



New Trees
2018-2019



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

Columnar form of this vigorous and unusual sport of Bloodgood makes it a fine choice for containers, courtyards and small spaces. Spring foliage emerges bright red and darkens to burgundy in summer. Attractive bark and twigs are dark red and add winter interest.



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

Narrower in form and reputed to be more heat tolerant than Bloodgood, its foliage maintains its rich color through the heat of summer before turning bright scarlet red in autumn. Late to leaf out in spring, it's a good choice where late frosts may damage tender spring foliage.



Cercis canadensis 'Pink Trim'
Northern Herald® Redbud

Zone: 3b | **Height:** 20' | **Spread:** 20'



Shape: Rounded
Foliage: Dark green, leathery
Fall Color: Yellow
Flower: Bright magenta pink, profuse
Fruit: Sparse

This extremely cold hardy selection discovered in central South Dakota brings bright pink blooms to prairie and mountain landscapes. Introduced by North Dakota State University, its dark green, leathery leaves are heat resistant and wind tolerant.



Magnolia x loebneri 'Ruth' P.A.F.
Spring Welcome® Magnolia

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

Pink buds unfurl to large, white, multi-petaled blooms that are followed by clean, dark green, heat tolerant leaves. Tested and introduced by NDSU, this pest free, pH adaptable, winter hardy selection blooms reliably even after early spring frosts and winter lows of -35 °F.



Cercis canadensis 'Morton'
Joy's Pride™ Redbud

Zone: 5 | **Height:** 15' | **Spread:** 20'



Shape: Oval to spreading
Foliage: Green, heart-shaped
Fall Color: Yellow
Flower: Bright lavender pink

Bright blooms bring joy to Morton Arboretum visitors, where Joy's Pride™ was discovered and named for the arboretum's founder, Joy Sterling Morton. Proven reliably cold hardy by Chicagoland winters in which temperatures have plunged as low as -34 °F.



An extensive selection, breeding and testing program is key to our successful introduction of more than 100 unique flowering trees to the marketplace. New introductions may be the product of our own breeding and selection programs, or as co-introductions with others who bring their unique discoveries to us for testing and introduction. They are indicated by the Schmidt logo located inside the Treeform illustration box.



Cornus 'Rutpink' PP 28311

Scarlet Fire® Dogwood

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

Dramatic fuchsia-pink blooms float atop dark green foliage in late spring and last for several weeks. Each bloom, formed by pointed bracts that do not overlap, resembles a four-pointed star. Leaves emerge with purple blush. Developed by Dr. Tom Molnar at Rutgers University.



Pyrus 'NCPX2' P.A.F.

Chastity™ Pear

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

This exciting new introduction should replace other flowering pears in areas where invasiveness is a concern. A triploid hybrid that is very ornamental and highly infertile, Chastity™ Pear was specifically bred to prevent weediness by Dr. Tom Ranney of North Carolina State University.



Malus 'JFS KW139MX' P.A.F.

Ruby Dayze™ Crabapple

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, ¼"

DISEASE RESISTANCE:

Scab: Excel. **Fireblight:** Excel.

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

This tree scores on all fronts, featuring the most scab resistant foliage among red-leaved crabs that we have yet seen. Growers will love its more upright, tightly oval shape, as will those who maintain landscapes and streetscapes. Beautiful bright magenta-pink flowers are abundant in spring. Deep red fall fruits are tiny and persistent.



Betula nigra 'Dickinson'

Northern Tribute® Birch

Zone: 3 | Height: 35' | Spread: 30'



Shape: Upright oval
Foliage: Lustrous dark green
Fall Color: Yellow

INSECT RESISTANCE:

Bronze birch borer

Superior cold hardiness and adaptability to compacted, dry and varied soils including alkaline. Selected from a large, vigorous seedling found in western North Dakota and introduced by NDSU. Smooth ivory-white bark exfoliates in coppery bronze curls.



Betula platyphylla 'Jefpark' PP 25468

Parkland Pillar™ Birch - First Editions®

Zone: 3 | Height: 30' | Spread: 8'



Shape: Narrow, columnar
Foliage: Dark green
Fall Color: Yellow

INSECT RESISTANCE:

Japanese Beetle

A fast growing very cold hardy tree well suited to the prairie & urban landscape. Tolerant of heat, drought and alkaline soils. Forms a narrow column of dense dark green foliage that turns golden yellow in the fall, revealing its white bark during the winter months. An excellent accent or screen tree.



Acer x freemanii 'Bailston'

Matador™ Maple – First Editions®

Zone: 4 | Height: 45' | Spread: 35'



Shape: Upright, oval
Foliage: Green
Fall Color: Bright red

A tough, hardy maple with upright, symmetrical form and adaptability to varied soils. Deep red, long lasting fall color is consistently bright and appears later in the season than is typical of *A. freemanii* cultivars.



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

Bud break that takes place two to three weeks later than is typical of the species allows this U. S. National Arboretum release to be successfully grown in areas subject to late spring freezes.



Cornus kousa chinensis 'Galzam'

Galilean® Dogwood

Zone: 4 | Height: 25' | Spread: 20'



Shape: Vase
Foliage: Dark green
Fall Color: Orange yellow
Flower: White
Fruit: Red

Large, hunter green leaves emerge in spring and are followed in late spring by extra-large white flowers that smother the branches of this robust-growing tree. Red fruits of late summer resemble large strawberries.

New trees lead to great trees

Thirteen fine trees are new for 2018-19. Which of these will become great trees? Time will tell. It takes many years to develop new trees, plus a decade or more for our customers to grow and sell our new introductions into landscapes across the continent. We urge you to enhance your reputation as an innovator and leader in your market area by including some of our rising stars in your production plans.



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On the cover, clockwise from top:
 Scarlet Fire® Dogwood | Emperor I Japanese Maple
 Ruby Dayze™ Crabapple | Northern Herald® Redbud
 Parkland Pillar™ Birch | Chastity™ Pear

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