply lobed, green
Flower: Double, scarlet to rose
Fruit: Sparse, deep red

Bare Root
6 ft., branched
7 ft., branched
1" cal., branched

Container
#10 1" caliper
#15 1 1/4" caliper

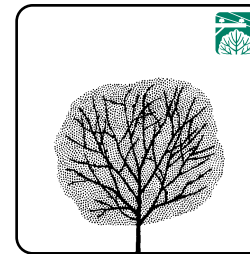
Crataegus x mordenensis 'Snowbird' C.O.P.F.
Snowbird Hawthorn



Zone: 3
Height: 22'
Spread: 20'
Shape: Upright oval to rounded
Foliage: Dark glossy green
Flower: Small, double white, in clusters
Fruit: Bright crimson, 3/8"

Bare Root
7 ft., branched
1" cal., branched

Crataegus x mordenensis 'Toba'
Toba Hawthorn

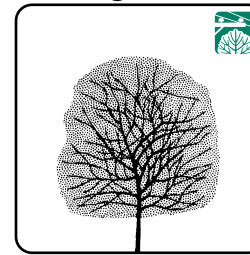


Zone: 3
Height: 20'
Spread: 20'
Shape: Upright, round
Foliage: Dark green
Flower: In clusters, double white, fading to pink, fragrant
Fruit: Red, 3/8"

Bare Root
6 ft., branched
7 ft., branched
1" cal., branched

Container
#10 1" caliper
#15 1 1/4" caliper

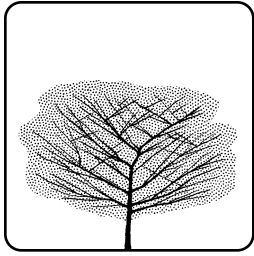
Crataegus phaenopyrum
Washington Hawthorn



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 in clusters
Fruit: Bright, glossy red, 1/2", persistent

Bare Root
5 ft., whip
6 ft., whip
5 ft., branched
6 ft., branched
7 ft., branched

Container
#5 5 foot
#7 6 foot
#10 1" caliper
#15 1 1/4" caliper
5RP VigorLiner®, multi-stem
#5 multi-stem

Crataegus viridis 'Winter King'
Winter King Hawthorn

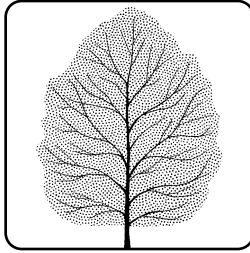
Zone: 4
Height: 20'
Spread: 25'
Shape: Wide vase, angular branch pattern
Foliage: Dark green
Fall Color: Yellow
Flower: White in clusters
Fruit: Bright red, ¼"

Bare Root

4 ft., whip
 5 ft., whip
 6 ft., whip
 4 ft., branched
 5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched
 1¼" cal., branched
 2 foot, multi-stem
 3 foot, multi-stem

Container

#5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper

Fagus (Beech)*Fagus grandifolia*
American Beech

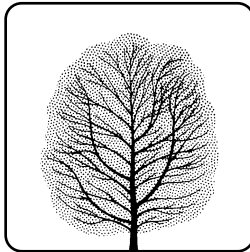
Zone: 5
Height: 50'
Spread: 40'
Shape: Broadly oval
Foliage: Glossy green
Fall Color: Golden bronze

B & B

3 foot,
 4 foot,
 5 foot,

Container

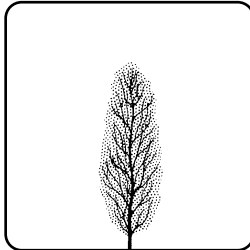
#7 6 foot

Fagus sylvatica
Green Beech

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

B & B

1¼" caliper
 1½" caliper
 1¾" caliper
 2" caliper

Fagus sylvatica 'Dawcyk Purple'
Dawcyk Purple Beech

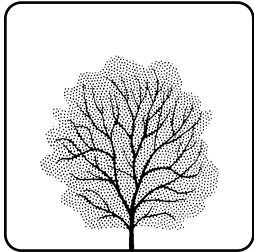
Zone: 5
Height: 40'
Spread: 12'
Shape: Columnar, fastigiate
Foliage: Purple

B & B

1" caliper
 1¼" caliper
 1½" caliper
 1¾" caliper

Container

#20 1" caliper
 #15 1¼" caliper

Eucommia (Hardy Rubber Tree)*Eucommia ulmoides*
Hardy Rubber Tree

Zone: 5
Height: 45'
Spread: 45'
Shape: Rounded, with ascending branches
Foliage: Lustrous dark green

Bare Root

6 ft., branched
 1" cal., branched
 1¼" cal., branched

Diospyros (Persimmon)

Fuyu ('Jiro')

Container

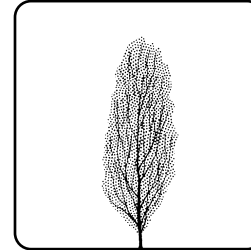
#7

Each

For more information on our fruit trees, including rootstocks, see page 79 or visit www.jfss.co/fruit



Purple Fountain Beech

Fagus sylvatica 'Fastigiata' ('Dawcyk')
Fastigiate Beech

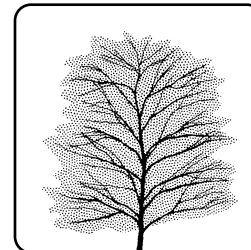
Zone: 5
Height: 45'
Spread: 15'
Shape: Columnar, fastigiate
Foliage: Dark green
Fall Color: Golden brown

B & B

1" caliper
 1¼" caliper
 1½" caliper
 1¾" caliper

Container

#15 1¼" caliper
 #25 1½" caliper

Fagus sylvatica 'Asplenifolia'
Fernleaf Beech

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

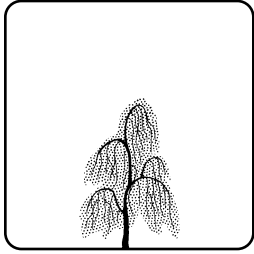
B & B

1" caliper
 1¼" caliper



Red Obelisk Beech

Fagus sylvatica 'Purple Fountain'
Purple Fountain Beech



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

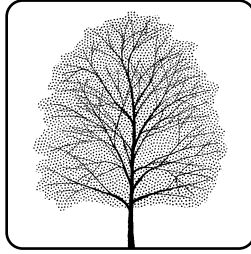
B & B

1" caliper
1¼" caliper
1½" caliper
1¾" caliper

Container

#20 1" caliper
#20 1¼" caliper
#25 1½" caliper
#25 1¾" caliper

Fagus sylvatica 'Riversii'
Rivers Purple Beech



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

B & B

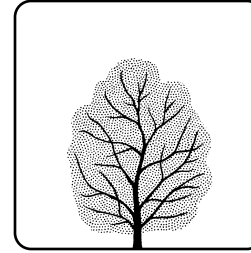
1" caliper
1¼" caliper
1½" caliper
1¾" caliper

Container

#15 1¼" caliper
#20 1¼" caliper
#20 1½" caliper
#25 1¾" caliper

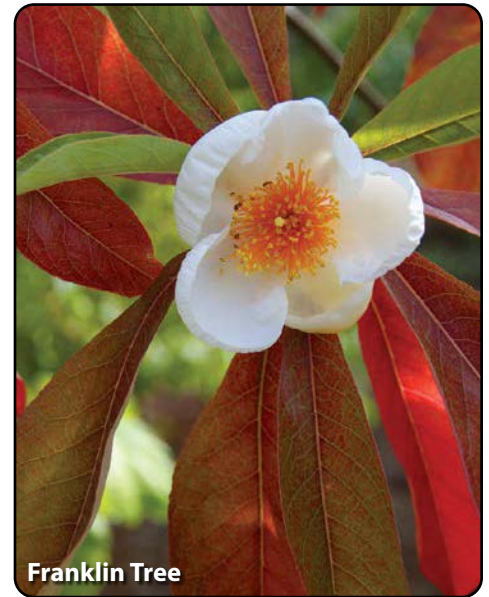
Franklinia (Franklin Tree)

Franklinia alatamaha
Franklin Tree



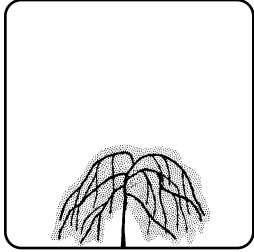
Zone: 5
Height: 18'
Spread: 12'
Shape: Upright spreading, oval
Foliage: Dark green
Fall Color: Orange-red
Flower: Large, white with orange center

Container
3VL VigorLiner®



Franklin Tree

Fagus sylvatica 'Purpurea Pendula'
Purple Weeping Beech

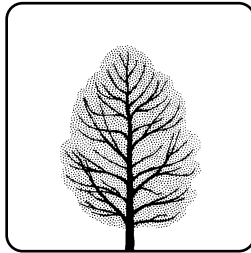


Zone: 5
Height: 10'
Spread: 15'
Shape: Broadly weeping
Foliage: Purple

B & B

1¼" caliper
¾" caliper, low head
7/8" caliper, low head
1" caliper, low head

Fagus sylvatica 'Roseomarginata'
Tricolor Beech



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

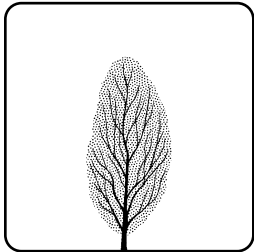
B & B

6 foot,
1" caliper
1¼" caliper

Container

#15 6 foot
#20 1" caliper

Fagus sylvatica 'Red Obelisk'
Red Obelisk Beech



Zone: 5
Height: 35'
Spread: 12'
Shape: Columnar, compact
Foliage: Purple

B & B

1" caliper
1¼" caliper
1½" caliper
1¾" caliper

Container

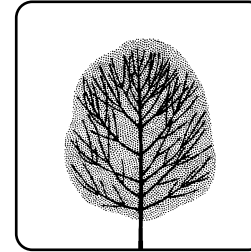
#15 1¼" caliper



Tricolor Beech

Fraxinus (Ash)

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

Bare Root

6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched

Container

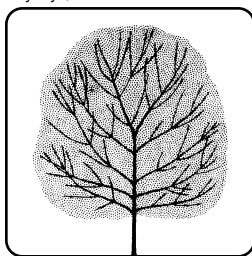
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper



Autumn Gold Ginkgo

Fraxinus americana 'Junginger'
Autumn Purple® Ash

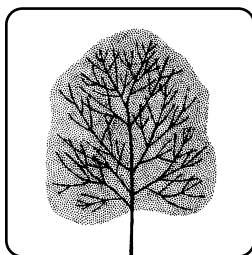
Royalty \$.50



Zone: 4
Height: 45'
Spread: 40'
Shape: Rounded
Foliage: Green, heavily textured
Fall Color: Reddish-purple
Fruit: Seedless

Bare Root
7 ft., whip
6 ft., branched
1" cal., branched

Fraxinus pennsylvanica 'Patmore'
Patmore Ash

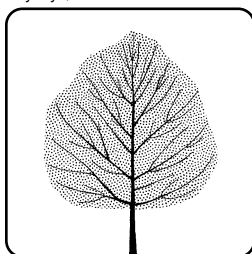


Zone: 2
Height: 45'
Spread: 35'
Shape: Symmetrical upright branches, oval head
Foliage: Dark green, glossy
Fall Color: Yellow
Fruit: Seedless

Container
#20 1½" caliper

Fraxinus pennsylvanica 'Urbanite'
Urbanite® Ash

Royalty \$.50

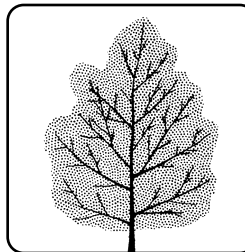


Zone: 5
Height: 50'
Spread: 40'
Shape: Broadly pyramidal
Foliage: Lustrous green, thick and leathery
Fall Color: Deep bronze
Fruit: Samaras

Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip

Ginkgo (Maidenhair Tree)

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

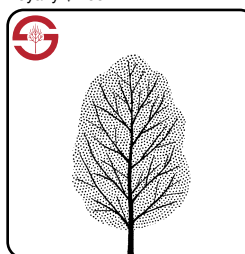
Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

B & B
1" caliper
1¼" caliper
1½" caliper
1¾" caliper

Container
3VL VigorLiner®
3RP VigorLiner®
#5 5 foot
#10 6 foot
#10 1" caliper
#15 1¼" caliper

Ginkgo biloba 'JFS-UGA2'
Golden Colonnade® Ginkgo

Royalty \$2.00

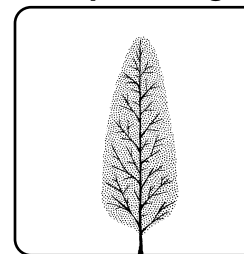


Zone: 4
Height: 45'
Spread: 25'
Shape: Narrow oval
Foliage: Medium green
Fall Color: Bright yellow
Fruit: Seedless

Bare Root
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container
#7 6 foot
#10 1" caliper
#15 1¼" caliper

Ginkgo biloba 'Blagon'
Goldspire Ginkgo



Zone: 4
Height: 45'
Spread: 12'
Shape: Narrowly columnar
Foliage: Green
Fall Color: Bright golden yellow
Fruit: Seedless

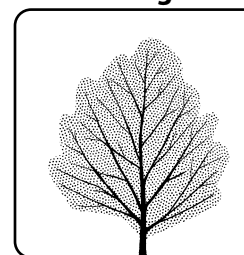
Bare Root
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container
#5 5 foot
#7 6 foot
#10 1" caliper



Goldspire Ginkgo

Ginkgo biloba 'Halka'
Halka Ginkgo



Zone: 4
Height: 45'
Spread: 40'
Shape: Broadly pyramidal becoming oval
Foliage: Medium green
Fall Color: Bright yellow
Fruit: Reported seedless

Bare Root
6 ft., branched
1" cal., branched

Ginkgo biloba 'The President'
Presidential Gold® Ginkgo

Royalty \$2.00



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

Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched

B & B

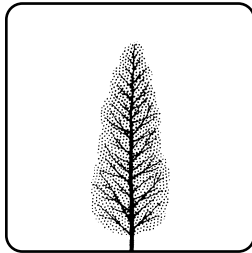
1¼" caliper
1½" caliper
1¾" caliper

Container

3VL VigorLiner®
3RP VigorLiner®
#5 5 foot
#7 6 foot
#10 6 foot
#10 1" caliper
#15 1¼" caliper

Ginkgo biloba 'Princeton Sentry'
Princeton Sentry® Ginkgo

Royalty \$.60



Zone: 4
Height: 40'
Spread: 15'
Shape: Narrowly pyramidal
Foliage: Green
Fall Color: Bright yellow
Fruit: Seedless

Bare Root

4 ft., branched
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

B & B

1¼" caliper
1½" caliper
1¾" caliper

Container

3VL VigorLiner®
#5 5 foot
#7 6 foot
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#10 1" caliper, High Head

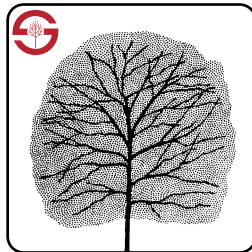


Presidential Gold® Ginkgo

Gleditsia (Honeylocust)

Gleditsia triacanthos 'Christie'
Halka™ Honeylocust

Royalty \$1.00



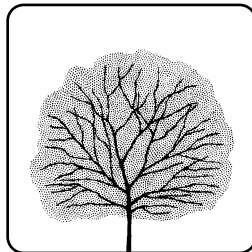
Zone: 4
Height: 40'
Spread: 40'
Shape: Widely oval to round
Foliage: Fine textured, medium green
Fall Color: Yellow

Bare Root

7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched

Gleditsia triacanthos 'Impcole'
Imperial® Honeylocust

Royalty \$.75



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

Bare Root

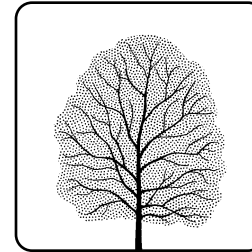
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Thornless & 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 'Harve'
Northern Acclaim® Honeylocust

Royalty \$.70



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

Bare Root

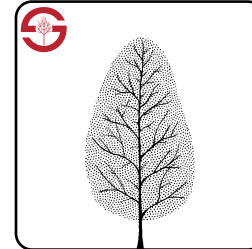
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched



Northern Sentinel® Honeylocust

Gleditsia triacanthos 'JFS GMorgenson1'
Northern Sentinel® Honeylocust

Royalty \$1.75 | Part of the Sentinel® family of trees.



Zone: 4
Height: 45'
Spread: 25'
Shape: Upright vase to upright oval
Foliage: Fine textured, medium green
Fall Color: Yellow
Fruit: Sparse

Bare Root

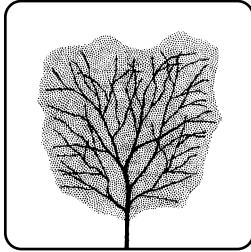
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container

#10 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper

Gleditsia triacanthos 'Shademaster'
Shademaster® Honeylocust

Royalty \$.40



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

INSECT RESISTANCE: Spider mites**Bare Root**

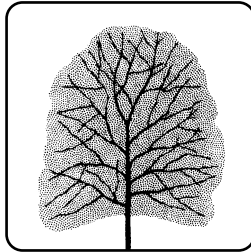
7 ft., whip
 8 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched

Container

#7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper
 #25 2" caliper

Gleditsia triacanthos 'Skycole'
Skyline® Honeylocust

Royalty \$.75



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

Bare Root

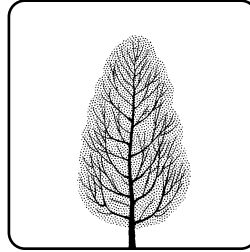
4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 1" cal., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched

Container

3RP VigorLiner®
 #5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper
 #25 2" caliper

Gleditsia triacanthos 'Draves' PP 21698
Street Keeper® Honeylocust

Royalty \$1.00



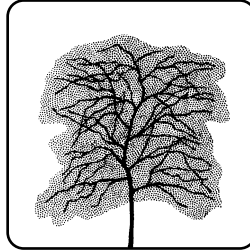
Zone: 4b
Height: 45'
Spread: 20'
Shape: Narrow, strongly upright, tightly pyramidal
Foliage: Dark green, fine textured
Fall Color: Yellow

Bare Root

5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched

Gleditsia triacanthos 'Suncole'
Sunburst® Honeylocust

Royalty \$.75



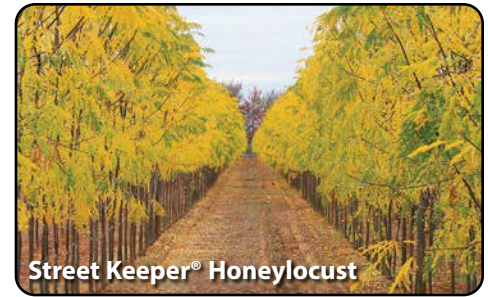
Zone: 4
Height: 40'
Spread: 35'
Shape: Irregular, somewhat rectangular outline
Foliage: Bright yellow tip growth
Fall Color: Yellow-brown
Fruit: Seedless

Bare Root

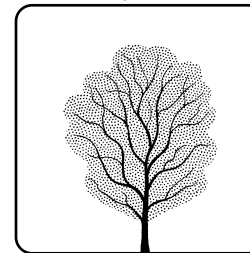
5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container

#5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper

**Skyline® Honeylocust****Street Keeper® Honeylocust****Gymnocladus**

(Kentucky Coffee Tree)

*Gymnocladus dioicus***Kentucky Coffee Tree**

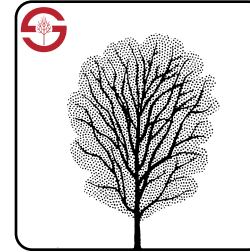
Zone: 4
Height: 50'
Spread: 35'
Shape: Oval to vase with upright arching branches
Foliage: Green, doubly compound
Fall Color: Yellow

Bare Root

4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 1" cal., whip
 1¼" cal., whip
 1" cal., branched
 1¼" cal., branched

Gymnocladus dioicus 'Espresso-JFS'**Espresso™ Kentucky Coffee Tree**

Royalty \$1.50



Zone: 4
Height: 50'
Spread: 35'
Shape: Oval to vase with upright arching branches
Foliage: Frond-like fans of delicate bluish green leaves
Fall Color: Yellow
Fruit: Seedless

Bare Root

4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 9 ft., whip
 1" cal., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container

#7 6 foot
 #10 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper

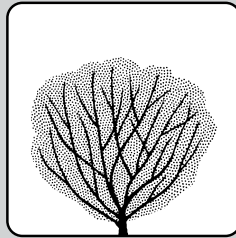
ESPRESSO™

Kentucky Coffee Tree



www.EspressoCoffeeTree.com

Hamamelis (Witch Hazel)



Spidery blossoms of witch hazel unfurl in late winter to bring bright sparks of living color to the awakening garden. Low-branched and multi-stemmed, with upright arching branches, they reach approximately 10'x10' at maturity.

Container

Arnold Promise
#5 multi-stem
Diane, Jelena
#7 multi-stem



Arnold Promise



Diane

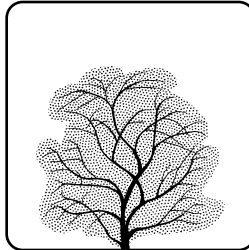


Jelena

Cultivar	Flower Color	Fall Color	Zone
Arnold Promise	Yellow	Bright Yellow	5
Diane	Crimson-red	Bright orange-red	5
Jelena (Copper Beauty)	Coppery orange	Bright orange-red	5

Heptacodium (Seven-son Flower)

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 calyxes

Container
3VL VigorLiner®

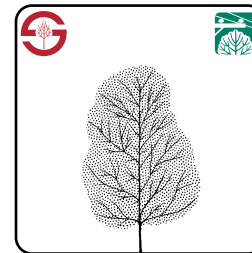


Seven-son Flower



Stars & Sparks™ Seven-son Flower

Heptacodium miconioides 'JFS GM1HM'
Stars & Sparks™ Seven-son Flower
Royalty: \$2.75



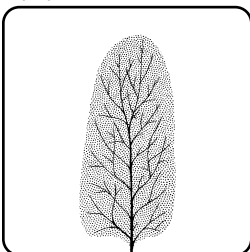
Zone: 5
Height: 18'
Spread: 12'
Shape: Upright oval
Foliage: Dark green
Fall Color: Yellow to orange
Flower: White flower clusters, showy red sepals
Bark: Tan, exfoliating

NEW
2024

Upright growth habit and stout branch structure form a sturdy, small stature tree. Tough and adaptable, its fragrant late summer blooms support pollinators at a time when little else is flowering. Showy red sepals last well into fall, providing a long season of interest. Handsome tan bark exfoliates in long papery strips.

Bare Root
5 ft., branched
6 ft., branched

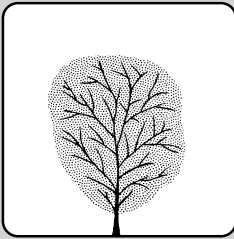
Gymnocladus dioica 'Morton'
Skinny Latte™ Kentucky Coffee Tree
Royalty \$1.50



Zone: 4
Height: 50'
Spread: 18'
Shape: Narrow vase, nearly columnar
Foliage: Green leaflets form large, frond-like fans
Fall Color: Yellow
Fruit: Seedless

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
1" cal., whip

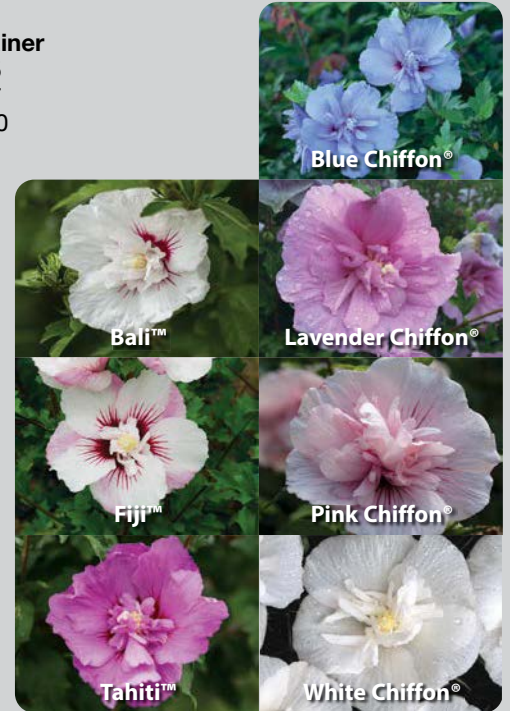
Hibiscus (Rose of Sharon, Hibiscus)



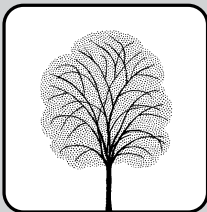
Appreciation for its beauty grows to new heights when this classic garden shrub is presented as a small, single-trunked tree. Small green leaves grow along soft, graceful stems to set a dense, contrasting backdrop for the large, colorful multi-petaled flowers that bloom throughout the summer months and into autumn. **Height:** 12' | **Spread:** 8' | **Zone:** 5

Container
#5
#7
#10

Cultivar	Flower	Sizes	Brand
<i>Hibiscus syriacus</i> 'Minfren' Bali™ Hibiscus	White	#5	FIRST EDITIONS SELECTED FOR SUCCESS Royalty: \$0.95
<i>Hibiscus syriacus</i> 'Minspot' Fiji™ Hibiscus	White and pink		
<i>Hibiscus syriacus</i> 'Mineru' Tahiti™ Hibiscus	Purplish pink		
<i>Hibiscus syriacus</i> 'Notwoodthree' PP 20574 Blue Chiffon® Rose of Sharon	Blue	#5, #7	PW PROVEN WINNERS Royalty \$1.05
<i>Hibiscus syriacus</i> 'Notwoodone' PP 12619 Lavender Chiffon® Rose of Sharon	Lavender	#7, #10	
<i>Hibiscus syriacus</i> 'Jwnwood4' PP 24336 Pink Chiffon® Rose of Sharon	Pink, double	#5, #7	
<i>Hibiscus syriacus</i> 'Notwoodtwo' PP 12612 White Chiffon® Rose of Sharon	White	#5, #7, #10	



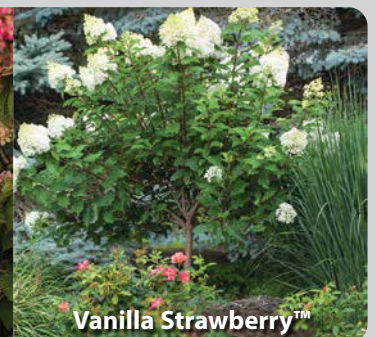
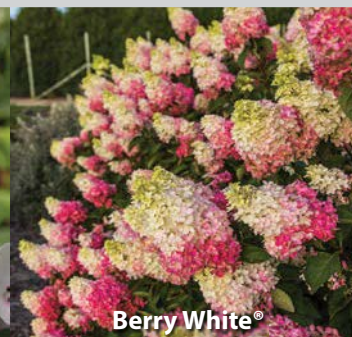
Hydrangea (Tree Form)



Good things come in small packages, and the same can be said for hydrangeas grown as small trees. These stunning, easy-care, tree form shrubs bring beauty to eye level and lend a formal air to container and landscape plantings. Adaptable to varied soils and hardy through USDA Zone 3, their sturdy trunks, strong stems and upright growth habit support bright waves of flowers that bloom summer through autumn. A great addition to the cutting garden, tree hydrangeas are a source of colorful, long-lasting flowers whether arranged fresh or dried.

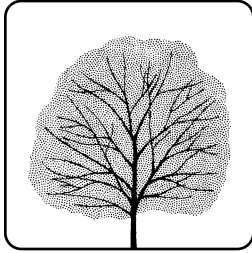
Container
#5 tree form
#7 tree form
#10 tree form
#20 tree form

Cultivar	Available Sizes	Flower Color	Height	Spread	Royalty	Brand
<i>Hydrangea paniculata</i> 'Limelight' PP 12874 Limelight Hydrangea	Container - #7, #10, #20	Soft lime green to white	10'	7'	\$1.25	PW PROVEN WINNERS
<i>Hydrangea paniculata</i> 'Bulk' PP 16812 Quick Fire® Hydrangea	Container - #7, #10	Opens white, aging to pink	10'	8'		
NEW 2024 <i>Hydrangea paniculata</i> 'Renba' PP 28509 Berry White® Hydrangea	Container - #5, #7	White, progressing to dark pink	10'	8'	\$1.40	FIRST EDITIONS SELECTED FOR SUCCESS
<i>Hydrangea paniculata</i> 'Renhy' PP 20670 Vanilla Strawberry™ Hydrangea	Container - #7, #10	Creamy white, pink, red	10'	8'	\$1.30	



Koelreuteria (Goldenrain Tree)

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

Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched

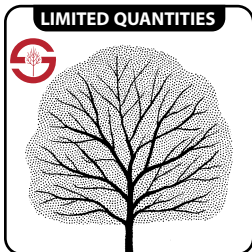
Container
3VL VigorLiner®
3RP VigorLiner®
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper



Goldenrain Tree

Koelreuteria paniculata 'JFS-Sunleaf'
Summerburst® Goldenrain Tree

Royalty \$1.25



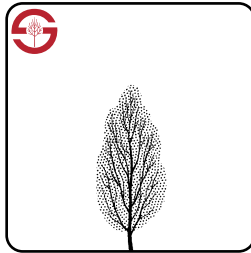
Zone: 5
Height: 30'
Spread: 30'
Shape: Rounded
Foliage: Pinnately compound, glossy dark green
Fall Color: Yellow
Flower: Bright yellow, in large clusters

Container
3VL VigorLiner®
#7 6 foot

Liquidambar (Sweetgum)

Liquidambar styraciflua 'Clydesform'
Emerald Sentinel® Sweetgum

Royalty \$1.25 | Part of the Sentinel® family of trees.

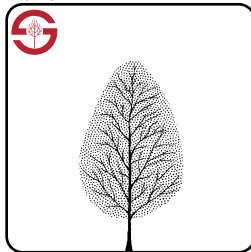


Zone: 5
Height: 30'
Spread: 12'
Shape: Narrowly pyramidal to columnar
Foliage: Dark green
Fall Color: Yellow orange to orange

Container
3RP VigorLiner®

Liquidambar styraciflua 'JFS KW1LS'
Firehouse® Sweetgum

Royalty \$2.00

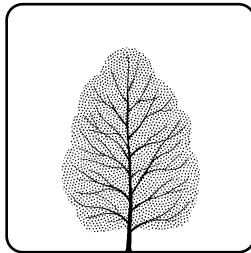


Zone: 6
Height: 50'
Spread: 25'
Shape: Pyramidal
Foliage: Dark green, lobed
Fall Color: Bright red
Fruit: Sparse

B & B
1" caliper
1¼" caliper
1½" caliper

Container
3RP VigorLiner®
#25 1¼" caliper
#25 1½" caliper
#25 1¾" caliper

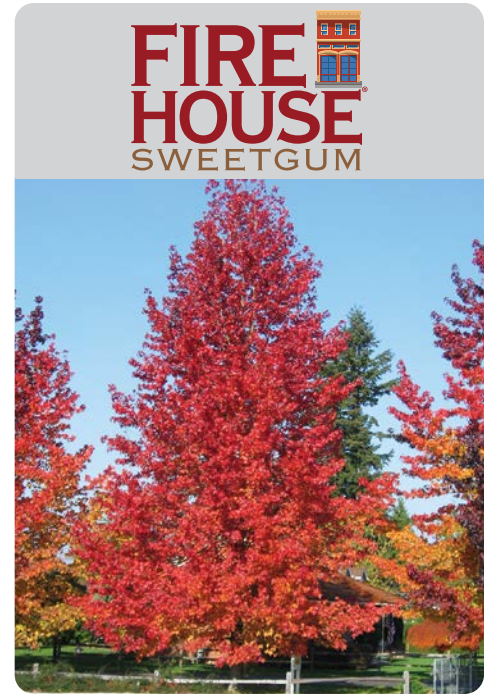
Liquidambar styraciflua 'Rotundiloba'
Rotundiloba Sweetgum



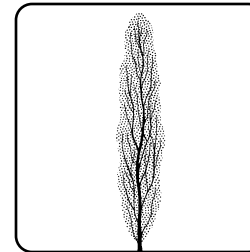
Zone: 5b
Height: 45'
Spread: 25'
Shape: Pyramidal
Foliage: Bright green, rounded lobes
Fall Color: Orange to purple
Fruit: Fruitless

B & B
1" caliper
1¼" caliper
1½" caliper
1¾" caliper

Container
3RP VigorLiner®
#20 1¼" caliper



Liquidambar styraciflua 'Slender Silhouette'
Slender Silhouette Sweetgum

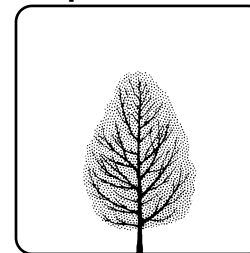


Zone: 5
Height: 60'
Spread: 8'
Shape: Tightly columnar
Foliage: Dark green
Fall Color: Orange to burgundy

B & B
1¼" caliper
1½" caliper

Container
3RP VigorLiner®
#7 6 foot
#20 1½" caliper
#25 1¾" caliper

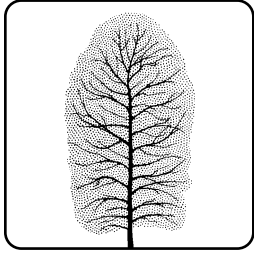
Liquidambar styraciflua 'Worplesdon'
Worplesdon Sweetgum



Zone: 6
Height: 40'
Spread: 25'
Shape: Broadly pyramidal to oval
Foliage: Green
Fall Color: Orange and purple

B & B
1¼" caliper
1½" caliper
1¾" caliper
2" caliper

Container
3VL VigorLiner®
3RP VigorLiner®
#25 1¾" caliper

Liriodendron (Tulip Tree)*Liriodendron tulipifera*
Tulip Tree

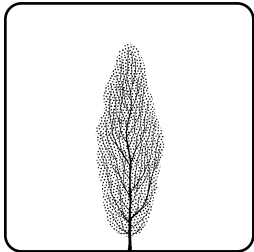
Zone: 5
Height: 60'
Spread: 30'
Shape: Oval
Foliage: Medium green
Fall Color: Bright, clear yellow
Flower: Yellow to greenish yellow with orange center

Bare Root

4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 6 ft., branched
 1" cal., branched

Container

#7 6 foot
 #10 1" caliper
 #15 1¼" caliper

Liriodendron tulipifera 'Fastigiatum'
Columnar Tulip Tree

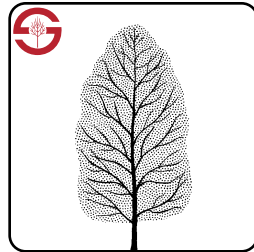
Zone: 5
Height: 50'
Spread: 15'
Shape: Tightly fastigate
Foliage: Medium green
Fall Color: Bright yellow
Flower: Yellow with orange center

Bare Root

5 ft., whip
 4 ft., branched
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Liriodendron tulipifera 'JFS-Oz'
Emerald City® Tulip Tree

Royalty \$1.75



Zone: 4b
Height: 55'
Spread: 25'
Shape: Upright oval, slightly compact
Foliage: Deep green, glossy
Fall Color: Bright, clear yellow
Flower: Yellow to greenish yellow with orange center

Bare Root

4 ft., whip
 5 ft., whip
 6 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched

Container

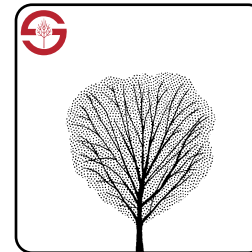
3RP VigorLiner®
 #3
 #5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper

Maackia*Maackia amurensis*
Amur Maackia

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

**MaacNificent® Maackia***Maackia amurensis* 'JFS-Schichtel1'**MaacNificent® Maackia**

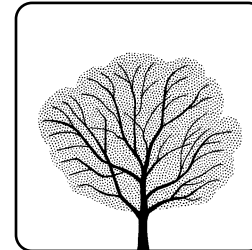
Royalty \$1.50



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

Bare Root

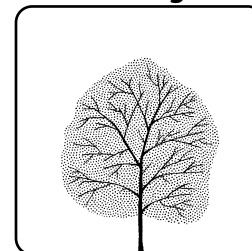
5 ft., branched
 6 ft., branched
 1" cal., branched

Maclura (Osage Orange)*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

Bare Root

5 ft., whip
 6 ft., whip
 7 ft., whip

Maclura pomifera 'Wichita'**Wichita Osage Orange**

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

Bare Root

6 ft., branched
 1" cal., branched
 1¼" cal., branched

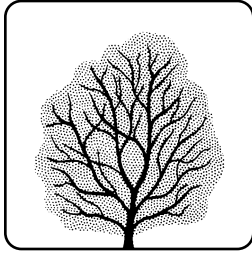
EMERALD CITY®
TULIP TREE

Glossy, deep green leaves grow on sturdy branches with strong, open angles. Choose superior shade and predictable performance with this refined, relatively compact and uniform selection of a popular native tree.

Leaves are deep green, slightly glossy and more refined than those of the species pictured above.

Magnolia

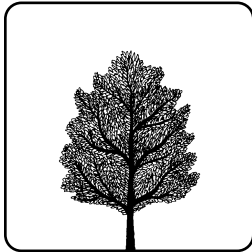
Magnolia x loebneri 'Ballerina'
Ballerina Magnolia



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

Container
3RP VigorLiner®, multi-stem #7 multi-stem

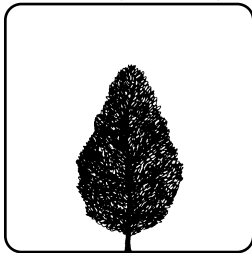
Magnolia grandiflora 'D.D. Blanchard'
D.D. Blanchard Magnolia



Zone: 6b
Height: 35'
Spread: 20'
Shape: Pyramidal
Foliage: Dark green, glossy
Fall Color: Evergreen
Flower: Large, creamy white

Container
3RP VigorLiner®

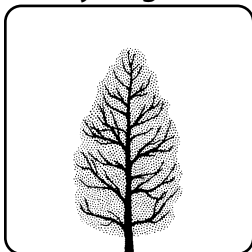
Magnolia grandiflora 'Edith Bogue'
Edith Bogue Magnolia



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

Container
3RP VigorLiner® #7 6 foot

Magnolia 'Galaxy'
Galaxy Magnolia



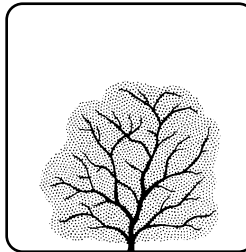
Zone: 5
Height: 30'
Spread: 15'
Shape: Pyramidal to oval
Foliage: Green
Flower: Reddish purple

B & B
1" caliper
1 1/4" caliper
1 1/2" caliper
Container
#7 6 foot



Mercury® Magnolia

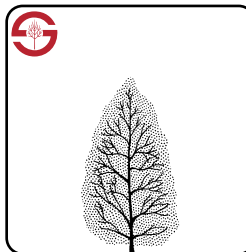
Magnolia x loebneri 'Leonard Messel'
Leonard Messel Magnolia



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

Container
#15 5 foot, multi-stem

Magnolia 'NCMX1' PP 29218
Mercury® Magnolia
Royalty \$1.75



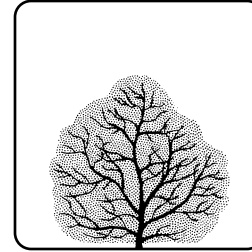
Zone: 5
Height: 25'
Spread: 15'
Shape: Upright pyramidal
Foliage: Dark green
Fall Color: Yellow
Flower: Bright lavender pink, fragrant

Container
3RP VigorLiner® #7 6 foot



Galaxy Magnolia

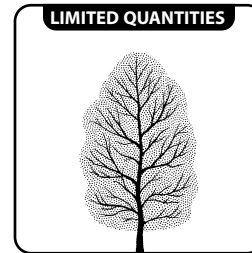
Magnolia x loebneri 'Merrill' ('Dr. Merrill')
Merrill Magnolia



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

Container
3RP VigorLiner®, multi-stem

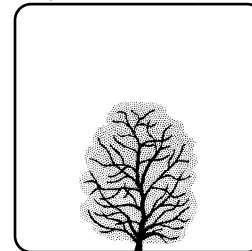
Magnolia virginiana 'Jim Wilson'
Moonglow® Magnolia
Royalty \$.90



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

Container
3RP VigorLiner®

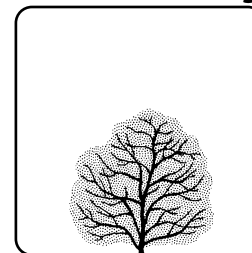
Magnolia stellata 'Royal Star'
Royal Star Magnolia



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

Container
3RP VigorLiner®, multi-stem

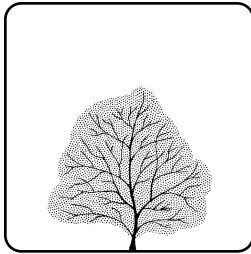
Magnolia x soulangeana 'Rustica Rubra'
Rustica Rubra Magnolia



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

Container
#7 6 foot
#15 1 1/4" caliper

Magnolia × loebneri 'Ruth' P.A.F.
Spring Welcome® Magnolia
 Royalty \$.80



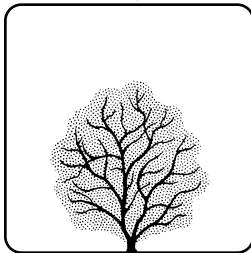
Zone: 3
Height: 20'
Spread: 20'
Shape: Dense oval to rounded
Foliage: Dark green
Fall Color: Yellow green to bronze
Flower: Pale pink in bud, opening to white

Container
 3RP VigorLiner®, multi-stem
 #7 multi-stem



Spring Welcome® Magnolia

Magnolia liliflora × stellata 'Susan'
Susan Magnolia

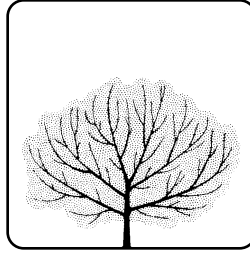


Zone: 4
Height: 10'
Spread: 10'
Shape: Upright spreading
Foliage: Medium green
Flower: Reddish-purple

Container
 #7 multi-stem
 #15 5 foot, multi-stem

Malus (Crabapple)

Malus 'Adams'
Adams Crabapple



Zone: 4
Height: 20'
Spread: 20'
Shape: Dense, rounded
Foliage: Green, with red tint in spring
Flower: Pink
Fruit: Red, 3/8", persistent

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

Bare Root
 5 ft., branched
 6 ft., branched
 7 ft., branched

Malus 'Adirondack'
Adirondack Crabapple



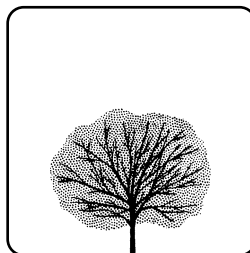
Zone: 4
Height: 18'
Spread: 10'
Shape: Densely upright, an inverted cone
Foliage: Medium green
Flower: White
Fruit: Bright red, 1/2"

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

Bare Root
 5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched

Container
 #7 6 foot

Malus 'Coralcole'
Coralburst® Crabapple
 Royalty \$.75



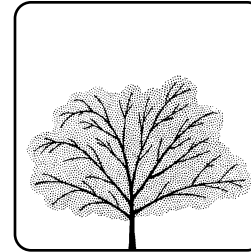
Zone: 4
Height: 15'
Spread: 15'
Shape: Compact, dense, round
Foliage: Dark green
Flower: Coral pink buds, double rose colored flowers
Fruit: Yellow-green, 3/8"-1/2"

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

Bare Root
 4' graft, #1 light head
 4' graft, #1 head
 4' graft, heavy select

Container
 #10 4' graft, #1 head

Malus 'Donald Wyman'
Donald Wyman Crabapple

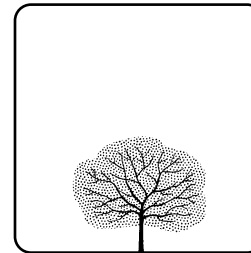


Zone: 4
Height: 20'
Spread: 24'
Shape: Rounded
Foliage: Green
Flower: White
Fruit: Red, 3/8", persistent

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

Bare Root
 3 ft., whip
 4 ft., whip
 5 ft., whip
 6 ft., branched
 7 ft., branched
 1" cal., branched

Malus sargentii 'Select A'
Firebird® Crabapple
 Royalty \$1.00



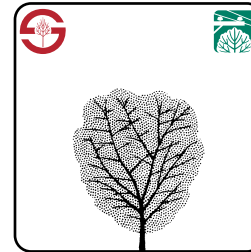
Zone: 4
Height: 8'
Spread: 10'
Shape: Rounded, spreading
Foliage: Dark green
Flower: White, opening from red buds
Fruit: Bright red, 3/8", persistent

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

Bare Root
 4' graft, #1 light head
 4' graft, #1 head
 4' graft, heavy select

Container
 #15 4' graft, #1 head

Malus 'Schmidtcutleaf'
Golden Raindrops® Crabapple
 Royalty \$1.25 | Part of the Raindrops™ family of trees.



Zone: 3
Height: 20'
Spread: 15'
Shape: Upright vase
Foliage: Green, deeply cut
Flower: White
Fruit: Golden yellow, 1/4"

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

Bare Root
 5 ft., branched
 6 ft., branched
 7 ft., branched

Container
 #10 1" caliper
 #15 1 1/4" caliper
 #20 1 1/2" caliper
 #25 1 3/4" caliper

Malus (Apple, semi-dwarf)

Braeburn, Fuji, Gala, Golden Delicious, Granny Smith, Gravenstein, McIntosh, Red Delicious	Each
Container #7	
Honeycrisp, Pink Lady	Each
Container #7	
3-in-1	Each
Container #7	
4-in-1	Each
Container #7	

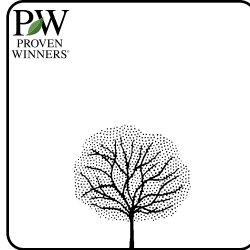
For more information on our fruit trees, including rootstocks, see page 79 or visit www.jfss.co/fruit



Golden Raindrops® Crabapple

Malus 'Lollizam'
Lollipop® Crabapple

Royalty \$2.50



Zone: 4
Height: 10'
Spread: 10'
Shape: Round, compact
Foliage: Green
Flower: White
Fruit: Bright red, 3/8"

DISEASE RESISTANCE:

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

Bare Root

4' graft, #1 light head
4' graft, #1 head
4' graft, heavy select

Container

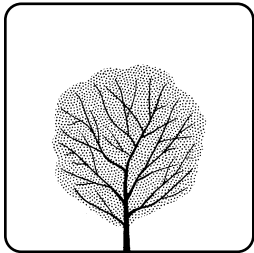
#10 4' graft, #1 head



Marilee® Crabapple

Malus 'Hargozam'
Harvest Gold® Crabapple

Royalty \$.75



Zone: 4
Height: 22'
Spread: 18'
Shape: Upright oval
Foliage: Dark green
Flower: White
Fruit: Yellow, 1/2", persistent

DISEASE RESISTANCE:

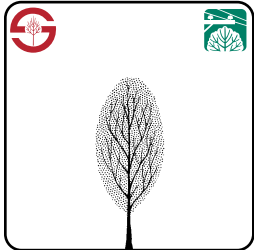
Scab: Fair **Fireblight:** Fair
Cedar-Apple Rust: Good **Mildew:** Good

Bare Root

6 ft., branched
7 ft., branched
1" cal., branched

Malus 'JFS KW214MX' PP 31076
Ivory Spear® Crabapple

Royalty \$2.00 | Part of the Spear® family of trees.



Zone: 4
Height: 18'
Spread: 7'
Shape: Narrow, tightly columnar
Foliage: Dark green
Flower: White
Fruit: Bright red, 1/2"

DISEASE RESISTANCE:

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

Bare Root

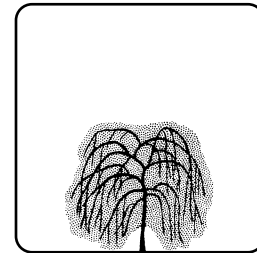
5/8" cal., branched
5 ft., branched
3/4" cal., branched
1" cal., branched
1 1/4" cal., branched
1 1/2" cal., branched

Container

#10 1" caliper
#15 1 1/4" caliper
#20 1 1/2" caliper



Malus 'Louisa'
Louisa Crabapple



Zone: 4
Height: 10'
Spread: 12'
Shape: Weeping
Foliage: Dark green, glossy
Flower: True pink
Fruit: Yellow, 3/8"

DISEASE RESISTANCE:

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

Bare Root

#1 light head
#1 head

Container

#10 #1 head

Malus 'Jarmin'
Marilee® Crabapple

Royalty \$1.00



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.

Bare Root

6 ft., whip
6 ft., branched
7 ft., branched
1" cal., branched
1 1/4" cal., branched

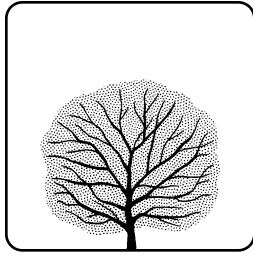
Container

#10 1" caliper
#15 1 1/4" caliper
#20 1 1/2" caliper

NAME	SIZE		SHAPE	FOLIAGE	FLOWER	FRUIT	DISEASE RESISTANCE			
	H	W					SCAB	FIRE-BLIGHT	CEDAR-APPLE RUST	MILDEW
Adams	20'	20'	Dense, rounded	Green with reddish tint in spring	Deep pink buds open to pink blooms, single	Red, 5/8" persistent	Good	Excel.	Excel.	Good
Adirondack	18'	10'	Densely upright, inverted cone	Medium green	White	Bright red, 1/2"	Excel.	Excel.	Excel.	Excel.
Coralburst®	15'	15'	Compact, dense, rounded	Dark green	Coral pink buds, double rose colored flowers	Bronze, 1/2"	Fair	Excel.	Excel.	Excel.
Donald Wyman	20'	24'	Rounded	Medium green, glossy and clean	Single, white	Bright red, 3/8", abundant, persistent	Good	Fair	Excel.	Good
Firebird®	8'	10'	Rounded, spreading	Dark green	White, opening from red buds	Bright red, 3/8" persistent	Excel.	Excel.	Excel.	Excel.
Golden Raindrops®	20'	15'	Upright, vase shaped	Green, deeply cut	Delicate and starlike, white, profuse	Golden yellow and tiny, 1/4"	Excel.	Poor	Excel.	Excel.
Harvest Gold®	22'	18'	Upright oval	Dark green	White	Yellow, 1/2", persistent	Fair	Fair	Good	Good
Ivory Spear®	18'	7'	Narrow, tightly columnar	Dark green	White	Bright red, 1/2"	Excel.	Excel.	Excel.	Excel.
Lollipop®	10'	10'	Round, compact	Green	White	Bright red, 3/8"	Good	Good	Excel.	Excel.
Louisa	10'	12'	Weeping	Dark green, glossy	True pink	Yellow, 3/8"	Excel.	Good	Good	Good
Marilee®	24'	10'	Narrow upright, inverted cone	Medium green	Double, large white	Virtually fruitless	Good	Good	Good	Excel.
Perfect Purple	20'	20'	Rounded	Deep purple	Deep pink to rose red	Purple red, 1/2"	Fair	Fair	Good	Excel.
Prairie Rose	20'	18'	Rounded	Medium green	Double, deep pink, fragrant	Usually fruitless	Good	Fair	Poor	Good
Prairifire	20'	20'	Upright, spreading, becoming rounded	Red-maroon, aging reddish green	Crimson buds, bright pinkish red, single flowers	Dark red, 3/8"-1/2", persistent	Excel.	Good	Excel.	Excel.
Purple Prince	20'	20'	Rounded	Purple, becoming bronze green	Rose red	Maroon, 3/8"-1/2"	Excel.	Good	Excel.	Good
Radiant	25'	20'	Broad, rounded crown	Red-purple when young, maturing to green.	Deep red buds, single deep pink flowers	Bright red, 1/2"	Poor	Excel.	Good	Fair
Raspberry Spear®	20'	8'	Narrow upright column	Purple	Magenta pink	Maroon to deep red, 1/2", persistent	Excel.	Excel.	Excel.	Excel.
Red Barron	18'	8'	Narrow, columnar	Reddish-purple, maturing to bronze-green	Dark red, single	Dark red, 1/2"	Fair	Good	Excel.	Excel.
Red Jewel™	15'	12'	Upright and pyramidal	Green	Pure white, single	Brilliant red, 1/2", persistent	Good	Fair	Excel.	Good
Rejoice™	20'	18'	Narrow, upright oval	Bronze green	Pale rose-pink	Deep red, 1/2"	Good	Good	Good	Excel.
Royal Raindrops®	20'	15'	Upright, spreading	Purple, cutleaf	Bright pinkish-red	Red, 1/4", persistent	Excel.	Good	Excel.	Good
Ruby Dayze®	22'	16'	Upright, tightly oval	Purple red, becoming bronze	Bright magenta-pink	Deep red, 1/4"	Excel.	Excel.	Excel.	Excel.
Sargent	8'	12'	Low, horizontally spreading dwarf	Dark green	Profuse, single, white, 1/2", fragrant	Small, 1/4"-1/8", profuse, dark red, persistent	Excel.	Excel.	Excel.	Excel.
Sargent Tina	5'	6'	Small rounded dwarf tree	Medium green, small leaves	Bright red buds opening to single white flowers	Bright red, 1/4"	Excel.	Good	Excel.	Excel.
Show Time™	22'	20'	Broadly oval to rounded	Purple bronze to bronze green	Bright pinkish red	Red, 1/2"	Fair	Good	Good	Excel.
Snowdrift	20'	20'	Upright spreading, rounded and dense	Bright green, glossy	Buds pink, flowers single, white.	Orange, small, less than 3/8", persistent	Good	Fair	Excel.	Excel.
Snow Crystal™	15'	12'	Pyramidal, compact	Dark green	Single bright white, opening from pink buds	Yellow to golden orange, 1/4"	Excel.	Excel.	Excel.	Excel.
Sparkling Sprite®	12'	12'	Compact, dense, round	Bright green	White, opening from pink buds	Yellow to golden orange, 1/4"	Excel.	Excel.	Excel.	Excel.
Spring Snow	25'	22'	Dense, oval	Medium green	Pure white, fragrant, single	Nearly sterile. Excellent for patios & courtyards.	Poor	Fair	Good	Excel.
Sugar Tyme®	18'	15'	Upright spreading, oval	Green	Pale pink buds, white, single flowers	Red, 1/2", persistent	Good	Good	Excel.	Excel.
Zumi Calocarpa	20'	24'	Rounded, gracefully spreading	Large green leaves, dense canopy	Buds red, flowers white, single, fragrant, 1 1/4"	Bright red, glossy, small, 3/8", persistent	Excel.	Excel.	Excel.	Good

Malus 'Perfect Purple'

Perfect Purple Crabapple



Zone: 4
Height: 20'
Spread: 20'
Shape: Rounded
Foliage: Deep purple
Fall Color: Purple
Flower: Deep pink to rose red
Fruit: Purple red, 1/2"

DISEASE RESISTANCE:

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

Bare Root

4 ft., branched
5 ft., branched
6 ft., branched
7 ft., branched
1" cal., branched
1 1/4" cal., branched

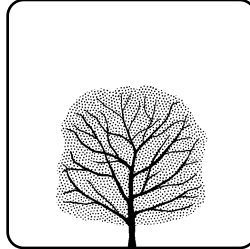
Container

#7 6 foot
#10 1" caliper
#15 1 1/4" caliper
#20 1 1/2" caliper
#20 1 3/4" caliper



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

Bare Root

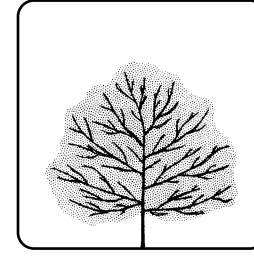
6 ft., whip
4 ft., branched
5 ft., branched
6 ft., branched
7 ft., branched

Container

#10 1" caliper
#15 1 1/4" caliper

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, 3/8"-1/2"

DISEASE RESISTANCE:

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

Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
5 ft., branched
6 ft., branched
7 ft., branched
1" cal., branched
1 1/4" cal., branched
2 foot, multi-stem
3 foot, multi-stem

Container

#7 6 foot
#10 1" caliper
#15 1 1/4" caliper
#20 1 1/2" caliper

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 that is 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*.

**Right
Root®
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**.

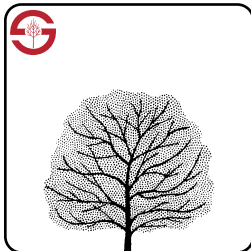
In addition to having the lowest number of basal suckers in our tests, trees grown on RightRoot® understocks have better anchorage and vigorous growth rate. Additional reasons to choose this improved understock include:

- Extremely cold hardy
- Growth rate is close to that of domestic
- Produces a faster growing tree than EMLA 111
- Resists collar rot
- 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



Purple Prince Crabapple

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:** Good

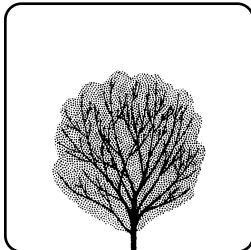
Bare Root

5 ft., whip
 6 ft., whip
 5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched
 1 1/4" cal., branched
 1 1/2" cal., branched

Container

#7 6 foot
 #10 1" caliper
 #15 1 1/4" caliper
 #20 1 1/2" caliper
 #25 1 3/4" caliper

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

Bare Root

5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched
 1 1/4" cal., branched
 1 1/2" cal., branched

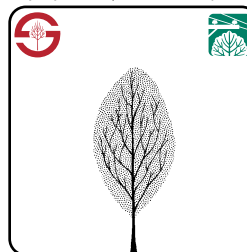
Container

#5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1 1/4" caliper
 #20 1 1/2" caliper
 #25 1 3/4" caliper

Malus 'JFS KW213MX' PP 31008

Raspberry Spear® Crabapple

Royalty \$2.00 | Part of the Spear® family of trees.



Zone: 4
Height: 20'
Spread: 8'
Shape: Narrow upright column
Foliage: Purple
Flower: Magenta pink
Fruit: Maroon to deep red, 1/2", persistent

DISEASE RESISTANCE:

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

Bare Root

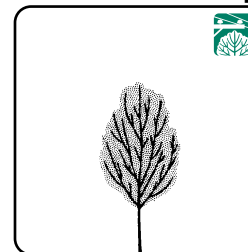
4 ft., whip
 5 ft., whip
 6 ft., whip
 7/8" cal., branched
 1" cal., branched
 1 1/4" cal., branched
 1 1/2" cal., branched
 1 3/4" cal., branched
 6 ft., low branch
 1" cal., low branch
 1 1/4" cal., low branch

Container

#10 1" caliper
 #15 1 1/4" caliper
 #20 1 1/2" caliper
 #25 2" caliper



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.

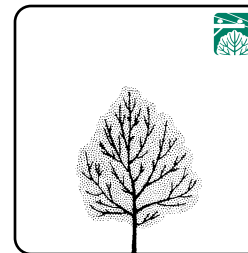
Bare Root

5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched

Malus 'Jewelcole'

Red Jewel™ Crabapple

Royalty .75



Zone: 4
Height: 15'
Spread: 12'
Shape: Upright, pyramidal
Foliage: Green
Flower: White
Fruit: Red, 1/2", very persistent

DISEASE RESISTANCE:

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

Bare Root

5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched

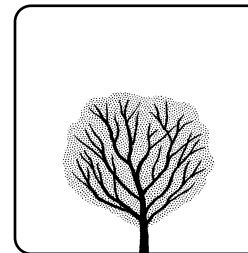
Container

#15 1 1/4" caliper
 #20 1 1/2" caliper
 #25 1 3/4" caliper

Malus 'Reizam'

Rejoice™ Crabapple

Royalty \$.75



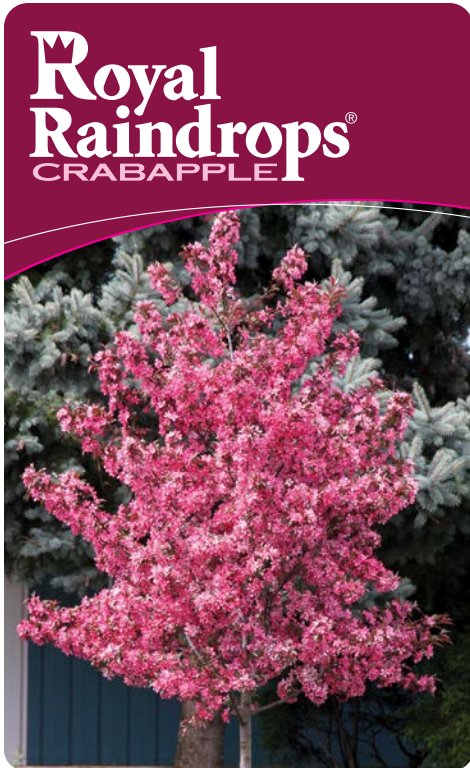
Zone: 4
Height: 20'
Spread: 18'
Shape: Rounded
Foliage: Bronze green
Flower: Pale rose-pink
Fruit: Deep red, 1/2"

DISEASE RESISTANCE:

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

Bare Root

5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched



Royal Raindrops®
CRABAPPLE

Malus 'JFS-KW5' PP 14375

Royal Raindrops® Crabapple

Royalty \$2.00 | Part of the Raindrops™ family of trees.



Zone: 4
Height: 20'
Spread: 15'
Shape: Upright spreading
Foliage: Purple, cutleaf
Fall Color: Orange-red
Flower: Bright pinkish red
Fruit: Red, 1/4", persistent

DISEASE RESISTANCE:

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

Bare Root

- 3 ft., whip
- 4 ft., whip
- 5 ft., whip
- 5 ft., branched
- 6 ft., branched
- 7 ft., branched
- 1" cal., branched
- 1 1/4" cal., branched
- 3 foot, multi-stem
- 4 foot, multi-stem
- 5 foot, multi-stem
- 6 foot, multi-stem

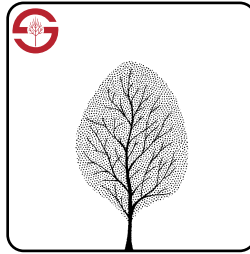
Container

- 3RP VigorLiner®
- #5 5 foot
- #7 6 foot
- #10 1" caliper
- #15 1 1/4" caliper
- #20 1 1/2" caliper
- #25 1 3/4" caliper
- #25 2" caliper
- #7 multi-stem

Malus 'JFS KW139MX' PP 31232

Ruby Dayze® Crabapple

Royalty \$2.00 | Part of the Dayze™ family of trees.



Zone: 4
Height: 22'
Spread: 16'
Shape: Upright, tightly oval
Foliage: Purple red, becoming bronze
Fall Color: Orange-red
Flower: Bright magenta-pink
Fruit: Deep red, 1/4"

DISEASE RESISTANCE:

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

Bare Root

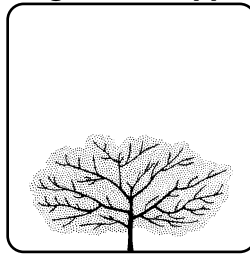
- 5 ft., branched
- 6 ft., branched
- 7 ft., branched
- 1" cal., branched

Container

- #7 6 foot
- #10 1" caliper

Malus sargentii

Sargent Crabapple



Zone: 5
Height: 8'
Spread: 12'
Shape: Low, spreading
Foliage: Dark green
Flower: White
Fruit: Bright red, 1/4", persistent

DISEASE RESISTANCE:

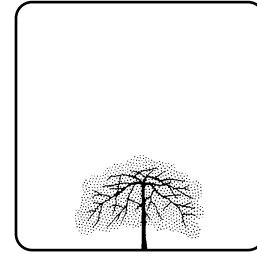
Scab: Excel. **Fireblight:** Excel.
Cedar-Apple Rust: Excel. **Mildew:** Excel.

Bare Root

- 4 ft., branched
- 5 ft., branched
- 3/4" cal., branched
- 1" cal., branched
- 1 1/4" cal., branched
- 3 foot, multi-stem
- 4 foot, multi-stem

Malus sargentii 'Tina'

Sargent Tina Crabapple



Zone: 5
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, 1/4"

DISEASE RESISTANCE:

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

Bare Root

- 4' graft, #1 light head
- 4' graft, #1 head
- 4' graft, heavy select

Container

- #10 4' graft, #1 head
- #15 4' graft, #1 head
- #20 4' graft, heavy select

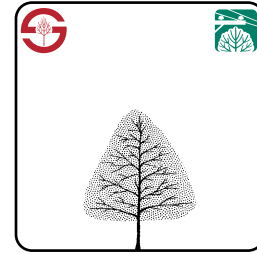


Snow Crystal®
Crabapple

Malus 'JFS KW218MX' PP 34356

Snow Crystal® Crabapple

Royalty \$2.00



Zone: 4
Height: 15'
Spread: 12'
Shape: Pyramidal, compact
Foliage: Dark green
Flower: Single bright white, opening from pink buds
Fruit: Yellow to golden orange, 1/4"

DISEASE RESISTANCE:

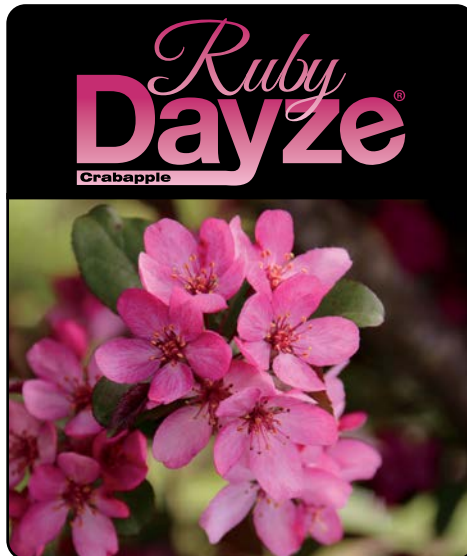
Scab: Excel. **Fireblight:** Excel.
Cedar-Apple Rust: Excel. **Mildew:** Excel.

Bare Root

- 5/8" cal., branched
- 3/4" cal., branched
- 7/8" cal., branched

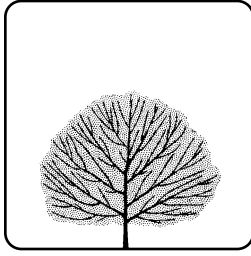
Container

- #3
- #7 6 foot



Ruby Dayze®
Crabapple

Malus 'Snowdrift'

Snowdrift Crabapple

Zone: 4
Height: 20'
Spread: 20'
Shape: Upright, spreading, rounded, dense
Foliage: Green, glossy
Flower: White
Fruit: Orange, 3/8", persistent

DISEASE RESISTANCE:

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

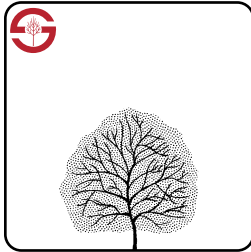
Bare Root

6 ft., branched
 7 ft., branched
 1" cal., branched

Malus 'JFS-KW207' PP 27954

Sparkling Sprite® Crabapple

Royalty \$2.00 | Part of the Sprite™ family of trees.



Zone: 4
Height: 12'
Spread: 12'
Shape: Compact, dense, round
Foliage: Bright green
Flower: White opening from pink buds
Fruit: Yellow to golden orange, 1/4", persistent

DISEASE RESISTANCE:

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

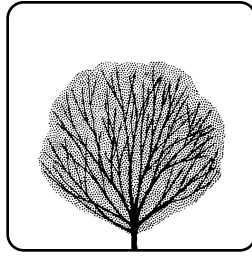
Bare Root

4' graft, Heavy Select
 4' graft, #1 head
 4' graft, #1 light head

Container

#10 4' graft, #1 light head
 #15 4' graft, #1 head
 #25 4' graft, #1 head
 #20 4' graft, heavy select

Malus 'Spring Snow'

Spring Snow Crabapple

Zone: 4
Height: 25'
Spread: 22'
Shape: Dense, oval
Foliage: Medium green
Flower: White
Fruit: None

DISEASE RESISTANCE:

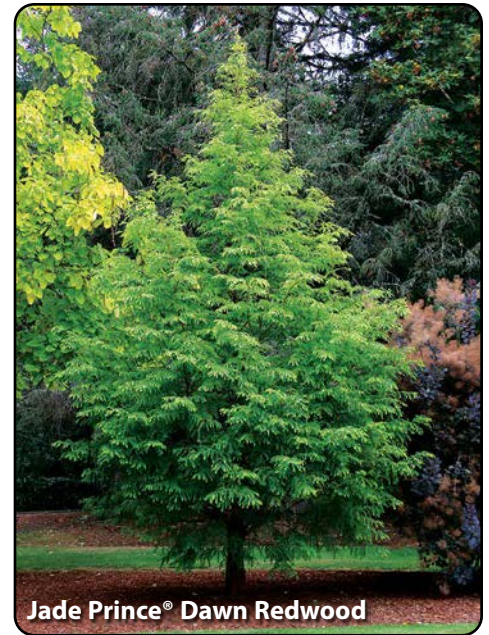
Scab: Poor **Fireblight:** Fair
Cedar-Apple Rust: Good **Mildew:** Excel.

Bare Root

4 ft., branched
 5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched
 1 1/4" cal., branched
 1 1/2" cal., branched

Container

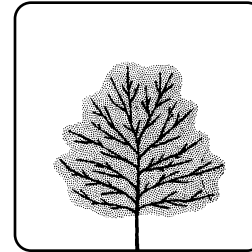
#7 6 foot
 #10 1" caliper
 #15 1 1/4" caliper
 #20 1 1/2" caliper
 #25 1 3/4" caliper
 #25 2" caliper

**Spring Snow Crabapple****Jade Prince® Dawn Redwood**

Malus 'Sutyzam'

Sugar Tyme® Crabapple

Royalty \$.80



Zone: 4
Height: 18'
Spread: 15'
Shape: Upright, spreading, oval
Foliage: Green
Flower: White
Fruit: Red, 1/2", persistent

DISEASE RESISTANCE:

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

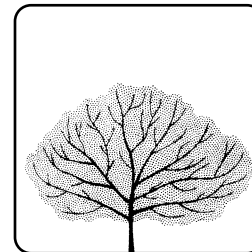
Bare Root

4 ft., whip
 5 ft., whip
 6 ft., whip
 5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched

Container

#10 1" caliper

Malus x zumi 'Calocarpa'

Zumi Calocarpa Crabapple

Zone: 5
Height: 20'
Spread: 24'
Shape: Rounded, gracefully spreading
Foliage: Green
Flower: Red buds, white flowers
Fruit: Red, 3/8", persistent

DISEASE RESISTANCE:

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

Bare Root

6 ft., branched
 7 ft., branched
 1" cal., branched

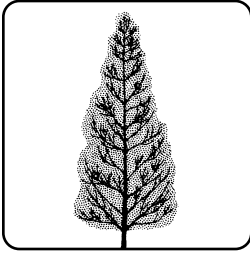
**Sparkling
 Sprite®
 CRABAPPLE**

Fragrant clouds of long lasting flowers smother the densely branched, naturally topiary-shaped canopy of this carefree tree. Tiny fruits attract songbirds and last well into winter.



Metasequoia (Dawn Redwood)

Metasequoia glyptostroboides
Dawn Redwood



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

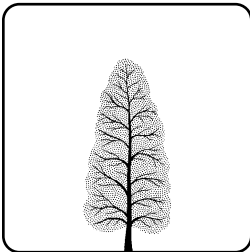
Bare Root

4 ft., branched
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container

3VL VigorLiner®
3RP VigorLiner®

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

Container

3VL VigorLiner®

Metasequoia glyptostroboides 'JFS-PN3Legacy'
Jade Prince® Dawn Redwood

Royalty \$1.50



Zone: 5
Height: 70'
Spread: 25'
Shape: Upright, pyramidal
Foliage: Bright green, deciduous needles
Fall Color: Rusty orange

Bare Root

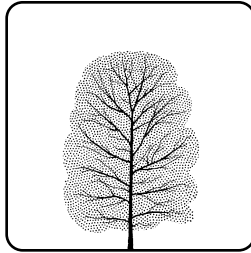
3 ft., branched
4 ft., branched
5 ft., branched

Container

3VL VigorLiner®
3RP VigorLiner®

Nyssa (Tupelo)

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

B & B

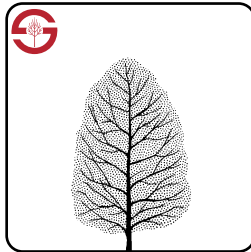
1" caliper
1¼" caliper
1½" caliper
1¾" caliper

Container

3RP VigorLiner®
#7 6 foot

Nyssa sylvatica 'David Odom'
Afterburner® Tupelo

Royalty \$1.75



Zone: 5
Height: 35'
Spread: 20'
Shape: Upright pyramidal to oval
Foliage: Bright green, glossy
Fall Color: Bright red
Fruit: Blue-black, ⅜"

Root Bag

4 ft., whip
5 ft., whip
6 ft., whip
4 ft., branched
5 ft., branched
6 ft., branched

B & B

1" caliper
1¼" caliper
1½" caliper

Container

3VL VigorLiner®
#7 6 foot
#25 1½" caliper

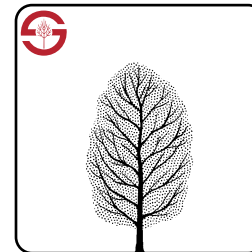


Firestarter® Tupelo

Nyssa sylvatica 'JFS-red' PP 26975

Firestarter® Tupelo

Royalty \$1.75



Zone: 5
Height: 35'
Spread: 18'
Shape: Narrow oval to upright oval
Foliage: Dark green
Fall Color: Bright red
Fruit: Seedless

Root Bag

3 ft., whip
4 ft., whip
5 ft., whip
4 ft., branched
5 ft., branched
6 ft., branched

B & B

6 foot,
1" caliper
1¼" caliper
1½" caliper
1¾" caliper

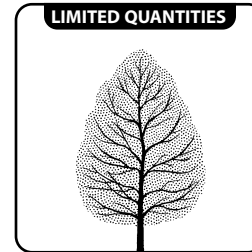
Container

3VL VigorLiner®
#7 6 foot
#20 1" caliper
#20 1¼" caliper

Nyssa sylvatica 'NSUHH' PP 22951

Green Gable™ Tupelo

Royalty \$1.85



Zone: 5
Height: 40'
Spread: 25'
Shape: Pyramidal to broadly pyramidal
Foliage: Dark green, glossy
Fall Color: Orange red to red
Fruit: Seedless

DISEASE RESISTANCE: Leaf spot

B & B

1¼" caliper
1½" caliper
1¾" caliper

Container

3VL VigorLiner®



Afterburner® Tupelo

Discount Opportunities

Please note that container and VigorLiner® orders qualify for different discounts than bare root, B & B, and root bag orders. See page 87 for details.

Nyssa sylvatica 'Haymanred'

Red Rage® Tupelo

Royalty \$1.75

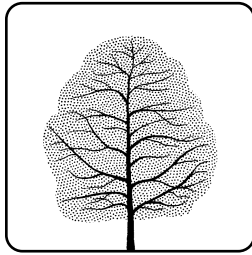


Zone: 5
Height: 35'
Spread: 20'
Shape: Broadly pyramidal
Foliage: Dark green, glossy
Fall Color: Bright red
Fruit: Seedless

DISEASE RESISTANCE: Leaf spot

Container
 3VL VigorLiner®
 #15 1" caliper

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

B & B

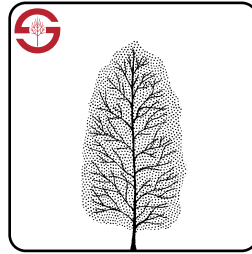
1" caliper
 1¼" caliper
 1½" caliper

Container
 3VL VigorLiner®
 #25 1½" caliper

Ostrya virginiana 'JFS-KW5'

Autumn Treasure® Hophornbeam

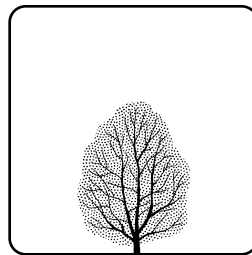
Royalty \$1.75



Zone: 4
Height: 40'
Spread: 20'
Shape: Upright pyramidal to oval
Foliage: Dark green
Fall Color: Golden yellow
Fruit: Attractive, hop-like, papery chains

Bare Root
 5 ft., branched
 6 ft., branched
 1" cal., branched

Container
 #10 6 foot

Oxydendrum (Sourwood)Oxydendrum 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

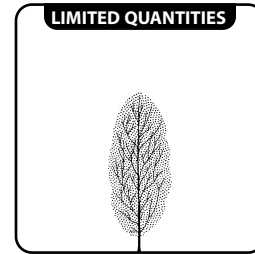
Container
 3RP VigorLiner®
 #7 6 foot
 #15 1¼" caliper

**Persian Spire™ Parrotia****Vanessa Parrotia****Parrotia**

Parrotia persica 'Chrishaven1' PP 28584

Golden BellTower™ Parrotia

Royalty: \$1.00



Zone: 4
Height: 30'
Spread: 12'
Shape: Columnar to upright oval
Foliage: Green, textured
Fall Color: Golden to apricot orange

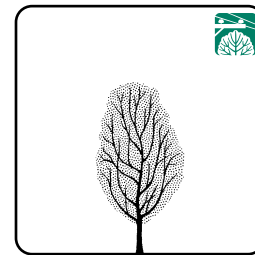
A slender tower of elegantly textured green leaves turns golden yellow in autumn. This unusually narrow cultivar has a storm-resistant branch structure. Adaptability to varied soils and excellent disease resistance make it a top pick for urban settings where a low maintenance, columnar tree is needed.

Bare Root
 6 ft., branched
 1" cal., branched
 1¼" cal., branched

Parrotia persica 'JLColumnar' PP 24951

Persian Spire™ Parrotia

Royalty \$.85



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

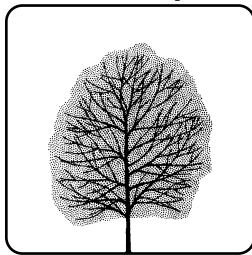
Bare Root
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched

B & B
 1" caliper
 1¼" caliper
 1½" caliper

Container
 3VL VigorLiner®
 #7 6 foot
 #10 multi-stem

Ostrya (Hophornbeam)

Ostrya virginiana

American Hophornbeam

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

Bare Root
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container
 #10 1" caliper

Discount Opportunities

Please note that container and VigorLiner® orders qualify for different discounts than bare root, B & B, and root bag orders. See page 87 for details.

Parrotia persica 'Inge's Ruby Vase'
Ruby Vase® Parrotia

Royalty \$1.00



Zone: 5
Height: 28'
Spread: 16'
Shape: Upright narrow vase
Foliage: Dark green; red new growth
Fall Color: Orange-red
Flower: Showy red stamens

Bare Root

5 ft., whip
6 ft., whip
5 ft., branched
6 ft., branched

B & B

1¼" caliper
1½" caliper
1¾" caliper

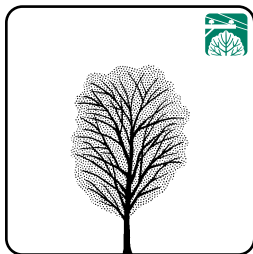
Container

3VL VigorLiner®
#20 1½" caliper
#25 1¾" caliper



Golden BellTower™ Parrotia

Parrotia persica 'Vanessa'
Vanessa Parrotia



Zone: 5
Height: 28'
Spread: 14'
Shape: Upright, tight vase
Foliage: Green, textured
Fall Color: Orange-red
Flower: Showy red stamens

Bare Root

6 ft., branched
1" cal., branched

B & B

1¼" caliper
1½" caliper

Container

3VL VigorLiner®
#10 6 foot
#25 1¾" caliper

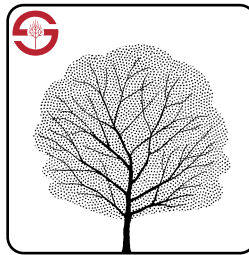


Eye Stopper™ Cork Tree

Phellodendron (Cork Tree)

Phellodendron amurense 'Longenecker'
Eye Stopper™ Cork Tree

Royalty \$1.00



Zone: 4
Height: 40'
Spread: 35'
Shape: Upright, then spreading, rounded crown
Foliage: Medium green
Fall Color: Bright yellow
Fruit: Generally seedless

Bare Root

1" cal., branched
1¼" cal., branched
1½" cal., branched

Picea (Spruce)

Picea pungens 'Baby Blue Eyes'

Baby Blue Eyes Spruce



Zone: 4
Height: 25'
Spread: 15'
Shape: Broadly pyramidal
Foliage: Blue-green needles

B & B

4 foot

Container

#10 3 foot
#15 3 foot

Picea pungens 'Bakeri'

Bakeri Blue Spruce



Zone: 2
Height: 40'
Spread: 20'
Shape: Pyramidal
Foliage: Silvery blue needles

B & B

4 foot
5 foot

Picea glauca var. *densata*

Black Hills Spruce



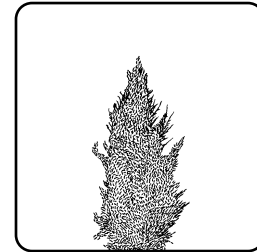
Zone: 3
Height: 30'
Spread: 20'
Shape: Broadly pyramidal
Foliage: Bluish-green needles

B & B

4 foot

Picea omorika 'Bruns'

Bruns Serbian Spruce



Zone: 4
Height: 30'
Spread: 15'
Shape: Narrowly pyramidal
Foliage: Glossy blue green, silvery undersides

NEW 2024

Symmetrical branches of glossy blue green needles tip upward at the ends to form a narrow pyramid. Widely adaptable to heat, cold, humidity and a broad range of pH soils. Popular and widely planted since introduced by H. Brunts Nursery of Germany in 1955.

B & B

4 foot
5 foot

Container

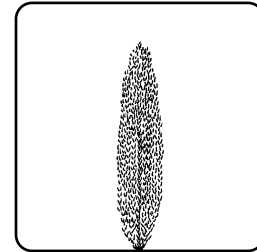
#15 4 foot
#20 5 foot



Brunts Serbian Spruce

Picea abies 'Cupressina'

Columnar Norway Spruce



Zone: 4
Height: 30'
Spread: 10'
Shape: Columnar
Foliage: Dark bluish-green

NEW 2024

Tightly columnar form and deep bluish green foliage present a landscape exclamation point when planted solo. Trees planted in groups or hedges create handsome visual screens. Stiff, short needles and strong branch attachment make it a durable choice for snow country.

B & B

4 foot
5 foot

Container

#15 4 foot
#15 5 foot

Picea pungens 'Fat Albert'**Fat Albert Blue Spruce**

Zone: 2
Height: 15'
Spread: 12'
Shape: More broadly pyramidal
Foliage: Silvery-blue needles

B & B
 4 foot,
 5 foot,

Container
 #15 4 foot

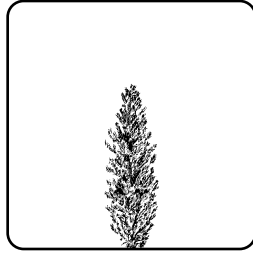
Picea pungens 'Globosa'**Globe Blue Spruce**

Zone: 2
Height: 3'
Spread: 4'
Shape: Rounded, compact
Foliage: Silvery blue needles

B & B
 4 foot, low graft



Vanderwolf's Pyramid Pine

Pinus strobus 'Fastigiata'**Fastigate White Pine**

Zone: 4
Height: 30'
Spread: 10'
Shape: Columnar, fastigate
Foliage: Bluish green needles

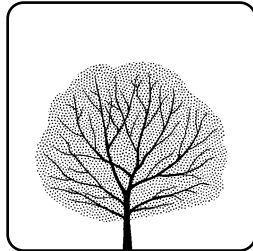
B & B
 4 foot
 5 foot

Pinus flexilis 'Vanderwolf's Pyramid'**Vanderwolf's Pyramid Pine**

Zone: 5
Height: 40'
Spread: 20'
Shape: Pyramidal
Foliage: Blue-green needles

B & B
 4 foot
 5 foot
 6 foot

Container
 #15 4 foot
 #25 5 foot

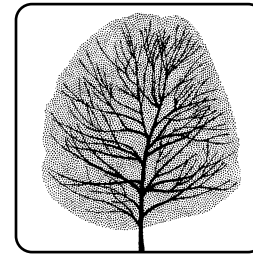
Pistache*Pistacia chinensis***Chinese Pistache**

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

Container
 3RP VigorLiner®



Exclamation!® Planetree

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

DISEASE RESISTANCE: Anthracnose**Bare Root**

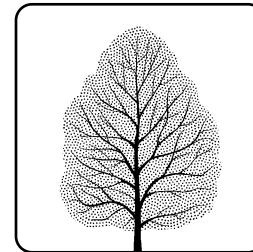
4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 9 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched
 2" cal., branched

Container

#7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper

Platanus × acerifolia 'Morton Circle'**Exclamation!® Planetree**

Royalty \$1.00



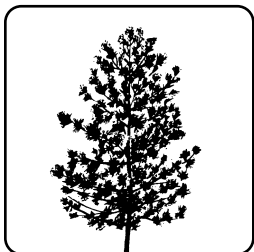
Zone: 5
Height: 55'
Spread: 35'
Shape: Upright pyramidal
Foliage: Medium green
Fall Color: Yellow

DISEASE RESISTANCE: Anthracnose and powdery mildew**Bare Root**

5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched
 2" cal., branched

Container

#5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper

Pinus (Pine)*Pinus nigra***Austrian Pine**

Zone: 4
Height: 55'
Spread: 30'
Shape: Broadly pyramidal to rounded
Foliage: Dark green needles, in pairs

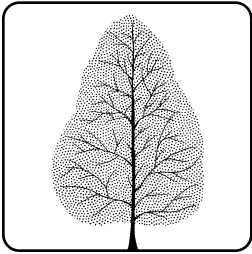
B & B
 4 foot,
 5 foot,

Container
 #15 3 foot
 #15 4 foot
 #20 5 foot

Platanus x acerifolia 'Morton Naper'
Monumental™ Planetree

New '23

Royalty \$1.00



Zone: 4
Height: 60'
Spread: 45'
Shape: Broadly pyramidal
Foliage: Green
Fall Color: Yellow

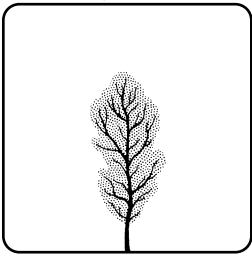
DISEASE RESISTANCE: Anthracnose
Upright branches radiate at 45-60° angles from a strong and straight central stem and leader, forming a dense, symmetrical broadly pyramidal canopy. Clean, green, disease resistant foliage turns yellow before falling in autumn to reveal the bright, light grey bark of branches and trunk.

Bare Root
6 ft., branched
1" cal., branched

Container
#7 6 foot

Populus (Aspen)

Populus tremuloides
Quaking Aspen



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

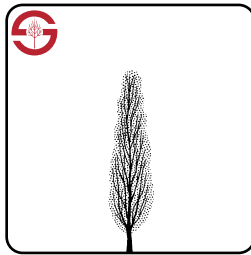
Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
9 ft., whip
1" cal., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container
#3
#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#5 clump
#7 clump
#10 clump
#15 8 foot, clump
#20 9 foot, clump
#25 10 foot, clump



Populus tremuloides 'JFS-Column'
Mountain Sentinel® Aspen

Royalty \$1.50 | Part of the Sentinel® family of trees.

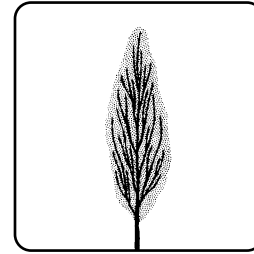


Zone: 3
Height: 35'
Spread: 8'
Shape: Narrow, fastigate
Foliage: Green, trembles in breeze
Fall Color: Yellow
Fruit: Seedless

Bare Root
6 ft., whip
7 ft., whip
8 ft., whip
9 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper

Populus tremula 'Erecta'
Swedish Columnar Aspen



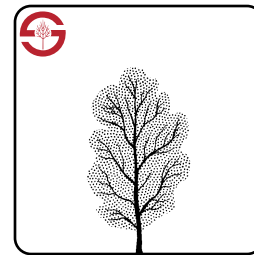
Zone: 2
Height: 40'
Spread: 10'
Shape: Very narrow, fastigate
Foliage: Green, trembles in breeze

Bare Root
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Container
#3
#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper

Populus tremuloides 'NE-Arb'
Prairie Gold® Aspen

Royalty \$1.50



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

Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
9 ft., whip

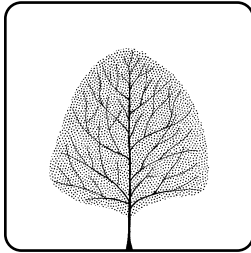
Container
#5 5 foot
#7 6 foot
#15 1¼" caliper
#3 clump
#5 clump
#7 clump



Prairie Gold® Aspen

Populus (Cottonwood)

Populus sargentii 'Jeronimus'
Jeronimus Cottonwood



Zone: 3
Height: 60'
Spread: 40'
Shape: Upright oval, rounded with age
Foliage: Light green
Fall Color: Yellow
Seed: None (cottonless)

Bare Root

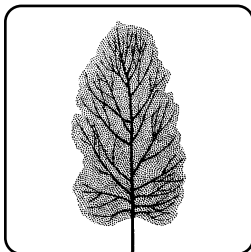
- 4 ft., whip
- 5 ft., whip
- 6 ft., whip
- 7 ft., whip

Container

- #5 5 foot
- #10 1" caliper
- #15 1 1/4" caliper

Populus (Poplar)

Populus deltoides 'Siouxland'
Siouxland Poplar



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

Bare Root

3 ft., whip 10.35 8.80

- 4 ft., whip
- 5 ft., whip
- 6 ft., whip
- 7 ft., whip
- 8 ft., whip

Container

- #5 5 foot
- #7 6 foot
- #10 1" caliper
- #15 1 1/4" caliper
- #20 1 1/2" caliper

Prunus (Apricot)

Blenheim, Chinese, Harcot
Montrose, Moorpark, Perfection
Tilton, Wenatchee Moorpark

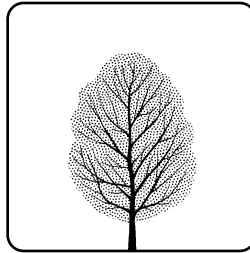
Container **Each**

#7

For more information on our fruit trees, including rootstocks, see page 79 or visit www.jfss.co/fruit

Prunus (Less Common Species)

Prunus padus 'Drietre'
Merlot® Bird Cherry

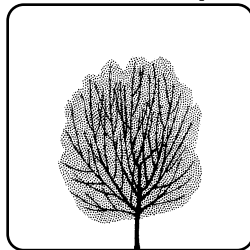


Zone: 3
Height: 30'
Spread: 18'
Shape: Upright oval
Foliage: Leaves emerge green, turn purple in summer
Fall Color: Red to reddish purple
Flower: White, in 4" long drooping clusters

Container

#25 1 3/4" caliper

Prunus virginiana 'Canada Red'
Canada Red Improved Chokecherry



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

Bare Root

- 5 ft., whip
- 6 ft., whip
- 7 ft., whip
- 8 ft., whip
- 9 ft., whip
- 6 ft., branched
- 7 ft., branched
- 1" cal., branched
- 1 1/4" cal., branched
- 4 foot, multi-stem
- 5 foot, multi-stem
- 6 foot, multi-stem

Container

- #5 5 foot
- #7 6 foot
- #10 1" caliper
- #15 1 1/4" caliper
- #20 1 1/2" caliper
- #25 1 3/4" caliper
- #5 multi-stem
- #10 multi-stem
- #15 multi-stem
- #25 8 foot, multi-stem

Prunus (Cherry)

Bali, Bing, Montmorency, Rainier
Stella, Van, Utah Giant

Container **Each**

#7

4-in-1

Container **Each**

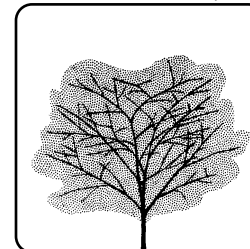
#7
#15



Akebono Cherry

Prunus (Japanese Cherry)

Prunus x yedoensis 'Akebono'
Akebono Cherry



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

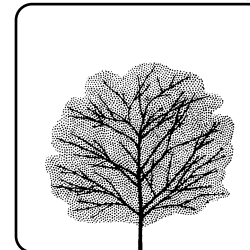
Bare Root

- 5 ft., whip
- 6 ft., whip
- 7 ft., whip
- 7 ft., branched
- 1" cal., branched
- 1 1/4" cal., branched
- 1 1/2" cal., branched

Container

- #10 1" caliper
- #15 1 1/4" caliper

Prunus subhirtella 'Autumnalis Rosea'
Autumn Flowering Cherry



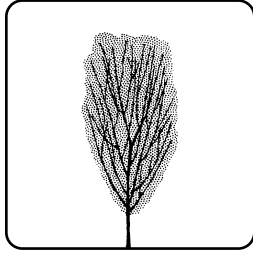
Zone: 5
Height: 25'
Spread: 22'
Shape: Upright spreading with slender branches
Foliage: Medium green
Fall Color: Yellow to bronze
Flower: Semi-double to double, light pink

Bare Root

- 7 ft., whip
- 5 ft., branched
- 6 ft., branched
- 7 ft., branched
- 1" cal., branched

Prunus sargentii 'Columnaris'

Columnar Sargent Cherry

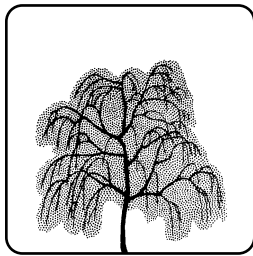


Zone: 4
Height: 35'
Spread: 15'
Shape: Upright, columnar to narrow vase
Foliage: Dark green
Fall Color: Orange to orange-red
Flower: Single pink, in clusters

Bare Root
5 ft., whip
6 ft., whip
7 ft., branched
1" cal., branched

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

Bare Root
5' graft, #1 light head
5' graft, #1 head
Container
#15 5' graft, #1 head

Prunus 'JFS-KW14' PP 28248

First Blush® Cherry

Royalty \$1.75



Zone: 5
Height: 25'
Spread: 12'
Shape: Upright narrow oval
Foliage: Dark green
Fall Color: Orange to orange red
Flower: Pink, double, fragrant

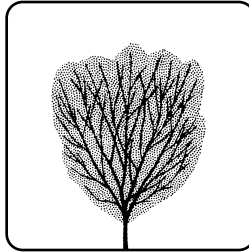
Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Container
#5 5 foot
#7 6 foot
#15 1¼" caliper
#20 1½" caliper



Prunus serrulata 'Kwanzan'

Kwanzan Cherry



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

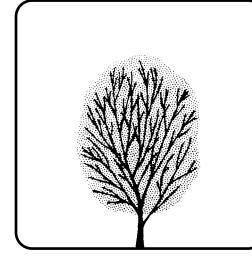
Bare Root
7 ft., whip
6 ft., branched
7 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
2" cal., branched
5' graft, #1 light head
5' graft, #1 head

Container
#5 5 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#25 2" caliper



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

Bare Root
6 ft., whip
7 ft., whip
6 ft., branched
7 ft., branched
1" cal., branched
1¼" cal., branched

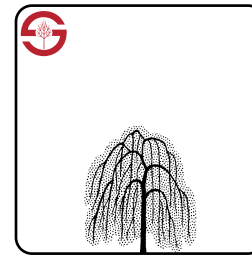
Container
#3



Prunus 'NGPH1' PP 27579

Pink Cascade® Cherry

Royalty \$1.75



Zone: 5
Height: 12'
Spread: 12'
Shape: Weeping
Foliage: Dark green, fine textured
Fall Color: Orange
Flower: Bright pink, prolific

Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
5' graft, #1 light head
5' graft, #1 head

Container
#3
#5 5 foot
#15 5' graft, #1 head
#20 5' graft, #1 head
#20 6' graft, #1 head

Prunus sargentii 'JFS-KW58'**Pink Flair® Cherry**

Royalty \$1.50



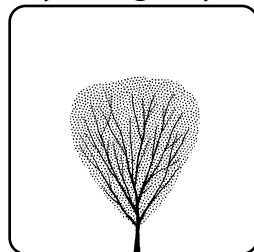
Zone: 3b
Height: 25'
Spread: 15'
Shape: Upright narrow vase
Foliage: Dark green
Fall Color: Orange-red
Flower: Single pink, in clusters

Bare Root

5 ft., whip
 6 ft., whip
 6 ft., branched
 7 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched

Container

#10 1" caliper
 #15 1¼" caliper

Prunus serrulata 'Royal Burgundy'**Royal Burgundy Cherry**

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

Bare Root

4 ft., branched
 5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container

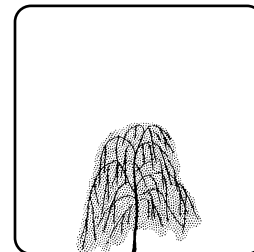
#5 5 foot
 #7 6 foot
 #10 6 foot
 #10 1" caliper
 #15 1¼" caliper



Royal Burgundy Cherry

Prunus × 'Snofozam'**Snow Fountains® Cherry**

Royalty \$.75



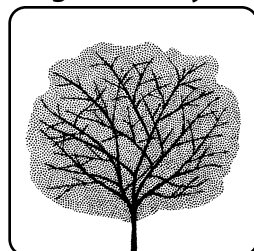
Zone: 5
Height: 12'
Spread: 12'
Shape: Weeping
Foliage: Small, dark green leaves
Fall Color: Golden to orange
Flower: White

Bare Root

6 ft., whip
 7 ft., whip
 #1 light head
 #1 head
 Heavy select
 5' graft, #1 light head
 5' graft, #1 head

Container

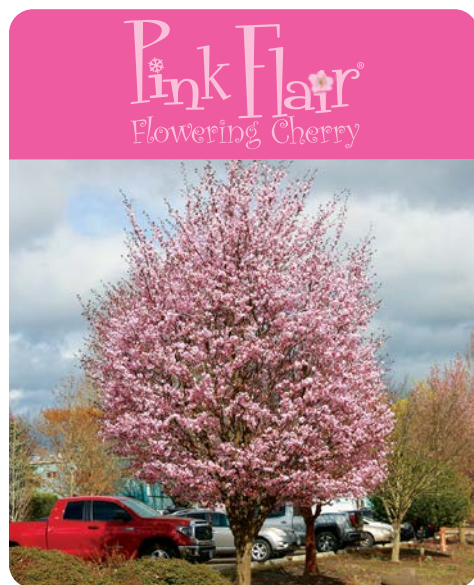
#5 5 foot
 #15 5' graft, #1 head

*Prunus sargentii***Sargent Cherry**

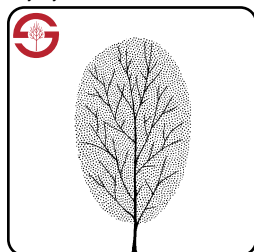
Zone: 4
Height: 30'
Spread: 30'
Shape: Upright, spreading branches, rounded crown
Foliage: Dark green
Fall Color: Bronze orange to orange-red
Flower: Single pink, in clusters

Bare Root

6 ft., branched
 7 ft., branched
 1" cal., branched
 1¼" cal., branched

*Prunus sargentii* 'JFS KW21PS' PP 32619**Pink Myst® Cherry**

Royalty \$1.75



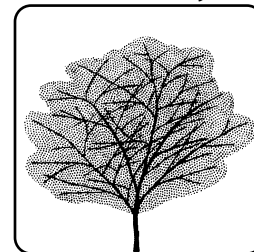
Zone: 4
Height: 30'
Spread: 15'
Shape: Upright to upright oval
Foliage: Dark green
Fall Color: Orange to orange red
Flower: Deep pink

Bare Root

6 ft., branched
 7 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container

#15 1¼" caliper
 #20 1½" caliper

*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

Bare Root

6 ft., whip
 7 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container

#3
 #5 5 foot
 #7 6 foot
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper

Prunus (Nectarine)

Arctic Babe, Fantasia, Flavortop
Heavenly White, Nectar Babe
Container #7 **Each**

Prunus (NectaPlum®)

Spice Zee
Container #7 **Each**

Prunus (Peach)

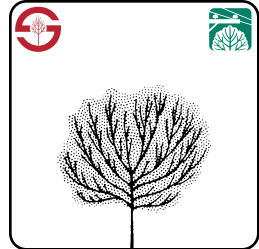
Contender, Elberta, Frost™
Redhaven, Reliance, Snow Beauty
Veteran
Container #7 **Each**

Prunus (Purple Leaf Plum)

Prunus × cistena 'Schmidtcis'

Big Cis® Plum

Royalty \$1.25



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

Bare Root
4 ft., branched
5 ft., branched
6 ft., branched
7 ft., branched
1" cal., branched

Container
#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper



Mt. St. Helens® Plum

Prunus (Miniature Peach)

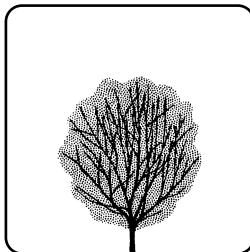
Bonanza, Bonfire, Garden Gold
Garden Sun, Honey Babe, Pix Zee
Container #7 **Each**

Prunus (Pluerry®)

Sweet Treat
Container #7 **Each**

Prunus cerasifera 'Krauter Vesuvius'

Krauter Vesuvius Plum



Zone: 5
Height: 20'
Spread: 15'
Shape: Upright
Foliage: Dark purple
Flower: Light pink

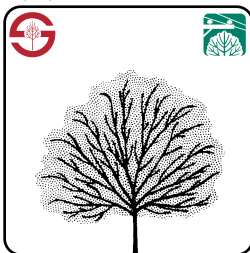
Bare Root
7 ft., whip
6 ft., branched
7 ft., branched
1" cal., branched
1¼" cal., branched

Container
#3
#5 5 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#25 2" caliper

Prunus 'Frankthrees'

Mt. St. Helens® Plum

Royalty \$1.25



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

Bare Root
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper

Prunus (Pluot®)

Dapple Dandy, Flavor King
Container #7 **Each**

Prunus (Plum)

Burgundy, Elephant Heart, Santa Rosa
Satsuma, Superior
Container #7 **Each**

Prunus (Prune)

Italian, Stanley
Container #7 **Each**

For more information on our fruit trees, including rootstocks, see page 79 or visit www.jfss.co/fruit



Krauter Vesuvius Plum

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

Bare Root
7 ft., whip
6 ft., branched
7 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

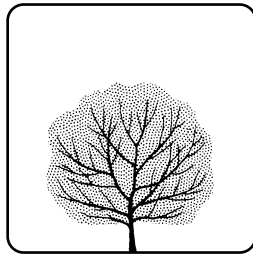
Container
#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper

Prunus cerasifera 'Thundercloud'**Thundercloud Plum**

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

Bare Root
 7 ft., whip
 8 ft., whip
 6 ft., branched
 7 ft., branched
 1" cal., branched
 1¼" cal., branched

Container
 #5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper
 #25 2" caliper

Pyrus calleryana 'Autumn Blaze'**Autumn Blaze Pear**

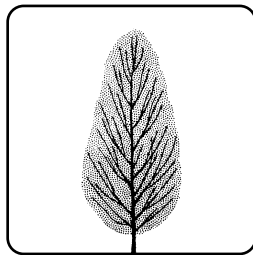
Zone: 4
Height: 30'
Spread: 25'
Shape: Rounded
Foliage: Glossy green
Fall Color: Bright red
Flower: White

Bare Root
 5 ft., branched
 6 ft., branched
 1" cal., branched

Container
 #10 1" caliper
 #15 1¼" caliper

Pyrus calleryana 'Glen's Form'**Chanticleer® Pear**

Royalty \$.65



Zone: 4
Height: 40'
Spread: 15'
Shape: Upright, narrowly pyramidal
Foliage: Green, glossy
Fall Color: Reddish
Flower: White, in clusters

DISEASE RESISTANCE: Fireblight

Bare Root
 4 ft., whip
 5 ft., whip
 6 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched

Container
 #3
 #5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper

Pyrus (Pear - Fruiting)

20th Century Asian, Bartlett, Comice
 D'Anjou, Red D'Anjou
 Sensation Red Bartlett

Container #7 **Each**

4-in-1

Container #7 **Each**

For more information on our fruit trees, including rootstocks, see page 79 or visit www.jfss.co/fruit

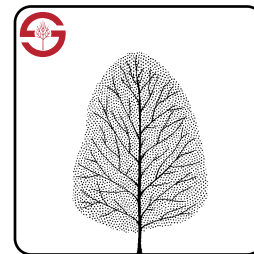
Chastity®
 FLOWERING PEAR



Chastity® Pear delivers the multi-season beauty of flowering pears without its negative characteristics. Poised to replace other flowering pears in areas where invasiveness is a concern, this fireblight-resistant cultivar is a highly infertile, triploid hybrid, specifically bred to prevent weediness. Developed by Dr. Tom Ranney of North Carolina State University.

Pyrus × triploida 'NCPX2' PP 30788**Chastity® Pear**

Royalty \$1.75



Zone: 5
Height: 35'
Spread: 25'
Shape: Broadly pyramidal
Foliage: Dark green, glossy
Fall Color: Orange to red, purple highlights
Flower: White, profuse
Fruit: Sparse

DISEASE RESISTANCE: Fireblight

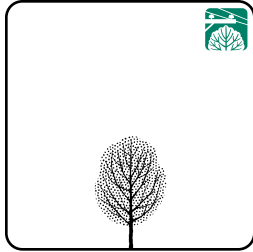
Bare Root
 4 ft., branched
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched
 2" cal., branched

Container
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #25 1¾" caliper

Pyrus calleryana 'Jaczam'

Jack® Pear

Royalty \$.95



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

Bare Root

5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched

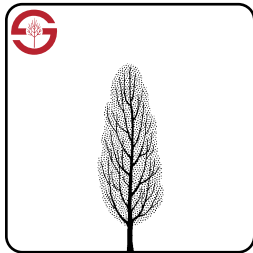
Container

#7 6 foot
#10 6 foot
#15 1¼" caliper

Pyrus 'NCPX1' PP 26539

Javelin® Pear

Royalty \$1.50



Zone: 5
Height: 35'
Spread: 10'
Shape: Fastigate, tightly columnar
Foliage: Glossy dark green
Fall Color: Orange-red
Flower: Pink buds open to white flowers
Fruit: May occasionally produce fruit

DISEASE RESISTANCE: Fireblight

Bare Root

6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
1¼" cal., low branch

Container

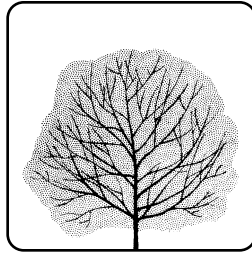
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper



Quercus (Oak)

Quercus acutissima

Sawtooth Oak



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

Bare Root

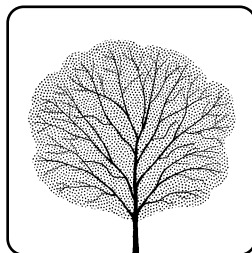
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container

3RP VigorLiner®

Quercus alba

White Oak



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

Bare Root

5 ft., whip
6 ft., whip
7 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Root Bag

5 ft., whip
6 ft., whip
7 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched

Container

3RP VigorLiner®
#5 5 foot
#7 6 foot
#10 6 foot
#10 1" caliper

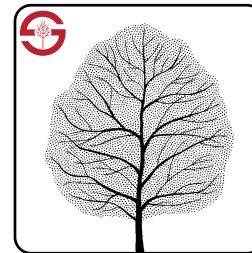


American Dream® Oak

Quercus bicolor 'JFS-KW12' PP 23632

American Dream® Oak

Royalty \$2.00



Zone: 4
Height: 50'
Spread: 40'
Shape: Broadly pyramidal
Foliage: Bright green, glossy
Fall Color: Yellow

Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Root Bag

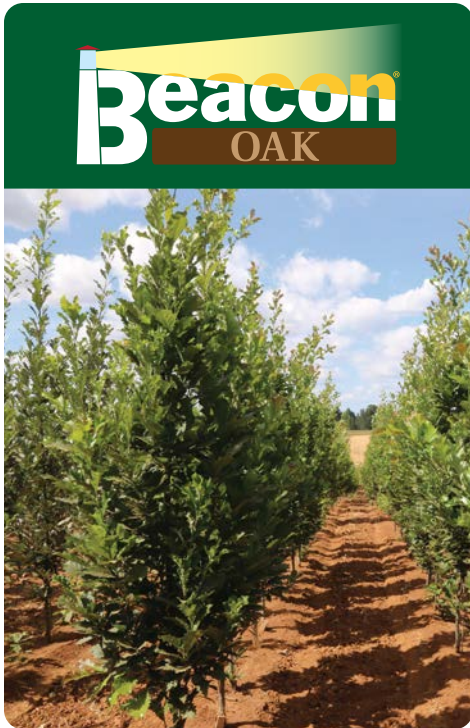
6 ft., branched
1" cal., branched

Container

3RP VigorLiner®
#10 1" caliper
#15 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1½" caliper
#25 1¾" caliper

Discount Opportunities

Please note that container and VigorLiner® orders qualify for different discounts than bare root, B & B, and root bag orders. See page 87 for details.

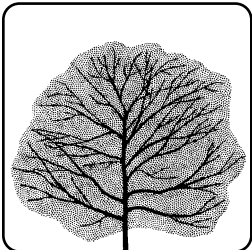
*Quercus bicolor* 'Bonnie and Mike'**Beacon® Oak**

Royalty \$2.00



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

Bare Root
 4 ft., branched
 5 ft., branched
 6 ft., branched
 1" cal., branched

Quercus bicolor
Swamp White Oak

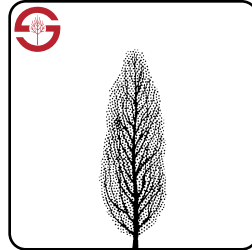
Zone: 4
Height: 45'
Spread: 45'
Shape: Rounded, open
Foliage: Green with wavy margins
Fall Color: Yellow brown to reddish

Bare Root
 4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched

Container
 #7 6 foot
 #15 1¼" caliper

Quercus × bimundorum 'Crimschmidt'**Crimson Spire™ Oak**

Royalty \$1.75



Zone: 4
Height: 45'
Spread: 15'
Shape: Columnar, tightly fastigate
Foliage: Dark green to bluish-green
Fall Color: Rusty red

Bare Root
 5 ft., whip
 6 ft., whip
 7 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched

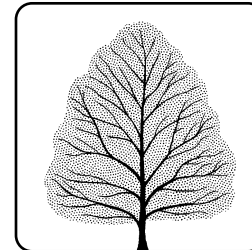
Root Bag
 6 ft., whip
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container
 3RP VigorLiner®
 5RP VigorLiner®
 #5 5 foot
 #7 6 foot
 #10 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #25 1¾" caliper
 #25 2" caliper

Crimson Spire™ Oak

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

Royalty \$.95

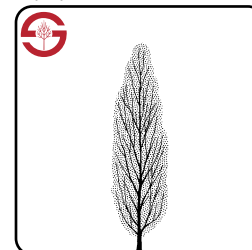


Zone: 3
Height: 50'
Spread: 40'
Shape: Broadly pyramidal
Foliage: Dark green
Fall Color: Yellow-orange to red

Container
 3RP VigorLiner®

**Skinny Genes® Oak***Quercus × bimundorum* 'JFS-KW2QX' PP 24442**Skinny Genes® Oak**

Royalty \$2.00



Zone: 4
Height: 45'
Spread: 10'
Shape: Columnar, tightly fastigate
Foliage: Dark green, glossy, mildew resistant
Fall Color: Yellow to tawny yellow

Bare Root
 5 ft., whip
 4 ft., branched
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched

Root Bag
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container
 3RP VigorLiner®
 5RP VigorLiner®
 #5 5 foot
 #7 6 foot
 #10 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper

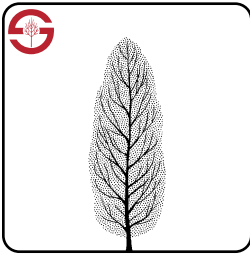
Streetspire® Oak



Quercus × bimundorum 'JFS-KW1QX'

Streetspire® Oak

Royalty \$2.00



Zone: 4
Height: 45'
Spread: 14'
Shape: Narrow, columnar
Foliage: Dark green
Fall Color: Rusty red

Bare Root

5 ft., whip
6 ft., whip
7 ft., whip
4 ft., branched
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Root Bag

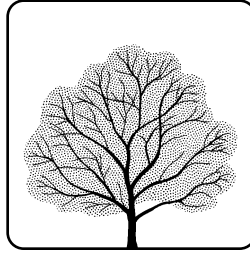
6 ft., branched
1" cal., branched
1¼" cal., branched

Container

3RP VigorLiner®
#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper

Quercus buckleyi

Texas Red Oak



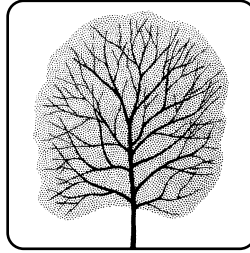
Zone: 6
Height: 40'
Spread: 40'
Shape: Broadly rounded
Foliage: Green, glossy
Fall Color: Orange-red to red

Bare Root

5 ft., branched
6 ft., branched
1" cal., branched

Quercus coccinea

Scarlet Oak



Zone: 4
Height: 50'
Spread: 40'
Shape: Upright spreading, open, broadly oval
Foliage: Dark green, glossy
Fall Color: Scarlet

Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Root Bag

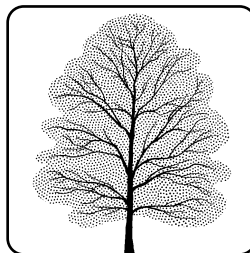
5 ft., whip
6 ft., whip
7 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched

Container

3RP VigorLiner®
#5 5 foot
#7 6 foot
#10 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper

Quercus ellipsoidal

Northern Pin Oak



Zone: 4
Height: 55'
Spread: 40'
Shape: Broadly pyramidal to oval
Foliage: Green
Fall Color: Red

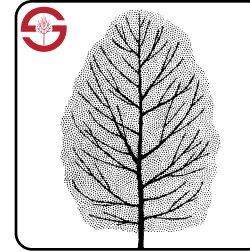
Bare Root

6 ft., branched
1" cal., branched

Quercus frainetto 'Schmidt'

Forest Green® Oak

Royalty \$1.75



Zone: 5b
Height: 50'
Spread: 30'
Shape: Upright, oval
Foliage: Deep green, very glossy, rounded lobes
Fall Color: Yellow to brown

Root Bag

1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Container

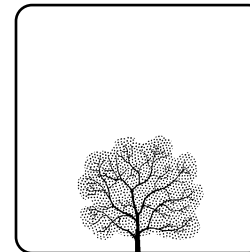
3RP VigorLiner®
#7 6 foot
#10 6 foot
#15 1¼" caliper
#20 1½" caliper
#25 2" caliper



Forest Green® Oak

Quercus gambelii

Gambel Oak



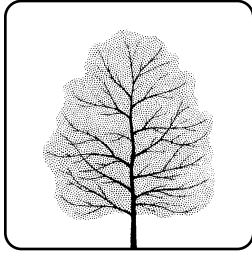
Zone: 5
Height: 25'
Spread: 25'
Shape: Rounded
Foliage: Dark green
Fall Color: Yellow orange to orange red

Container

3VL VigorLiner®, multi-stem
#7 multi-stem



Gambel Oak

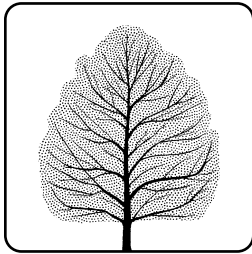
Quercus imbricaria
Shingle Oak

Zone: 5
Height: 50'
Spread: 40'
Shape: Broadly oval
Foliage: Dark green, glossy
Fall Color: Yellow to rusty red

Bare Root
 4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched

**Heritage® Oak***Quercus × macdanielii* 'Clemons'**Heritage® Oak**

Royalty \$1.00

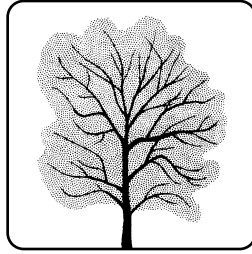


Zone: 4
Height: 50'
Spread: 40'
Shape: Broadly pyramidal to oval
Foliage: Dark green, glossy
Fall Color: Yellow

Bare Root
 4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched

Root Bag
 5 ft., branched
 6 ft., branched
 1" cal., branched

Container
 3RP VigorLiner®
 #7 6 foot
 #10 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper

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

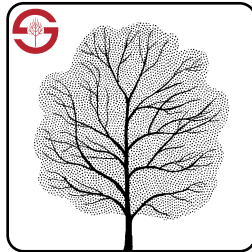
Bare Root
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Root Bag
 3 ft., branched
 4 ft., branched
 5 ft., branched
 6 ft., branched

Container
 3RP VigorLiner®
 5RP VigorLiner®
 7RP VigorLiner®
 #7 6 foot
 #10 6 foot
 #10 1" caliper
 #15 1¼" caliper

Quercus macrocarpa 'JFS-KW14'**Cobblestone® Oak**

Royalty \$2.00



Zone: 3
Height: 55'
Spread: 45'
Shape: Broadly oval
Foliage: Dark green
Fall Color: Yellow

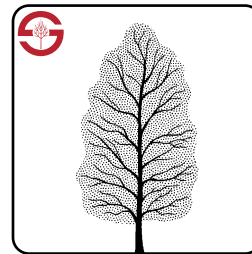
Bare Root
 6 ft., branched
 1" cal., branched

Root Bag
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container
 #10 6 foot
 #15 1¼" caliper
 #20 1½" caliper

**Cobblestone® Oak****URBAN
PINNACLE®
OAK**Typical
Bur Oak
Acorns*Quercus macrocarpa* 'JFS-KW3' PP 22815**Urban Pinnacle® Oak**

Royalty \$2.00



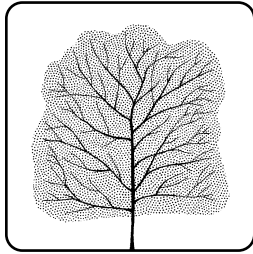
Zone: 3
Height: 55'
Spread: 25'
Shape: Narrow, pyramidal to oval
Foliage: Dark green, glossy
Fall Color: Yellow
Fruit: Unusually small acorn

Bare Root
 4 ft., whip
 5 ft., whip
 6 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Root Bag
 6 ft., whip
 7 ft., whip
 6 ft., branched
 1" cal., branched

Quercus montana (formerly *Q. prinus*)

Chestnut Oak



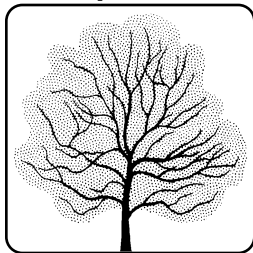
Zone: 4
Height: 50'
Spread: 40'
Shape: Pyramidal in youth, irregularly rounded at maturity
Foliage: Green with wavy margins
Fall Color: Orange yellow to reddish brown

Bare Root

6 ft., branched
1" cal., branched

Quercus muehlenbergii

Chinkapin Oak



Zone: 5
Height: 45'
Spread: 45'
Shape: Rounded, open
Foliage: Lustrous dark green
Fall Color: Yellow to yellow brown

Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched

Root Bag

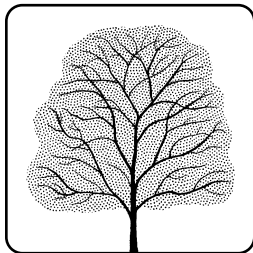
6 ft., branched
1" cal., branched
1¼" cal., branched

Container

3RP VigorLiner®
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper

Quercus nuttallii

Nuttall Oak



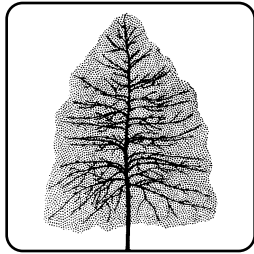
Zone: 6
Height: 50'
Spread: 45'
Shape: Broadly pyramidal to broadly oval
Foliage: Dark green
Fall Color: Yellow-orange to rusty red

Container

3RP VigorLiner®

Quercus palustris

Pin Oak



Zone: 4
Height: 55'
Spread: 40'
Shape: Pyramidal with slender horizontal branches
Foliage: Green
Fall Color: Rusty orange to red

Bare Root

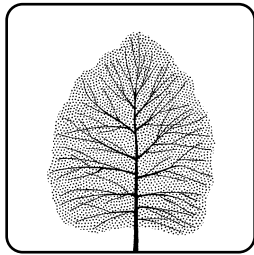
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Container

3RP VigorLiner®
#5 5 foot
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper

Quercus phellos

Willow Oak



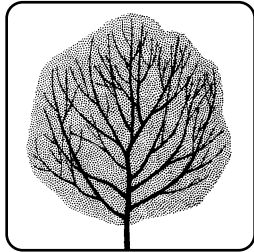
Zone: 6
Height: 50'
Spread: 35'
Shape: Pyramidal when young, becoming rounded
Foliage: Medium green, narrow
Fall Color: Yellow to yellow-brown

Container

3RP VigorLiner®

Quercus robur

English Oak



Zone: 5
Height: 50'
Spread: 40'
Shape: Broad, rounded, open headed crown
Foliage: Deep green
Fall Color: Yellow-brown

Bare Root

4 ft., whip
5 ft., whip
6 ft., branched
1" cal., branched

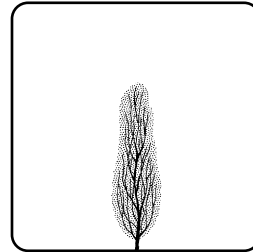


Regal Prince® Oak

Quercus robur × *bicolor* 'Nadler' PP 17604

Kindred Spirit® Oak

Royalty \$2.00



Zone: 4
Height: 30'
Spread: 6'
Shape: Tightly columnar
Foliage: Medium green
Fall Color: Yellow to yellow-brown

Bare Root

5 ft., branched
6 ft., branched
1" cal., branched

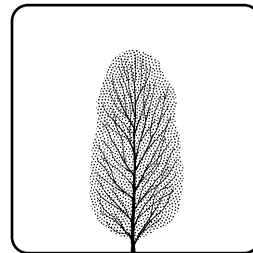
Container

3RP VigorLiner®
#7 6 foot

Quercus robur × *bicolor* 'Long'

Regal Prince® Oak

Royalty \$1.00



Zone: 4
Height: 45'
Spread: 18'
Shape: Columnar to narrow oval
Foliage: Glossy, bright green
Fall Color: Yellow

Bare Root

6 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

Root Bag

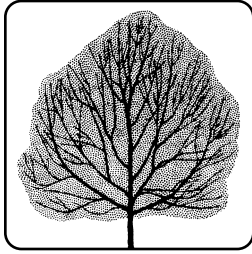
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container

3RP VigorLiner®
#10 6 foot
#10 1" caliper

Discount Opportunities

Please note that container and VigorLiner® orders qualify for different discounts than bare root, B & B, and root bag orders. See page 87 for details.

*Quercus rubra***Red Oak**

Zone: 4
Height: 50'
Spread: 45'
Shape: Rounded
Foliage: Dark green
Fall Color: Red

Bare Root

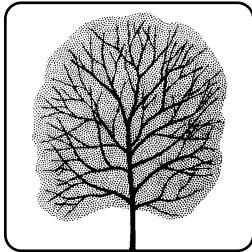
4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched
 2" cal., branched

Root Bag

6 ft., branched
 1" cal., branched
 1¼" cal., branched

Container

3RP VigorLiner®
 5RP VigorLiner®
 7RP VigorLiner®
 #7 6 foot
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper

*Quercus shumardii***Shumard Oak**

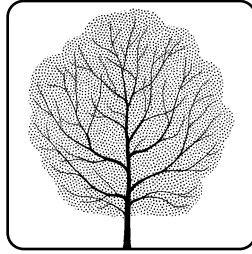
Zone: 5
Height: 50'
Spread: 40'
Shape: Upright spreading, open, broadly oval
Foliage: Dark green
Fall Color: Red

Bare Root

5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched

Container

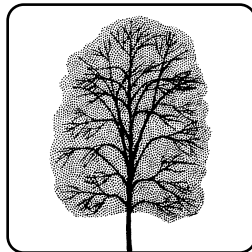
3RP VigorLiner®

*Quercus velutina***Northern Black Oak**

Zone: 4
Height: 50'
Spread: 45'
Shape: Oval to rounded
Foliage: Dark green
Fall Color: Rusty red

Bare Root

6 ft., branched
 1" cal., branched
 1¼" cal., branched

**Red Oak****Robinia** (Locust)*Robinia pseudoacacia* 'Purple Robe'**Purple Robe Locust**

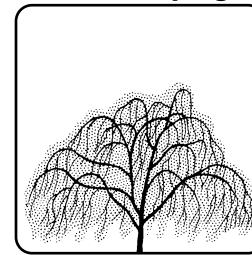
Zone: 3
Height: 50'
Spread: 32'
Shape: Ascending, outward arching branches, open
Foliage: Purple-tinted new growth ages to bronze-green
Fall Color: Yellow
Flower: Dark purple
Fruit: Seedless pods

Bare Root

4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched

Container

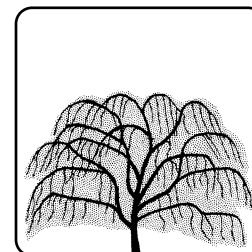
#5 5 foot

**Cardinal Royal® Mountain Ash****Salix** (Willow)*Salix alba* 'Tristis'**Golden Weeping Willow**

Zone: 3
Height: 40'
Spread: 60'
Shape: Broadly weeping
Foliage: Light green
Fall Color: Yellow

Bare Root

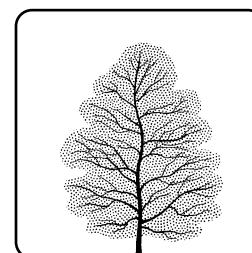
5 ft., branched
 6 ft., branched
 1" cal., branched

Salix 'Prairie Cascade'**Prairie Cascade Weeping Willow**

Zone: 3
Height: 30'
Spread: 40'
Shape: Weeping
Foliage: Dark green, very glossy

Bare Root

6 ft., whip
 7 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched

Sassafras*Sassafras albidum***Sassafras**

Zone: 4
Height: 40'
Spread: 30'
Shape: Irregular pyramid
Foliage: Green, lobed
Fall Color: Bright red

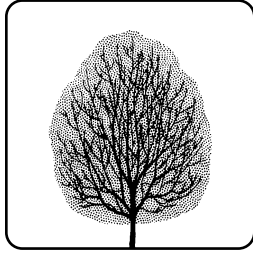
Container

3VL VigorLiner®

Sorbus (Mountain Ash)

Sorbus aucuparia

European Mountain Ash



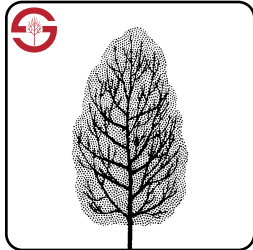
Zone: 2
Height: 35'
Spread: 24'
Shape: Upright and oval, becoming rounded
Foliage: Dark green
Fall Color: Rusty orange
Flower: White, in clusters
Fruit: Orange-red

Container
#5 5 foot

Sorbus aucuparia 'Michred'

Cardinal Royal® Mountain Ash

Royalty \$1.25



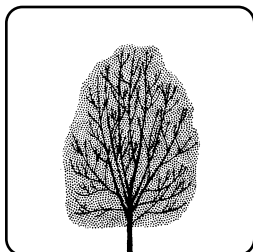
Zone: 2
Height: 35'
Spread: 20'
Shape: Upright narrow oval
Foliage: Green
Fall Color: Rust
Flower: White, in clusters
Fruit: Bright red

Bare Root
4 ft., whip
5 ft., whip
6 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched

Container
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper

Sorbus x hybrida

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

Bare Root
6 ft., branched
1" cal., branched
1¼" cal., branched

Container
#15 1¼" caliper
#20 1½" caliper

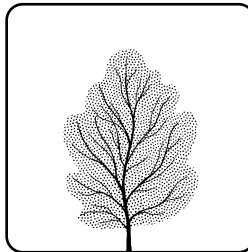


Japanese Stewartia

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

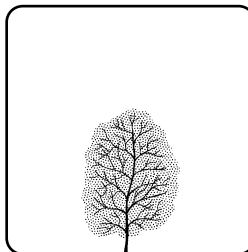
B & B
5 foot
6 foot
1" caliper
Container
3RP VigorLiner®
#15 6 foot

Styrax (Snowbell)

Styrax japonicus 'Evening Light' PP24168

Evening Light Snowbell

Royalty \$1.65



Zone: 5
Height: 15'
Spread: 10'
Shape: Upright, oval
Foliage: Dark purple
Flower: White

Bare Root
4 ft., branched
5 ft., branched
6 ft., branched
7 ft., branched

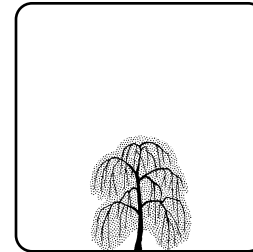
B & B
5 foot
6 foot
1" caliper

Container
3RP VigorLiner®
#15 1" caliper
#20 1½" caliper

Styrax japonicus 'Fragrant Fountain' PP 19664

Fragrant Fountain Snowbell

Royalty \$1.65



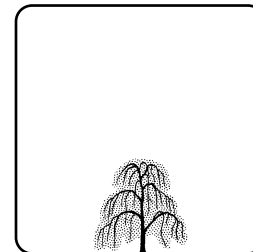
Zone: 5
Height: 8'
Spread: 6'
Shape: Weeping
Foliage: Dark green, fine textured
Fall Color: Yellow
Flower: Pure white, bell-shaped

B & B
1" caliper
1¼" caliper
1½" caliper
Container
3RP VigorLiner®

Styrax japonicus 'JLWeeping' PP 23755

Marley's Pink™ Snowbell

Royalty \$1.00



Zone: 5
Height: 8'
Spread: 8'
Shape: Weeping
Foliage: Dark green
Fall Color: Yellow
Flower: Pink, bell shaped

Bare Root
4 ft., branched
5 ft., branched
6 ft., branched
B & B
1" caliper
1¼" caliper
1½" caliper

Container
3VL VigorLiner®
3RP VigorLiner®
#7 6 foot
#10 1" caliper



Evening Light Snowbell

Styrax japonicus 'JFS 6SJ' PP 34817**Nightfall® Snowbell**

Royalty \$2.50

New
'22

Zone: 5
Height: 8'
Spread: 6'
Shape: Weeping
Foliage: Dark purple
Flower: White

A cascade of dark purple leaves tumble from the branches of this elegant weeping tree. The dense, dark, refined foliage sets a lush, high-contrast backdrop for white buds of late spring that open to creamy white, bell-shaped flowers. Bare branches etch a graceful waterfall in the winter landscape.

Bare Root

4 ft., branched
 5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched

Container

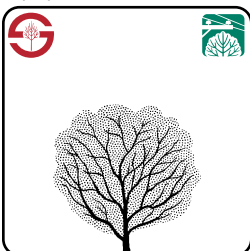
#7 6 foot, tree form
 #10 1" caliper

Nightfall

SNOWBELL

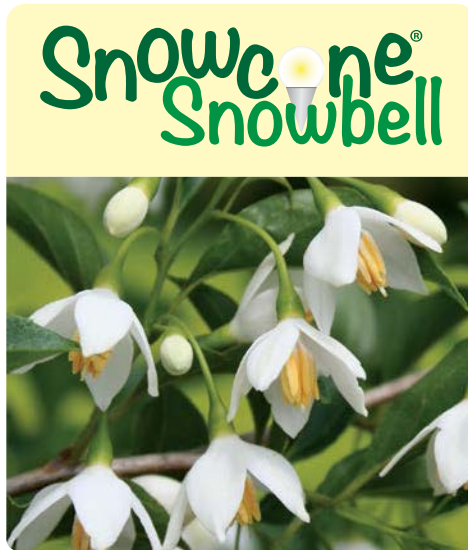
*Styrax japonicus* 'JFS-E'**Snow Charm® Snowbell**

Royalty \$1.50

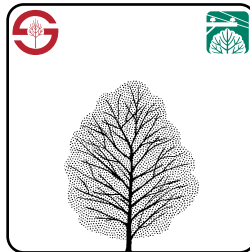


Zone: 5
Height: 20'
Spread: 20'
Shape: Rounded
Foliage: Dark green
Fall Color: Yellow
Flower: Pure white, bell shaped

Container
 3VL VigorLiner®

*Styrax japonicus* 'JFS-D'**Snowcone® Snowbell**

Royalty \$1.50



Zone: 5
Height: 25'
Spread: 20'
Shape: Broadly pyramidal, dense
Foliage: Dark green, fine textured
Fall Color: Yellow
Flower: Pure white, bell shaped

Bare Root

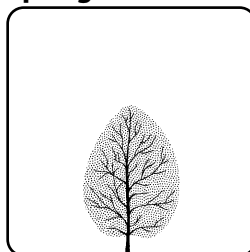
5 ft., branched
 6 ft., branched
 7 ft., branched

B & B

1¼" caliper

Container

3RP VigorLiner®
 #10 1" caliper
 #20 1" caliper
 #25 1¼" caliper
 #25 1½" caliper

Styrax japonicus 'Spring Showers'**Spring Showers Snowbell**

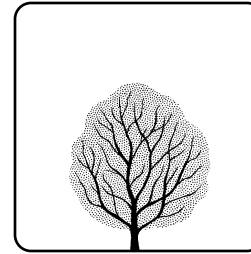
Zone: 5
Height: 20'
Spread: 15'
Shape: Upright oval
Foliage: Dark green
Fall Color: Yellow
Flower: Pure white, bell shaped

Bare Root

4 ft., whip
 5 ft., whip
 6 ft., whip
 4 ft., branched
 5 ft., branched
 6 ft., branched
 7 ft., branched
 1" cal., branched

Container

3VL VigorLiner®

*Styrax obassia***Fragrant Snowbell**

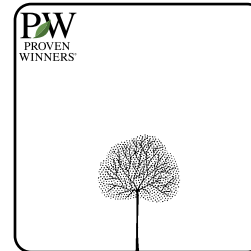
Zone: 5
Height: 25'
Spread: 20'
Shape: Oval
Foliage: Dark green
Fall Color: Yellow
Flower: White, fragrant, in chains

B & B

1" caliper
 1¼" caliper
 1½" caliper
 1¾" caliper

Syringa (Lilac - Tree Form)*Syringa* 'SMSJBP7' PP 26549**Bloomerang® Dark Purple Lilac**

Royalty \$1.50



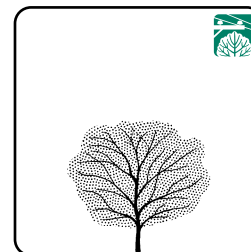
Zone: 3a
Height: 8'
Spread: 5'
Shape: Rounded
Foliage: Green
Fall Color: Yellow
Flower: Dark purple, fragrant

Container

#15 3' graft, heavy select
 #7 4' graft, #1 head
 #15 4' graft, heavy select

Syringa (Tree Lilac)*Syringa pekinensis* 'Zhang Zhiming'**Beijing Gold® Tree Lilac**

Royalty 1.00



Zone: 5
Height: 20'
Spread: 20'
Shape: Upright spreading
Foliage: Dark green
Fall Color: Yellow
Flower: Yellow, in clusters

Bare Root

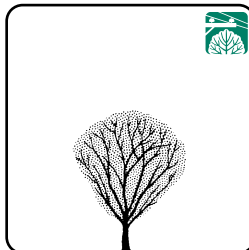
3 foot, multi-stem
 4 foot, multi-stem
 5 foot, multi-stem
 5 ft., branched
 6 ft., branched
 7 ft., branched



Ivory Silk® Japanese Tree Lilac

Syringa reticulata 'Ivory Silk'
Ivory Silk® Japanese Tree Lilac

Royalty \$.35



Zone: 4
Height: 20'
Spread: 15'
Shape: Upright spreading becoming rounded
Foliage: Dark green
Fall Color: Golden yellow
Flower: Creamy white panicles

Bare Root

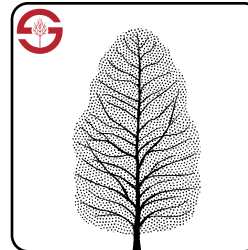
5 ft., whip
6 ft., whip
7 ft., whip
5 ft., branched
6 ft., branched
7 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
3 foot, multi-stem
4 foot, multi-stem
5 foot, multi-stem

Container

#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#10 5 foot, multi-stem

Taxodium distichum 'JFS-SGPN'
Green Whisper® Bald Cypress

Royalty \$1.50



Zone: 5
Height: 55'
Spread: 30'
Shape: Pyramidal
Foliage: Fresh, bright green
Fall Color: Rusty orange

Bare Root

4 ft., branched
5 ft., branched
1" cal., branched

Container

3VL VigorLiner®

Syringa pekinensis 'Morton'
China Snow® Tree Lilac

Royalty \$1.00



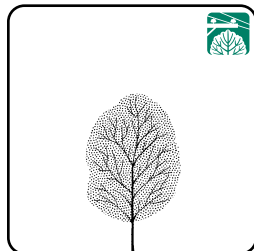
Zone: 5
Height: 20'
Spread: 20'
Shape: Upright spreading
Foliage: Dark green
Fall Color: Yellow
Flower: Creamy white clusters

Bare Root

5 ft., branched
6 ft., branched
7 ft., branched

Syringa pekinensis 'WFH2'
Great Wall® Tree Lilac

Royalty \$1.00



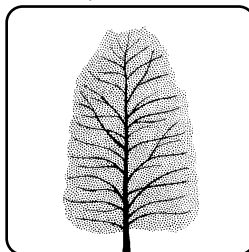
Zone: 3
Height: 20'
Spread: 12'
Shape: Upright oval
Foliage: Dark green, glossy
Fall Color: Golden yellow
Flower: Bright white, in clusters

Bare Root

5 ft., branched
6 ft., branched
7 ft., branched

Taxodium (Bald & Pond Cypress)

Taxodium distichum
Bald Cypress



Zone: 5
Height: 55'
Spread: 30'
Shape: Pyramidal
Foliage: Medium green, deciduous conifer
Fall Color: Rusty orange

Bare Root

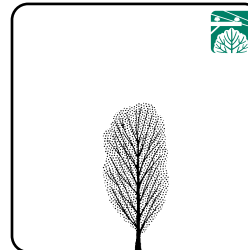
4 ft., branched
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched

Container

3RP VigorLiner®
#7 6 foot
#10 1" caliper
#20 1½" caliper
#25 1¾" caliper
#25 2" caliper

Taxodium distichum 'Skyward' PP 22812
Lindsey's Skyward™ Bald Cypress

Royalty \$1.35



Zone: 5
Height: 25'
Spread: 10'
Shape: Upright columnar
Foliage: Green, deciduous needles
Fall Color: Rusty orange

Bare Root

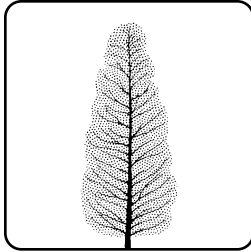
4 ft., branched
5 ft., branched



Bloomerang® Dark Purple Lilac

Taxodium distichum 'Mickelson'**Shawnee Brave™ Bald Cypress**

Royalty \$.85



Zone: 5
Height: 55'
Spread: 20'
Shape: Narrowly pyramidal
Foliage: Green, deciduous needles
Fall Color: Rusty orange

Bare Root

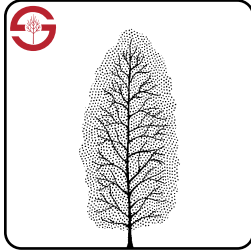
2 ft., branched
 3 ft., branched
 4 ft., branched
 5 ft., branched

Container

3VL VigorLiner®

Taxodium ascendens 'Carolyn Malone'**Greenfeather® Pond Cypress**

Royalty \$1.50



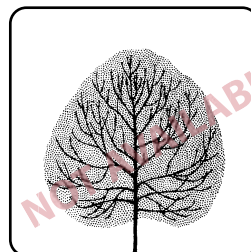
Zone: 5
Height: 50'
Spread: 20'
Shape: Narrow, pyramidal
Foliage: Light green
Fall Color: Rusty orange

Bare Root

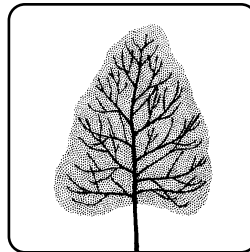
5 ft., branched
 6 ft., branched
 1" cal., branched

**Greenfeather® Pond Cypress****Tilia**

(Linden — Less Common Cultivars)

*Tilia × euchlora***Crimean Linden**

Zone: 5
Height: 40'
Spread: 35'
Shape: Broadly pyramidal to oval
Foliage: Glossy medium green
Fall Color: Yellow

**Shawnee Brave™ Bald Cypress***Tilia × flavescens* 'Glenleven'**Glenleven Linden**

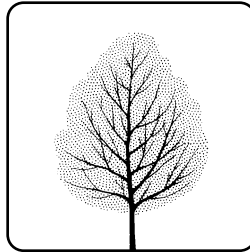
Zone: 3
Height: 50'
Spread: 30'
Shape: Pyramidal
Foliage: Medium green
Fall Color: Yellow

Bare Root

6 ft., branched
 1" cal., branched
 1¼" cal., branched

Tilia tomentosa 'PNI 6051'**Green Mountain® Linden**

Royalty \$.50



Zone: 5
Height: 45'
Spread: 35'
Shape: Broadly pyramidal to oval
Foliage: Dark green with silvery-white undersurface
Fall Color: Yellow

Bare Root

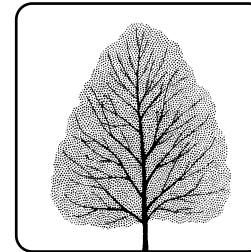
4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container

#15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper

Tilia tomentosa 'Sterling'**Sterling Linden**

Royalty \$.50



Zone: 5
Height: 45'
Spread: 35'
Shape: Broadly pyramidal
Foliage: Leaves green with silver-gray undersurface
Fall Color: Yellow

INSECT RESISTANCE: Japanese beetle**Bare Root**

5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container

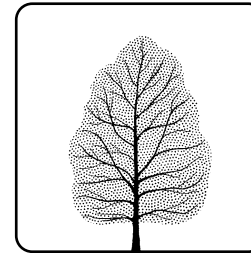
#5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper

Tilia americana

(American Linden)

Tilia americana 'McKSentry'**American Sentry® Linden**

Royalty \$.75



Zone: 3
Height: 45'
Spread: 30'
Shape: Pyramidal, symmetrical
Foliage: Medium green
Fall Color: Yellow

Bare Root

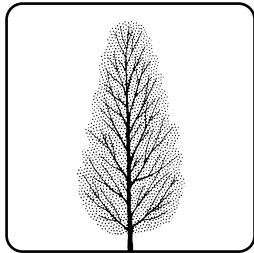
6 ft., whip
 7 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched

**Green Mountain® Linden**



Redmond Linden

Tilia americana 'Boulevard'
Boulevard Linden

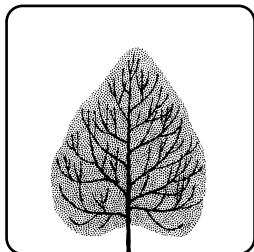


Zone: 3
Height: 50'
Spread: 25'
Shape: Narrowly pyramidal
Foliage: Medium green
Fall Color: Yellow

Bare Root

4 ft., whip
5 ft., whip
6 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Tilia americana 'Redmond'
Redmond Linden



Zone: 3
Height: 35'
Spread: 25'
Shape: Densely pyramidal
Foliage: Light green
Fall Color: Yellow

Bare Root

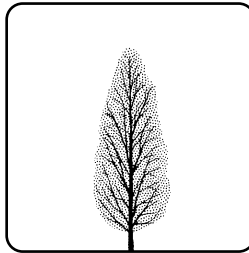
4 ft., whip
5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched
2" cal., branched
2½" cal., branched

Container

3RP VigorLiner®
#7 6 foot
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
32" 2½" caliper

Tilia cordata (Littleleaf Linden)

Tilia cordata 'Corzam'
Corinthian® Linden
Royalty \$.85



Zone: 3
Height: 45'
Spread: 15'
Shape: Narrowly pyramidal
Foliage: Dark green
Fall Color: Yellow

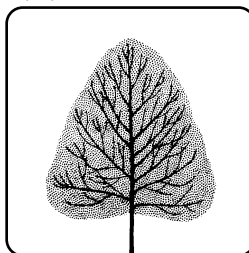
Bare Root

5 ft., whip
6 ft., whip
7 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched

Container

#10 1" caliper
#15 1¼" caliper
#20 1½" caliper

Tilia cordata 'Greenspire'
Greenspire® Linden
Royalty \$.50



Zone: 4
Height: 40'
Spread: 30'
Shape: Pyramidal, symmetrical
Foliage: Dark green
Fall Color: Yellow

Bare Root

5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

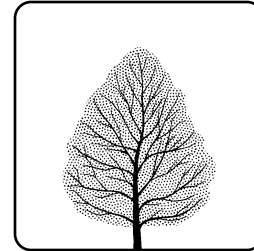
Container

#7 6 foot
#10 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#20 1¾" caliper
#25 1¾" caliper
#20 2" caliper



Corinthian® Linden

Tilia cordata × *mongolica* 'Harvest Gold'
Harvest Gold Linden
Royalty \$.75

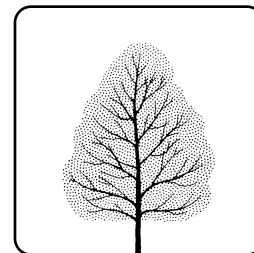


Zone: 3
Height: 40'
Spread: 30'
Shape: Pyramidal
Foliage: Deep green
Fall Color: Bright golden yellow

Bare Root

6 ft., branched
1" cal., branched

Tilia cordata 'Baileyi'
Shamrock® Linden
Royalty \$.50



Zone: 4
Height: 40'
Spread: 30'
Shape: Pyramidal, symmetrical
Foliage: Dark green
Fall Color: Yellow

Bare Root

6 ft., branched
1" cal., branched
1¼" cal., branched

Container

#10 1" caliper
#15 1¼" caliper



Greenspire® Linden

Discount Opportunities

Please note that container and VigorLiner® orders qualify for different discounts than bare root, B & B, and root bag orders. See page 87 for details.

Ulmus americana
(American Elm)*Ulmus americana* 'JFS-Prince II'**Colonial Spirit® Elm**

Royalty \$1.75



Zone: 4
Height: 65'
Spread: 50'
Shape: Vase with arching limbs
Foliage: Dark green
Fall Color: Yellow

DISEASE TOLERANCE: Dutch elm disease**Bare Root**

4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container

3RP VigorLiner®
 #5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper
 #25 2" caliper



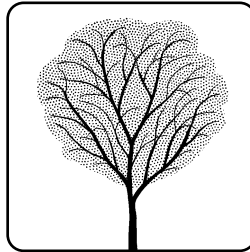
Colonial Spirit® Elm

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. This is 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.



Colonial Spirit® Elm

Ulmus americana 'Jefferson'**Jefferson Elm**

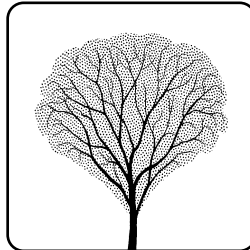
Zone: 4
Height: 70'
Spread: 50'
Shape: Vase with arching limbs
Foliage: Dark green
Fall Color: Yellow

DISEASE TOLERANCE: Dutch elm disease**Bare Root**

5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 9 ft., whip
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

Container

#15 1¼" caliper
 #20 1½" caliper

Ulmus americana 'New Harmony'**New Harmony Elm**

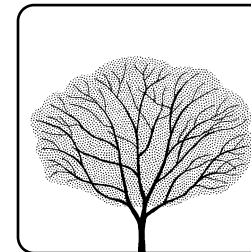
Zone: 4
Height: 70'
Spread: 65'
Shape: Vase with arching limbs
Foliage: Medium green
Fall Color: Yellow

DISEASE TOLERANCE: Dutch elm disease**Bare Root**

5 ft., whip
 6 ft., whip
 7 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched

Ulmus americana 'Lewis & Clark'**Prairie Expedition® Elm**

Royalty \$.95



Zone: 2b
Height: 55'
Spread: 60'
Shape: Broad, rounded to spreading vase
Foliage: Dark green
Fall Color: Yellow

DISEASE TOLERANCE: Dutch elm disease**Bare Root**

4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched

Container

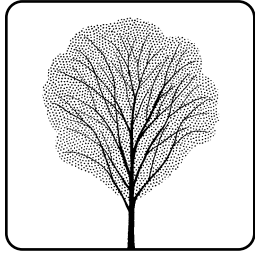
#5 5 foot



Princeton Elm

Ulmus americana 'Princeton'

Princeton Elm



Zone: 4
Height: 65'
Spread: 50'
Shape: Upright vase
Foliage: Dark green
Fall Color: Yellow

DISEASE TOLERANCE: Dutch elm disease

Bare Root

- 4 ft., whip
- 5 ft., whip
- 6 ft., whip
- 7 ft., whip
- 8 ft., whip
- 5 ft., branched
- 6 ft., branched
- 1" cal., branched
- 1 1/4" cal., branched

Container

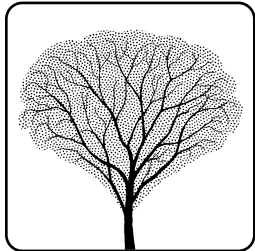
- 3RP VigorLiner®
- 5RP VigorLiner®
- #5 5 foot
- #7 6 foot
- #10 1" caliper
- #15 1 1/4" caliper
- #20 1 1/2" caliper
- #25 1 3/4" caliper



Valley Forge Elm

Ulmus americana 'Valley Forge'

Valley Forge Elm

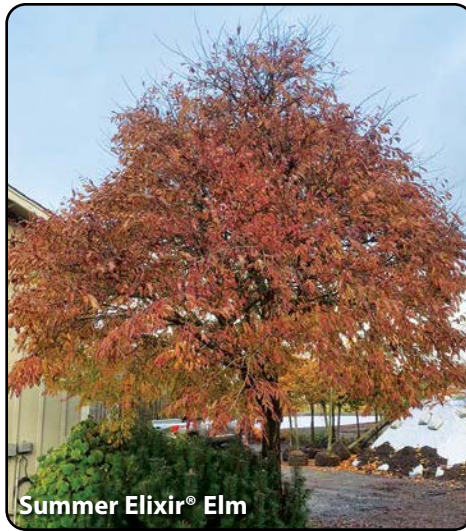


Zone: 4
Height: 70'
Spread: 70'
Shape: Broad vase with arching limbs
Foliage: Medium green
Fall Color: Yellow

DISEASE TOLERANCE: Dutch elm disease

Bare Root

- 4 ft., whip
- 5 ft., whip
- 6 ft., whip
- 7 ft., whip
- 8 ft., whip
- 5 ft., branched
- 6 ft., branched
- 1" cal., branched



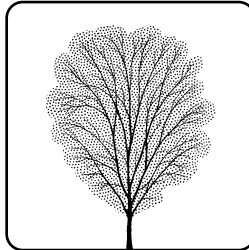
Summer Elixir® Elm

***Ulmus parvifolia* (Lacebark Elm)**

Ulmus parvifolia 'Emer II'

Allee® Elm

Royalty \$1.09



Zone: 5
Height: 50'
Spread: 35'
Shape: Upright vase, arching
Foliage: Medium green, glossy
Fall Color: Yellow-orange to rust red

DISEASE TOLERANCE: Dutch elm disease and phloem necrosis

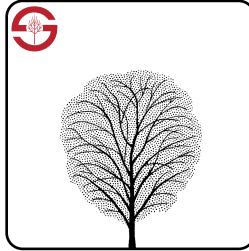
Container

- 3RP VigorLiner®

Ulmus parvifolia 'JFS-Barrett'

Emerald Flair® Elm

Royalty \$1.75



Zone: 5
Height: 40'
Spread: 35'
Shape: Upright spreading vase
Foliage: Deep green
Fall Color: Red to orange-red

DISEASE TOLERANCE: Dutch elm disease and phloem necrosis

Container

- 3RP VigorLiner®



Emerald Flair® Elm

Ulmus

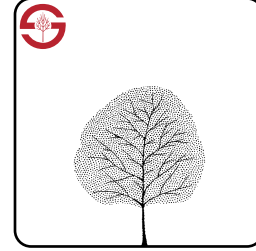
(Elm - Less Common Species and Hybrids)

Ulmus chenmoui 'JAB Morton'

Summer Elixir® Elm

Royalty \$2.00

New '22



Zone: 5
Height: 35'
Spread: 30'
Shape: Rounded
Foliage: Dark green
Fall Color: Yellow, tinged red and purple

INSECT RESISTANCE: elm leaf beetle

DISEASE TOLERANCE: Dutch elm disease

Vase-shaped in youth, this relatively small and compact elm develops a rounded shape with age. New growth may be flushed with pink or red before maturing to green. Selected by nurseryman/arborist Jim Barborinas as the best of *Ulmus chenmoui* seedlings shared by Dr. George Ware of Morton Arboretum.

Bare Root

- 5 ft., whip
- 6 ft., whip
- 7 ft., whip
- 5 ft., branched
- 6 ft., branched
- 1" cal., branched

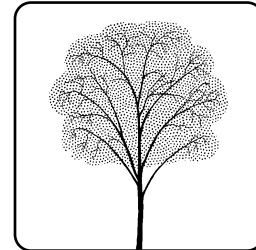
Container

- #7 6 foot
- #10 1" caliper

Ulmus davidiana 'Morton'

Accolade® Elm

Royalty \$1.00



Zone: 4
Height: 70'
Spread: 60'
Shape: Vase with arching limbs
Foliage: Glossy, dark green
Fall Color: Yellow

INSECT RESISTANCE: Elm leaf beetle

DISEASE TOLERANCE: Dutch elm disease and phloem necrosis

Bare Root

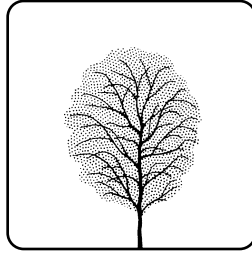
- 4 ft., whip
- 5 ft., whip
- 6 ft., whip
- 7 ft., whip
- 8 ft., whip
- 5 ft., branched
- 6 ft., branched
- 1" cal., branched

Container

- #7 6 foot
- #10 1" caliper
- #15 1 1/4" caliper
- #20 1 1/2" caliper
- #25 1 3/4" caliper
- #25 2" caliper



Ulmus 'Frontier'
Frontier Elm



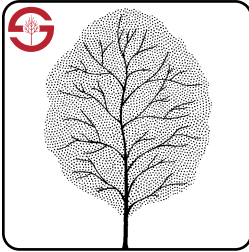
Zone: 5
Height: 40'
Spread: 30'
Shape: Vase to oval
Foliage: Glossy green
Fall Color: Burgundy

DISEASE TOLERANCE:
Dutch elm disease and phloem necrosis

Ulmus davidiana 'JFS KW2UD'

Greenstone® Elm

Royalty \$1.75



Zone: 4
Height: 60'
Spread: 40'
Shape: Upright vase
Foliage: Medium green
Fall Color: Yellow

DISEASE TOLERANCE:
Dutch elm disease and phloem necrosis

Bare Root

5 ft., branched
6 ft., branched
1" cal., branched

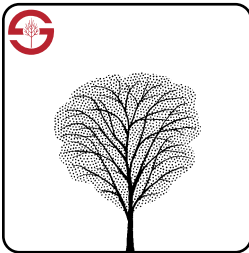
Container

#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#25 2" caliper

Ulmus propinqua 'JFS-Bieberich'

Emerald Sunshine® Elm

Royalty \$1.75



Zone: 5
Height: 35'
Spread: 25'
Shape: Vase
Foliage: Deep green
Fall Color: Yellow

INSECT RESISTANCE:
Japanese and elm leaf beetles

DISEASE TOLERANCE:
Dutch elm disease and phloem necrosis

Bare Root

5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched

Container

3RP VigorLiner®
#5 5 foot
#7 6 foot
#10 1" caliper
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper

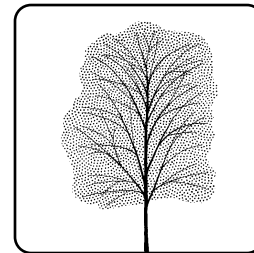


Deep green, strongly textured leaves of this heat and drought tolerant tree cast cool shade all summer. An easy care tree with superior disease and insect resistance.



Ulmus 'Homestead'

Homestead Elm



Zone: 4
Height: 55'
Spread: 35'
Shape: Upright arching, narrow oval
Foliage: Dark green
Fall Color: Yellow

DISEASE TOLERANCE:
Dutch elm disease and phloem necrosis

Bare Root

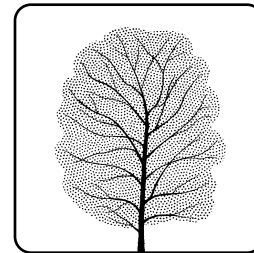
5 ft., whip
6 ft., whip
7 ft., whip
5 ft., branched
6 ft., branched

Container

#10 1" caliper
#15 1¼" caliper

Ulmus japonica × pumila 'New Horizon'

New Horizon Elm



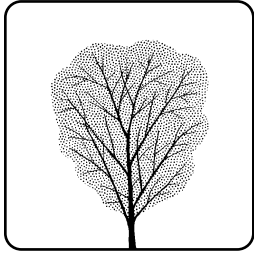
Zone: 4
Height: 55'
Spread: 40'
Shape: Upright oval, slightly arching
Foliage: Dark green
Fall Color: Yellow

DISEASE TOLERANCE:
Dutch elm disease and phloem necrosis

Bare Root

5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
6 ft., branched
1" cal., branched
1¼" cal., branched

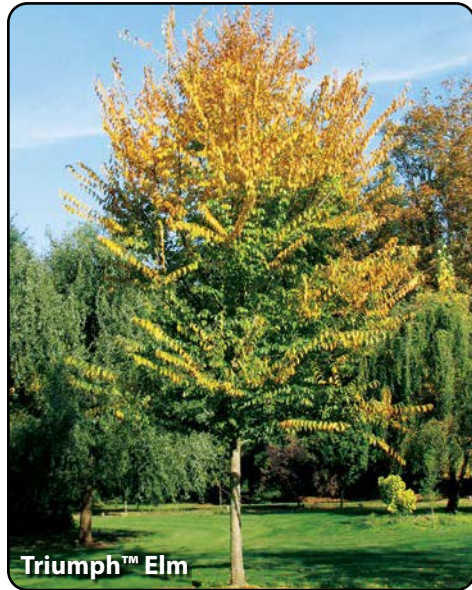
Ulmus 'Patriot'
Patriot Elm



Zone: 4
Height: 50'
Spread: 40'
Shape: Upright, narrow vase
Foliage: Dark green
Fall Color: Yellow

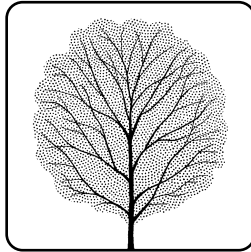
DISEASE TOLERANCE:
Dutch elm disease and phloem necrosis

- Bare Root**
5 ft., whip
6 ft., whip
7 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched



Triumph™ Elm

Ulmus 'Morton Glossy'
Triumph™ Elm
Royalty \$.60



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

- Bare Root**
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
9 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched

- Container**
#5 5 foot
#7 6 foot
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper

Zelkova

Zelkova serrata 'JFS-KW1' PP 20996
City Sprite® Zelkova
Royalty \$1.75 | Part of the Sprite™ family of trees.

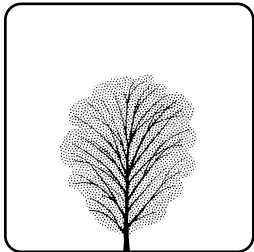


Zone: 5
Height: 24'
Spread: 18'
Shape: Compact oval to vase
Foliage: Bright green, fine textured
Fall Color: Yellow

- Bare Root**
4 ft., whip
5 ft., whip
4 ft., branched
5 ft., branched
6 ft., branched
1" cal., branched
1¼" cal., branched
1½" cal., branched
1¾" cal., branched

- Container**
5RP VigorLiner®
#15 1¼" caliper
#20 1½" caliper
#25 1¾" caliper
#25 2" caliper

Ulmus wilsoniana 'Prospector'
Prospector Elm



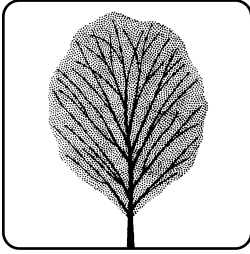
Zone: 4b
Height: 40'
Spread: 30'
Shape: Vase
Foliage: Deep green, glossy
Fall Color: Yellow

INSECT RESISTANCE: elm leaf beetle
DISEASE TOLERANCE:
Dutch elm disease and phloem necrosis

- Bare Root**
5 ft., whip
6 ft., whip
7 ft., whip
8 ft., whip
5 ft., branched
6 ft., branched
1" cal., branched



Zelkova serrata 'Green Vase'
Green Vase® Zelkova
 Royalty \$.75

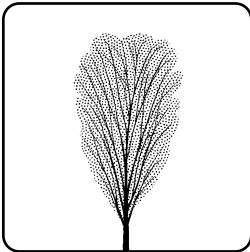


Zone: 5
Height: 45'
Spread: 30'
Shape: Vase with upright arching branches
Foliage: Green
Fall Color: Orange

- Bare Root**
 4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched
 1¾" cal., branched

- Container**
 3RP VigorLiner®
 #5 5 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper

Zelkova serrata 'Musashino'
Musashino Columnar Zelkova



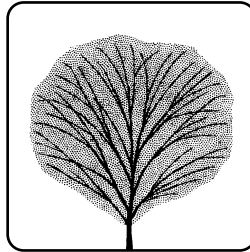
Zone: 5
Height: 45'
Spread: 15'
Shape: Very narrow upright vase
Foliage: Medium green
Fall Color: Yellow

- Bare Root**
 4 ft., whip
 5 ft., whip
 6 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

- Container**
 3RP VigorLiner®
 #5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper
 #25 2" caliper



Zelkova serrata 'Village Green'
Village Green™ Zelkova
 Royalty \$.50



Zone: 5
Height: 40'
Spread: 40'
Shape: Rounded vase
Foliage: Deep green
Fall Color: Rusty red

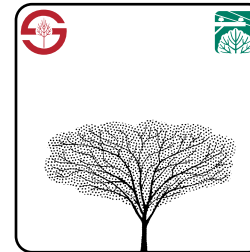
- Bare Root**
 4 ft., whip
 5 ft., whip
 6 ft., whip
 7 ft., whip
 8 ft., whip
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched
 1½" cal., branched

- Container**
 3RP VigorLiner®
 #5 5 foot
 #7 6 foot
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper



Musashino Columnar Zelkova

Zelkova serrata 'Schmidtlow'
Wireless® Zelkova
 Royalty \$1.75



Zone: 5
Height: 24'
Spread: 36'
Shape: Broadly spreading vase
Foliage: Medium green
Fall Color: Red

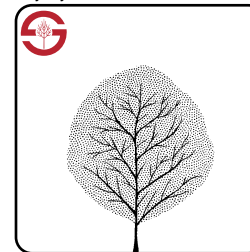
- Bare Root**
 5 ft., branched
 6 ft., branched
 1" cal., branched
 1¼" cal., branched

- Container**
 3RP VigorLiner®
 #5 5 foot
 #7 6 foot
 #10 1" caliper
 #15 1¼" caliper
 #20 1½" caliper
 #25 1¾" caliper



Zileration® Zelkova

Zelkova serrata 'JFS KW4ZS' PP 34818
Zileration® Zelkova
 Royalty \$2.50



Zone: 5
Height: 30'
Spread: 25'
Shape: Compact vase
Foliage: Dark green, fine textured
Fall Color: Rusty orange

- Bare Root**
 4 ft., branched
 5 ft., branched
 6 ft., branched
 1" cal., branched

- Container**
 #5 5 foot
 #7 6 foot
 #15 1¼" caliper

Fruit Trees

Backyard orchard culture is a hot trend that gains new converts every year. Health conscious gardeners want to eat fresh and eat local, and nothing is fresher, or more local, than juicy nutritious fruits plucked from one's own trees.

You can capitalize on this gardening trend by offering a collection of ready-to-plant fruit trees. These sturdy, well-branched bare root trees established in #7 containers are an ideal size for home gardeners, who find delight in harvesting fruit in the first season after planting. Four-in-one combinations fit perfectly in small gardens.

We offer the most popular and best-selling varieties as well as unusual cultivars and rare interspecific hybrids. Use this table to choose the best combination to suit your local growing conditions and customer preferences.

Photos and detailed descriptions of our fruit trees, their approximate ripening times, recommended pollinizers, rootstocks and other details are found at www.jfss.co/fruit.



Find individual listings in the orange boxes, listed by genus on these pages.

Persimmon Page 36 | **Apple** Page 46 | **Apricot and Cherry** Page 58

Nectarine, NectaPlum®, Peach, Pluerry®, and Pluot®, Plum and Prune Page 61 | **Pear** Page 62

Fruit Tree Rootstocks

Variety	Rootstock	Variety	Rootstock
Diospyros - Persimmon		Prunus - Miniature Peach	
Fuyu ('Jiro')	D. Lotus	Bonanza, Bonfire, Garden Gold, Garden Sun, Honey Babe, Pix Zee	Lovell or Nemaguard
Malus - Apple		Prunus - Pluerry®	
3-in-1 Combo, 4-in-1 Combo, Braeburn, Fuji, Gala, Golden Delicious, Granny Smith, Gravenstein, Honeycrisp, McIntosh, Pink Lady, Red Delicious	M106, M-7 or M-111	Sweet Treat	M-7
Prunus - Apricot		Prunus - Pluot®	
Blenheim, Chinese, Harcot, Montrose, Moorpark, Perfection, Tilton, Wenatchee Moorpark	Citation or Myrobalen 29C	Dapple Dandy, Flavor King	Citation or Myrobalen 29C
Prunus - Cherry		Prunus - Plum	
4-in-1 Combo, Bali, Bing, Montmorency, Rainier, Stella, Utah Giant, Van	Mazzard or Maxma® 14	Burgundy, Elephant Heart, Santa Rosa, Satsuma, Superior	Citation or Myrobalen 29C
Prunus - NectaPlum®		Prunus - Prune	
Spice Zee	Lovell	Italian, Stanley	Citation or Nemaguard
Prunus - Nectarine		Pyrus - Asian Pear	
Arctic Babe, Fantasia, Flavortop, Heavenly White, Nectar Babe	Lovell or Nemaguard	20th Century	OHxF 333
Prunus - Peach		Pyrus - Pear	
Contender, Elberta, Frost™, Redhaven, Reliance, Snow Beauty, Veteran	Lovell	4-in-1 Combo, Bartlett, Comice, D'Anjou, Red D'Anjou, Sensation Red Bartlett	OHxF 333

For photos and detailed information about our fruit trees, please visit www.jfss.co/fruit

Whips

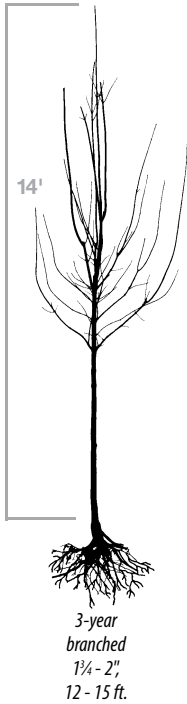
Whips are almost always one-year-old tops. They range from being completely unbranched to being lightly branched on the lower stem. Ash, Linden, Honeylocust and Kentucky Coffee Tree will generally be completely free of branches. Some species branch naturally at a young age, and others do not. Red Maples, and to a lesser extent Sugar Maples and Crabapples, tend to branch freely off one-year growth. Any branches above 2 or 2½ feet from the ground are left on whips to help increase caliper and thus provide a sturdier stem.



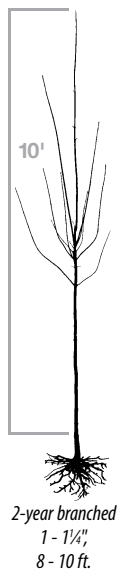
1-year whip
7 - 8 ft.

Branched Shade Trees

Varieties including Honeylocust, Ash, Birch, Linden, Oak and some Maple have naturally straight central leaders and radiating lateral branches. Varieties that are not free branching, such as Sugar Maple and certain oaks, are topped while dormant to promote symmetrical branching during the next growing season.



3-year
branched
1 1/4" - 2"
12 - 15 ft.



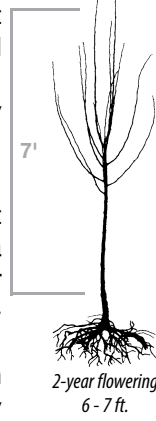
2-year branched
1 - 1 1/4"
8 - 10 ft.

A single dominant straight leader is then established by hand taping the top shoot. Varieties that branch well are not topped. In either case, the resulting tree has a straight leader and symmetrical branching. In general, 6-8' and 1"-1¼" grade trees are two years old. Most trees of larger sizes are three years old, possessing fuller heads and more secondary branching.

Branched Flowering Trees

Flowering Crabapples, Cherries and Hawthorns are generally 2-year-old trees topped at 4 to 5 feet, depending on cultivar. A leader is reestablished by taping. Certain Flowering Pear, Plums, Snowbell and others have dominant central leaders and branch well naturally. These are generally untopped.

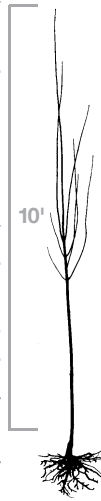
Head height, symmetrical branching and straight central leader create a structural foundation for a premium quality caliper tree for the growers, while the heavy branch structure and full canopy serve the needs of the garden center and those growers who service garden centers by finishing bare root trees in containers.



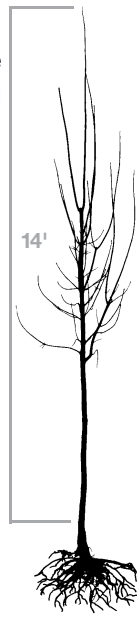
2-year flowering
6 - 7 ft.

Light Branched Trees

These trees have the same general form as our regular branched grade. Caliper is the same, but, light branched trees differ in having fewer and/or shorter branches. Often a good, economical choice for growers who are lining out trees, as they generally thin out and prune back branches at planting time. Landscapers and garden centers may prefer to use regular branched grade trees, as they don't have the time to let a light branched tree mature to a saleable form.



2-year light
branched
1 - 1 1/4"
8 - 10 ft.



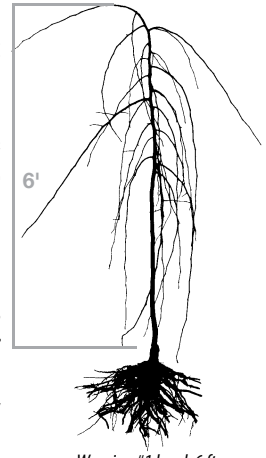
3-year light
branched
1 1/4" - 2"
12 - 15 ft.

Weeping & Head Grade Trees

Weeping and top-grafted forms of Flowering Cherry, Crabapple, Mulberry, Redbud, and others are graded by head quality.

Certain compact forms of Crabapple, Cherry, Hydrangea, Ninebark, Tree Lilac and others are also graded by head quality.

Heavy select and #1 head grades should be used for landscape installations and quality garden center sales. #1 light head and #2 head grades are lighter and less full, and therefore offered at a lower price. They are an economical choice for growers who line out stock for several years.



Weeping #1 head, 6 ft.

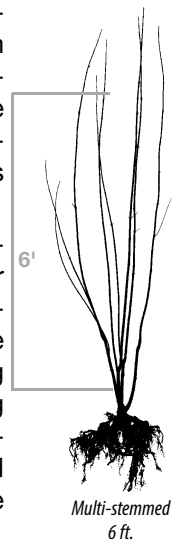
Multi-Stem, Clump and Singles for Clumping

A variety of trees are grown with multiple stems, and identified herein as "multi-stem" or "clump."

Multi-stem trees are created by stubbing a plant just above ground level and encouraging several stems to grow from that single root. Multi-stem varieties include Maples, Redbud, Crabapples, Serviceberries and more.

Clump forms are offered in our container and Root Pouch® product lines. Clumps are created by arranging several individual young plants within the container. Birch, Aspen and Goldenrain Trees are grown in this manner.

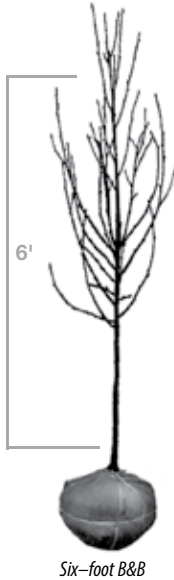
Growers can create their own unique birch clump forms by customizing the number of stems, planting angles and spacing between stems. See Page 23 for details on our "Singles for Clumping" grade.



Multi-stemmed
6 ft.

Balled & Burlapped Trees

B&B trees are appropriate for lining out in the field, landscape installation, immediate garden center sales, or containerizing for future sale. Our B&B line complements bare root production by offering balled and burlapped trees of varieties that are difficult to handle bare root. Some varieties are offered B&B as well as bare root so growers can choose the type of liner that works best for them.



Six-foot B&B

Containerized Trees

Our containerized trees are a much different product than traditional “container-grown” trees that are propagated in containers and grown to larger size by shifting up to a larger container size as the plant matures. By “containerized,” we mean that most of our deciduous trees are field grown to nearly finished size, harvested bare root, and then established in containers to make them available for year-round sales. Containerized in a bark medium in early spring, trees receive intensive care throughout the growing season that includes careful pruning, fertilization, weed control and optimal irrigation.

During their years in the field, special cultural techniques including pruning, transplanting and undercutting help to tailor trees for finishing in containers. Unlike many “container-grown” trees, our field-grown, containerized trees have strong, straight trunks with heavy caliper in relation to height. Generously graded by height and caliper as well as container size, our trees are generally larger than those sold by container or box size alone. They possess balanced, well-developed root systems that quickly establish themselves first in the container, and then in the landscape. A portion of our B&B crop is also containerized in order to make our conifers, Japanese maples and other species available throughout the year.

Our garden center and landscape trees are offered in plastic pots that range in size from #5 to #25. Our largest container trees grow in 28" and 32" plastic-lined wire baskets, measured by the diameter across the top.



Red Sunset® Maple
#10 Container

Root Bags

Field-grown trees in root bags have better survival rates and more vigorous first season growth than bare root plants of the same varieties. Inside the bag, roots penetrate the fabric but are constricted, causing a proliferation of roots with high carbohydrate reserves.

Small ball sizes make them easier to handle and lighter to ship than B&B products. Although the cost is higher than that of a bare root tree of the same grade, the advantages of speedier growth and quicker establishment after transplanting make them a good value.

What's good for tree roots is also good for the environment. Our fabric containers, whether destined for above ground or in ground production, are made from 100% recycled materials, a mix of natural fibers and resins made from recycled plastic water bottles. Root Pouch representatives tell us that our nursery's use of their products since 2012 has helped to divert more than 1.5 million water bottles from our country's landfills.



An inside look at the root development in our field-grown root bags



Crimson Spire™ Oaks grown in Root Pouch® fabric containers.

Vigor LINER®

Our VigorLiner® product line is primarily composed of deciduous trees that are difficult to produce and transplant via bare root methods. Some varieties that are traditionally produced bare root are also offered as VigorLiner® trees so growers can choose the best option for their production process.

Depending on their needs, trees are established in Root Pouch® fabric containers or in our specially designed air-pruning containers. The latter feature evenly spaced, vertical slots that eliminate circling roots and produce fibrous root systems. Improved air circulation and drainage reduce incidence of root disease.

Root Pouch® fabric containers retain moisture more readily than the slot-style containers while offering the same advantages of root pruning and prevention of circling roots. These brown fabric bags are an above-ground version of the Root Pouch® fabric bags that we use in our fields with great success. Distinctive for their ground-hugging shape that reduces the incidence of toppling over in the wind, they feature stout fabric handles that make them easy to manage in the nursery, garden center, or in the fields at planting time.

Air-pruned, branched, white root tips found in both types of containers are visible evidence of the healthy, vigorous root systems we produce in our VigorLiner® program.

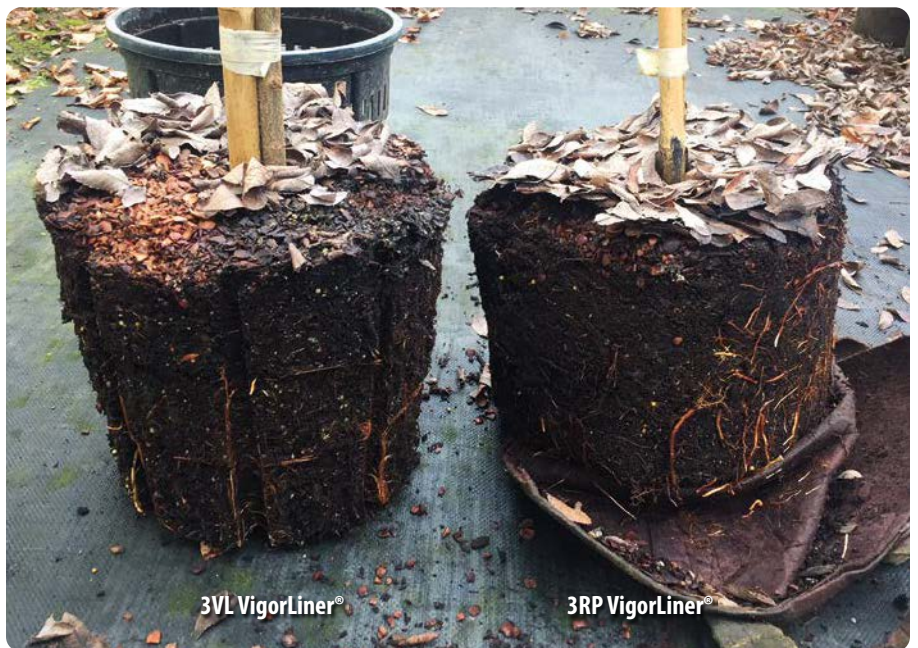
Specimen tree growers find our VigorLiner® trees to be excellent field liners. Container growers praise them as ideal for shifting up into larger containers. While they may be planted year-round, growers in milder climates find VigorLiner® trees to be tailor-made for fall planting. This practice encourages root establishment in the fall and winter that will support vigorous spring growth.



3VL VigorLiner® Container



3RP VigorLiner® bag



3VL VigorLiner®

3RP VigorLiner®



3VL VigorLiner® Ginkgo trees

For a list of currently produced VigorLiner® trees, please visit:

www.jfss.co/vl

Grow Straight[®]

Plant Growth Control Stake

The Schmidt Grow Straight[®] stake is used by growers internationally with renowned success. It is a metal device scientifically designed to eliminate “dog-legs” 100%.

In addition to growing straight trees, the Grow Straight[®] stake also provides other advantages. It will:

Protect the shoots against wind, storms, animals and other dangers.

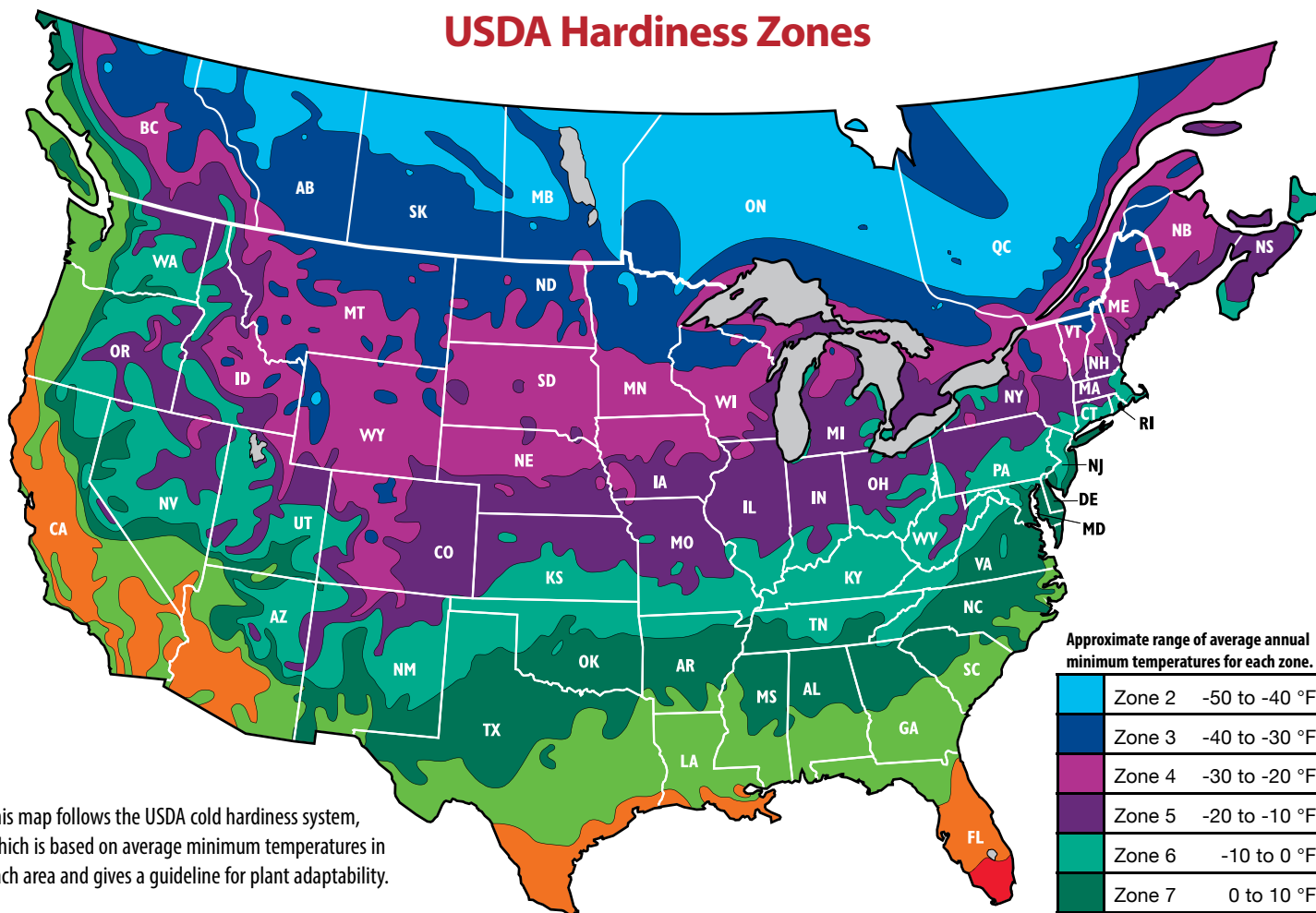
Provide a stronger union.

Eliminate the need for training stakes in many cases.

Please contact us for pricing and details on purchasing.



USDA Hardiness Zones



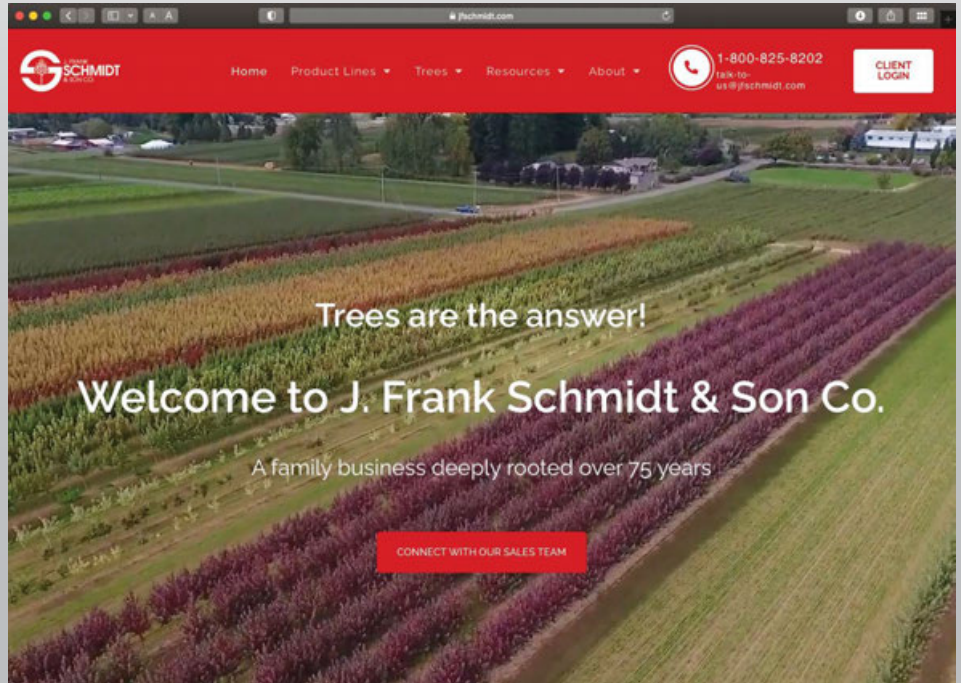
This map follows the USDA cold hardiness system, which is based on average minimum temperatures in each area and gives a guideline for plant adaptability.

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.

A new look for an old friend - jfschmidt.com

Since 1995, www.jfschmidt.com has been a trusted, go-to website for tree information. Nearly 30 years later, that old friend has a brand-new look and feel. Its ease of use will endear it to a new generation of JFS customers, their customers, specifiers, and tree advocates around the world. Mobile-friendly, it includes a retailer locator so consumers can easily connect with JFS customer nurseries that carry our trees. A searchable plant database is rich with information and photos of the trees we grow. A customer portal is in the works. You'll find our current availability, quick links to our regional sales representatives and Oregon-based staff, informative videos, our all-new blog, downloadable catalog, retail signage, tree fact sheets and many other resources.



Tree LocatorSM

TreeLocatorSM is among the many ways we help our customers market their trees. It's designed to build relationships between our customers and tree specifiers including landscape architects, designers, urban foresters and landscape contractors.

Tree specifiers:

Can't find a local source for trees described in our catalog and reference guide? We invite you to call or fax our Oregon office with your "want list" of the trees we grow. We'll match your needs with growers in your area who have purchased our liners for growing on to finished size. We'll provide their names so you can call them directly for availability. We're sure you'll find TreeLocatorSM to be a useful tool for finding the finest trees.

Growers:

TreeLocatorSM helps to bridge the gap between the demand for some of our newer cultivars and unusual varieties, and local availability. When you purchase our liners for planting and growing on to landscape size, your company name and purchase history is entered into our TreeLocatorSM database. This is shared with specifiers who call us in search of the finest trees. It's working - ask your Schmidt sales representative for examples of tree sales that occurred for our customers, thanks to referrals from TreeLocatorSM.

Request a TreeLocatorSM query, customized just for you, by calling 1-800-825-8202 or filling out the form at www.treelocator.info



UTILITREESTM

Trees worthy of our UtiliTreesTM designation are those best suited for planting in the restricted zone between street and sidewalk and beneath utility lines. Their short stature at maturity makes them less likely to tangle with overhead lines.

Pedestrian-friendly branching is compact or vase-shaped to allow

for pruning without destroying the shape of the tree. These disease and pest-resistant cultivars require minimal maintenance and are tolerant of varied soils, climates and urban growing conditions.

Landscape architects, urban foresters, utility company arborists and other tree specifiers are invited to use our TreeLocatorSM service to find these trees in their region, grown to landscape size by our customers.



Visit www.utilitrees.com to download a PDF that contains all of our UtiliTreesTM selections.

Our UtiliTreesTM selections are identified throughout the catalog with this icon.



Color Your Walls!

Our colorful posters are great sales tools. Inspire your customers to buy trees by displaying these informative posters in your garden center, nursery office, landscape distribution center, design studio, classroom or botanical garden.

Each of the five posters features 22 of our finest trees – a mix of new and tried-and-true species and cultivars. They're grouped into five categories: Spectacular Shade Trees, Oaks & Elms, Majestic Maples, Crabapples & Dogwoods, and Fantastic Flowering Trees. Perfect for framing, they're designed to fit into standard 24" x 36" poster frames.

Poster sets are distributed free of charge at green industry events and delivered to customers by our sales representatives. Green industry professionals may request a set by calling our office.



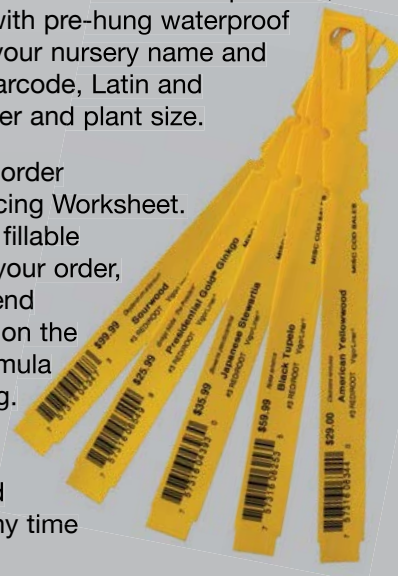
Custom Picture Tags

Big, bright, beautiful picture tags are sure to increase your tree sales. Each custom tag features an eye-catching photograph, a detailed description of the tree, and a Tree Form drawing that portrays size and shape at maturity. On the reverse, you'll find a second photograph, planting instructions, and space for you to customize the tag with your nursery name, retail price or other information. Custom picture tags are provided on container material sized from #5 – #25. They are also available for purchase at \$.50 each to accompany your bare root, B & B, root bag, Root Pouch® or VigorLiner® order.

Pre-pricing service for container trees

Simplify and save time and labor by using our product pre-pricing service for container trees. For \$.60 per item, your plants will be shipped with pre-hung waterproof retail strip tags that include your nursery name and retail price, corresponding barcode, Latin and common names and container and plant size.

We will email a copy of your order accompanied by our Pre-Pricing Worksheet. The worksheet will include a fillable column for pricing items on your order, however, we highly recommend offering retails for ALL items on the worksheet or providing a formula to calculate your retail pricing. Formula calculation helps simplify and expedite the process of adding retails and assures order additions at any time will arrive to you pre-priced.



Trunk Wraps

Eight of our most popular containerized trees in #5 to #15 sizes are shipped with colorful trunk wraps that illustrate seasonal features, mature form and planting instructions. These unique point-of-purchase aids are sure to inspire garden center shoppers to buy. Also available to bare root and B&B customers for \$1.50 each, we currently offer trunk wraps for these cultivars: Redpointe®, Armstrong Gold®, Flashfire®, Crimson Sunset® and Urban Sunset® Maples, June Snow™ Dogwood, Espresso™ Kentucky Coffee Tree, Emerald City® Tulip Tree, Royal Raindrops® and Sparkling Sprite® Crabapples.



The deadline for submitting retail pricing is **MARCH 15th**.

ORDERS:

New customers must submit a customer information form and credit application (if credit is requested). Orders must make minimum dollar requirements listed on page 4 and are subject to acceptance by our credit department before being acknowledged. J. Frank Schmidt & Son Co. may choose to cancel items off orders should stock be damaged or destroyed through causes beyond our control or unforeseen adjustment in inventory. Customers will be notified of any changes to their orders.

PRICES:

Prices are quoted in US Dollars, and replace all previous prices offered by J. Frank Schmidt & Son Co. Prices do not include freight costs or royalties. (additional fees may apply outside of the U.S.)

CANCELLATIONS:

Order cancellations must be received prior to these deadlines:

**Bare Root, B & B and Root Bag Material
December 1st**

The following restocking fees apply to orders cancelled after December 15th:
December 15th-January 31st - 10%
February 1st - March 15th - 15%
Beyond March 15th - 20%

**Cancellations after March 15th will drop next year's order into the 2nd round of allocations.*

**Container and VigorLiner®
April 1st**

Orders will be released to open availability April 15th if shipping dates have not been confirmed.

A 10% restocking fee will apply to cancellations made after May 1st.

**Please keep in mind that late cancellations may jeopardize future fill rates and unpaid restocking fees will forfeit next year's order.*

SHIPPING:**DOMESTIC & CANADIAN:**

Prices for trees are FOB freight collect J. Frank Schmidt & Son Co. All shipments travel at the risk and cost of the purchaser. Our responsibility ceases and title is transferred on delivery to the common carrier. In the unlikely event damage or loss may occur, we stand ready assist you with claims against the carrier.

Freight is billed separately by either JFS or the carrier and is due within 10 days of invoice date as required under federal ICC regulations. Failure to make prompt payment of freight bills may jeopardize the scheduling of future shipments, and/or placement of future orders with J. Frank Schmidt & Son Co.

J. Frank Schmidt & Son Co. strongly recommends refrigerated transportation for all plant material. In the event that the purchaser chooses to use unrefrigerated transportation or over the rail, the purchaser agrees to indemnify and hold harmless J. Frank Schmidt & Son Co. and the carrier(s) for all losses or liabilities.

Shipments requiring phytosanitary and/or fumigation:

Direct expenses incurred for phytosanitary certificates and fumigation of trees as required for shipment will be passed on to the Purchaser.

INTERNATIONAL:

Prices are F.C.A. J. Frank Schmidt & Son Co. All transportation arrangements, costs and risks are the responsibility of the purchaser. Our responsibility ceases on delivery to carrier. Direct expenses incurred for phytosanitary certificates and fumigation of trees as required for shipment to international destinations will be passed on to the Purchaser

SHIPPING TIMEFRAMES:**Bare Root, B & B, and Root Bag****shipping season:**

January 1 – May 31st

B & B material shipped after May 15th

is subject to a 10% maintenance fee.

Claims for bare root trees shipped after May 1st may not be considered under full plant guarantee.

Container and VigorLiner® shipping season:

Orders for current catalog year crop must ship before June 30.

TERMS:

Payment terms for approved open credit accounts are NET 30 days from invoice date.

Open credit account agreements incorporate all terms and conditions contained herein, on our invoices and any other referenced documents, supplements or amendments.

Terms and Conditions of sale include: The Catalog, invoices, bills of lading, letters of agreement, credit applications and all information supplied by the customer. All are components of this sale contract.

A service charge of 1½% per month (18% per annum) will be assessed on all overdue accounts.

All customers must provide JFS with a valid resale certificate, in the event you are unable to provide a valid resale certificate JFS reserves the right to cancel your order and/or charge you the appropriate sales tax for the state that the product is delivered to.

For new orders with an immediate ship date, we offer the convenience of using your Visa®, MasterCard®, Discover®, or Online ACH Payment. Customers will be charged the appropriate credit card fees associated with the transaction.

Any change in Customer Ownership will require a new Credit Application

Download a Credit Application from our website by navigating to Resources>Order Form: www.jfschmidt.com.

J. Frank Schmidt & Son Co. holds a security interest in all nursery stock sold and may require such documents as needed to perfect such interest.

Where applicable, J. Frank Schmidt & Son Co. may request information required to send lien or bond claim notices as required by state and/or federal law to preserve its rights to file a lien or bond claim.

Deposits for international orders are non-refundable.

PLANT GUARANTEE:

J. Frank Schmidt & Son Co. expressly warrants that all trees purchased are true to name and in good, healthy condition when they leave the nursery and holds itself in readiness, on proper proof, to replace all such nursery stock that may prove otherwise. J. Frank Schmidt & Son Co. expressly disclaims any other warranty, expressed or implied, as to productiveness or growth, as to results secured in transplanting, or any other consequential damages. This warranty is not transferable and is void if payment of the contracted price for all nursery stock shipped is not made in full when due. THIS WARRANTY IS IN LIEU OF ALL OTHER WRITTEN OR ORAL, EXPRESSED OR IMPLIED WARRANTIES. J. FRANK SCHMIDT & SON CO HEREBY EXPRESSLY DISCLAIMS ANY SUCH WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

CLAIMS:

Claims for any tree death found upon arrival of nursery stock must be submitted within 10 days after delivery to be considered for credit. Questionable trees for claim must be evaluated in-person with your Outside Sales Representative. Evaluations and other general claims will be submitted to JFS then reviewed in September at which time appropriate credits will be considered. Bare Root, Ball & Burlap and Root Bag claims will not be accepted for credit if submitted after October 15th. We shall in no case be liable for any sum greater than the amount originally received for said nursery stock. Product claims stemming from damage incurred during transportation should be made with the transportation company.

PLANT PATENTS:

All Nursery Stock bearing plant patent identification numbers have been produced under license from the patent owners. Propagation or reproduction of these varieties without permission of the plant owner is in violation of plant patent law.

DISPUTES:

In the event a dispute arises as to the enforcement of any of the terms or provisions of this agreement, J. Frank Schmidt & Son Co. will be entitled to all costs incurred including, but not limited to attorney fees, whether or not any legal proceeding is initiated. In any action to enforce this agreement, the prevailing party shall be entitled to recover its costs, disbursements, and attorney fees in connection with such action and any appeal or review. Should it become necessary to file suit to enforce this agreement, such suit shall be brought in the County of Clackamas, State of Oregon.

Our product lines are sold under these two discount schedules which are designed to maximize your volume discount opportunities. While calculated separately, purchases under each product line schedule accumulate throughout the sales year (July 1 – June 30) extending discounts on your orders to the highest possible levels.

The earned dollar volume is re-calculated per shipment and includes any remaining products on order. Discounts are given per the dollar volume at the time of shipment and are not retroactive.

Royalties owed to patent and trademark owners are stated throughout the catalog, beneath the name of each plant to which they apply. Royalties are in addition to the price of the plant. Designated separately on your invoice, royalties are collected by us and paid to the owner of the rights.

Bare Root, B&B and Root Bag Discount Schedule

Dollar Volume	Discount
\$7,500 - \$14,999	4%
\$15,000 - \$22,499	6%
\$22,500 - \$29,999	8%
\$30,000 - \$37,499	9%
\$37,500 - \$52,499	10%
\$52,500 - \$74,999	12%
\$75,000 - \$112,499	15%
\$112,500 - \$149,999	17%
\$150,000 - \$262,499	20%
\$262,500 - \$374,999	22%
\$375,000 - and up	25%

Container and VigorLiner® Discount Schedule

Dollar Volume	Discount
\$4,800 - \$7,999	2%
\$8,000 - \$15,999	3%
\$16,000 - \$23,999	4%
\$24,000 - \$31,999	5%
\$32,000 - \$39,999	6%
\$40,000 - \$47,999	7%
\$48,000 - \$55,999	8%
\$56,000 - \$63,999	9%
\$64,000 - \$79,999	10%
\$80,000 - \$95,999	11%
\$96,000 - \$111,999	12%
\$112,000 - \$135,999	13%
\$136,000 - \$159,999	14%
\$160,000 and up	15%

Prepayment Discount Rebate

Open credit accounts may earn a 4% (APR) prepayment discount between the prepayment date and invoice date. The percentage is reviewed annually for adjustment to ongoing rates. The rebate is credited to your account once all shipments are completed.

<i>Acer</i> (Maple)..... 5	Crabapple – <i>Malus</i> 46	Pine – <i>Pinus</i> 56
<i>buergerianum</i> (Trident)..... 5	<i>Crataegus</i> (Hawthorn) 35	<i>Pistache</i> 56
<i>campestre</i> (Hedge)..... 5	Dawn Redwood – <i>Metasequoia</i> 53	Planetree – <i>Platanus</i> 56
<i>circinatum</i> (Vine)..... 6	Dogwood – <i>Cornus</i> 31	Plum, Purple Leaf – <i>Prunus</i> 61
<i>freemanii</i> 6	Elm – <i>Ulmus</i> 74	Pond Cypress – <i>Taxodium</i> 71
<i>ginnala</i> (Amur)..... 7	<i>Eucommia</i> (Hardy Rubber Tree) 36	<i>Populus</i> (Aspen, Cottonwood, Poplar)..... 57
<i>grandidentatum</i> (Bigtooth)..... 7	<i>Fagus</i> (Beech)..... 36	Poplar – <i>Populus</i> 58
<i>griseum</i> (Paperbark)..... 8	Filbert – <i>Corylus</i> 34	<i>Prunus</i> (Cherry, Japanese) 58
<i>henryi</i> (Henry)..... 9	<i>Franklinia</i> (Franklin Tree)..... 37	<i>Prunus</i> (Bird Cherry)..... 58
<i>japonicum</i> (Fullmoon)..... 9	<i>Fraxinus</i> (Ash)..... 37	<i>Prunus</i> (Chokecherry)..... 58
<i>macrophyllum</i> (Bigleaf) 9	Fringe Tree – <i>Chionanthus</i> 30	<i>Prunus</i> (Plum, Purple Leaf)..... 61
<i>miyabei</i> (Miyabe)..... 9	<i>Ginkgo</i> (Maidenhair Tree)..... 38	<i>Pyrus</i> (Pear, Flowering)..... 62
<i>negundo</i> (Box Elder) 9	<i>Gleditsia</i> (Honeylocust)..... 39	<i>Quercus</i> (Oak)..... 63
<i>nigrum</i> (Black)..... 10	Goldenrain Tree – <i>Koelreuteria</i> 43	Redbud – <i>Cercis</i> 27
<i>palmatum</i> (Japanese)..... 10	<i>Gymnocladus</i> (Kentucky Coffee Tree)..... 40	<i>Robinia</i> (Locust)..... 68
<i>platanoides</i> (Norway) 11	Hackberry – <i>Celtis</i> 26	Rose of Sharon – <i>Hibiscus</i> 42
<i>pseudosieboldianum</i> (Korean) 12	<i>Hamamelis</i> (Witch Hazel)..... 41	<i>Salix</i> (Willow)..... 68
<i>rubrum</i> (Red)..... 12	Hardy Rubber Tree – <i>Eucommia</i> 36	<i>Sassafras</i> 68
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in the orange boxes, listed by
genus on these pages.**

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Prices published herein are based on present market conditions and are subject to change without notice. All reasonable precaution has been taken to ensure their accuracy. However, we will not honor pricing errors and reserve the right to refuse or cancel any orders placed for any product listed at the incorrect price.

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Visit Us!

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 that we grow, and would like to show them to you. A personalized tour of our fields will help us to serve your plant needs better than ever.

The J. Frank Schmidt, Jr. Arboretum is always available for customer use and enjoyment. Established in the 1980's, it showcases over 400 species and varieties of deciduous trees, plus numerous shrubs and conifers. The show of flower, fruit, foliage and form changes daily throughout the year. The Schmidt family and staff welcome your visit. We encourage you to bring your camera and enjoy.



Our Mission

Innovation and integrity guide our commitment to grow exceptional trees while providing outstanding service and support to our customers and the horticultural community.

Our team accomplishes this mission by leveraging decades of institutional knowledge and green industry partnerships while pursuing continuous improvement in all endeavors.

Our family-run company fosters an environment of fairness, respect and mutual success where our team can thrive as we lead the way in producing trees for a greener, healthier world.



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Sprite*
CRABAPPLE



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Oak



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Nightfall
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