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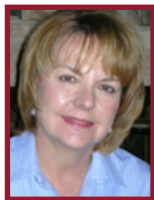
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MEMBER OF THESE ORGANIZATIONS

- AmericanHort
- Caldwell County Nurserymen's Association
- Illinois Green Industry Association
- Middle Tennessee Nursery Association
- North Carolina Nursery & Landscape Association
- Ohio Nursery & Landscape Association
- Oregon Association of Nurseries
- South Carolina Green Industry Association
- Tennessee Nursery & Landscape Association

LOOK FOR US AT THESE SHOWS

- Tennessee Green Industry Expo (TNGRO)
Lebanon, TN
- Middle Tennessee Nursery Association (MTNA)
McMinnville, TN
- Mid-Atlantic Nursery Trade Show (MANTS)
Baltimore, MD
- Green and Growin'
Greensboro, NC
- South Carolina Green Conference & Trade Show
Columbia, SC



MANTS 2023

Acer campestre (Hedge Maple)

		Each 10-49	Each 50-up
Greenstreet™	Zone 4 Height 30-40' Spread 15-20'		
Acer campestre 'Grstzam'			
The perfect tree for street tree use under utility lines or as a small shade tree. Broad columnar form, rich green foliage turns yellow in fall. Tolerant of high pH, heat, drought and air pollution. Withstands severe pruning. Plus \$.95 royalty.			
1"	Branched	47.85	42.10
6'	Branched	44.30	39.00
5'	Branched	36.25	31.85
8'	Whips	32.10	28.25
7'	Whips	31.30	27.55
6'	Whips	28.35	25.00
5'	Whips	26.00	22.95

		Zone 5 Height 25-35' Spread 25-35'	
Hedge Maple			
Acer campestre			
Excellent small lawn tree. Dark green foliage turns yellow in fall. Tolerant of high pH, drought and air pollution. Withstands severe pruning.			
1"	Branched	45.20	39.80
6'	Branched	41.90	36.80
5'	Branched	34.25	30.15
7'	Whips	29.50	25.95
6'	Whips	26.90	23.75
5'	Whips	24.55	21.70

Acer ginnala (Amur Maple)

		Zone 2 Height 15-20' Width 15-20'	
Flame Amur			
Acer ginnala 'Flame'			
Small specimen tree with glossy green foliage in summer. Red fruits and fiery orange-red fall color. Very hardy and adaptable to urban conditions.			
** 1"	Branched	45.80	40.30
** 6'	Branched	38.35	33.80
** 5'	Branched	33.25	29.25
7'	Whips	28.90	25.40
6'	Whips	22.90	20.15
5'	Whips	18.05	15.95
4'	Whips	14.55	12.85
** 6'	Multi-stem	22.90	20.15
** 5'	Multi-stem	20.65	18.10
** 4'	Multi-stem	19.00	16.70

Acer griseum (Paperbark Maple)

		Zone 4 Height 20-30' Spread 15-25'	
Paperbark Maple			
Acer griseum			
Oval rounded habit. Peeling, cinnamon to reddish brown bark. Dark green foliage turns yellow-orange to red in the fall. Excellent slow growing small tree for smaller properties. Drought tolerant.			
** 6'	Branched	60.45	53.20
5'	Branched	50.05	44.05
4'	Branched	39.90	35.20

Acer palmatum (Japanese Maple)

		Each 10-49	Each 50-up
Bloodgood	Zone 5 Height 15-20' Spread 15-20'		
Acer palmatum atropurpureum 'Bloodgood'			
Upright rounded growth habit. Deep purple foliage that retains its color through the summer with attractive bright red, winged seeds.			
** 1 1/4"	B&B	171.45	150.90
** 1"	B&B	145.85	128.30
** 6'	B&B	132.90	116.95
5'	B&B	114.65	100.85
4'	B&B	96.20	84.65
Emperor One	Zone 5 Height 15-25' Spread 15-25'		
Acer palmatum 'Wolff'			
Leaf buds open late spring, avoiding dangerous late frosts. Vigorous, upright rounded growth habit. Deep maroon foliage turns crimson red in fall.			
** 1"	B&B	145.85	128.30
** 6'	B&B	132.90	116.95
5'	B&B	114.65	100.85
4'	B&B	96.20	84.65



Emperor One Japanese Maple

		Zone 5 Height 10-20' Spread 15-25'	
Japanese Maple			
Acer palmatum			
An upright green Palmatum grown from select seed. Excellent fall colors of orange and gold.			
* 1 1/4"	B&B	83.95	73.90
1"	B&B	77.30	67.95
6'	B&B	69.05	60.75
5'	B&B	62.25	54.80
4'	B&B	52.60	46.30
5'	Multi-stem	62.25	54.80
4'	Multi-stem	52.60	46.30
3'	Multi-stem	44.80	39.45

		Zone 5 Height 8-12' Spread 5-10'	
Orangeola			
Acer palmatum dissectum "Orangeola"			
An exceptional selection with deeply cut orange-red growth in spring. It turns a dark green in mid-summer with a tinge of orange-red new growth throughout the summer. Dense, mounding habit with fiery orange-red fall color.			
** Spec (XX)	B&B w/36-42"	136.90	120.50
** Spec (X)	B&B w/30-36"	120.60	106.15
** 3'	B&B w/24-30"	100.35	88.25



Acer palmatum (Japanese Maple)

		Each 10-49	Each 50-up
Red Select	Zone 5	Height 8-12'	Spread 8-12'
Acer palm. diss. Inaba Shidare 'Red Select'			
An outstanding dissectum rich in color and leaf shape. It develops a deep purple-red tone in the spring and retains the deep color all season. Vigorous and sturdy.			
** Spec (XXX)	B&B w/42-48"	160.55	141.35
Spec (XX)	B&B w/36-42"	136.90	120.50
Spec (X)	B&B w/30-36"	120.60	106.15
3'	B&B w/24-30"	100.35	88.25

Sango Kaku

Zone 5	Height 20-25'	Spread 15-20'
Acer palmatum 'Senkaki'		
Showy, coral bark produces outstanding effect in winter. Upright, with bright green leaves in spring, turning golden with hints of apricot and light red in fall.		
** 1"	B&B	145.85 128.30
6'	B&B	132.90 116.95
5'	B&B	114.65 100.85
4'	B&B	96.20 84.65

Seiryu

Zone 5	Height 15-20'	Spread 15-20'
Acer palmatum dissectum 'Seiryu'		
Upright form with beautiful bright green lace-leaf foliage. Young leaves slightly red-tipped. Light yellow to gold autumn foliage.		
6'	B&B	132.90 116.95
5'	B&B	114.65 100.85

Tamukeyama

Zone 5	Height 5-10'	Spread 5-10'
Acer palmatum dissectum 'Tamukeyama'		
Fine tipped leaves emerge purple in spring, age to burgundy in summer, then turn bright red for autumn. Strongly cascading form. Heat tolerant.		
** Spec (XXX)	B&B w/42-48"	160.55 141.35
Spec (XX)	B&B w/36-42"	136.90 120.50
Spec (X)	B&B w/30-36"	120.60 106.15
3'	B&B w/24-30"	100.35 88.25

Viridis

Zone 5	Height 5-10'	Spread 8-12'
Acer palmatum dissectum 'Viridis'		
A cascading form of dissectum. The bright green foliage holds its color through the summer, turning gold with splashes of crimson in the fall.		
** Spec (XXX)	B&B w/42-48"	160.55 141.35
Spec (XX)	B&B w/36-42"	136.90 120.50
Spec (X)	B&B w/30-36"	120.60 106.15
3'	B&B w/24-30"	100.35 88.25



Tamukeyama Japanese Maple



Viridis Japanese Maple

Acer platanoides (Norway Maple)

Zone 4	Height 40-50'	Spread 30-40'
Acer platanoides 'Crimson King'		
Dark maroon foliage that retains its color all season. We consider this the best of all red leaf maples.		
** 1"	Branched	48.50 42.75
** 6'	Branched	44.80 39.45
** 6'	Lt Branched	39.25 34.60
** 5'	Branched	33.80 29.60
8'	Whips	27.90 24.45
7'	Whips	24.40 21.55
6'	Whips	22.35 19.65
5'	Whips	19.20 16.90



Crimson King Norway

Crimson Sentry

Zone 4	Height 25-35'	Spread 15-20'
Acer platanoides 'Crimson Sentry'		
Bright crimson foliage turning to a dark maroon during summer. Slow growing, dense, upright branching with narrow columnar habit ideal for narrow streets and small yards.		
** 1"	Branched	55.30 48.60
** 6'	Branched	44.95 39.60
** 6'	Lt Branched	42.60 37.50
8'	Whips	31.70 27.90
7'	Whips	28.25 24.95
6'	Whips	25.40 22.35
5'	Whips	22.50 19.80

Deborah

Zone 4	Height 50-60'	Spread 40-50'
Acer platanoides 'Deborah'		
New foliage is a brilliant red turning to a dark green as it matures. Vigorous grower.		
** 1"	Branched	40.15 35.30
** 6'	Branched	35.35 31.10
** 6'	Light Branched	34.20 30.15
** 8'	Whips	23.25 20.55
** 7'	Whips	22.45 19.70
** 6'	Whips	21.30 18.70
** 5'	Whips	19.35 17.05

Acer rubrum (Red Maple)

Zone 4	Height 40-50'	Spread 15'
Acer x freemanii 'Armstrong'		
Fast growing Red Maple that forms a narrow, spire-like top. Light green leaves turn orange or red in the fall. Grown on their own root.		
1 1/4"	Branched	62.85 55.30
1"	Branched	54.80 48.30
6'	Branched	46.00 40.45
8'	Whips	30.45 26.80
7'	Whips	29.75 26.20
6'	Whips	27.70 24.35
5'	Whips	24.95 21.90



Armstrong Red Maple

Autumn Blaze®

Zone 3	Height 40-50'	Spread 40'
Acer x freemanii 'Jeffersred'		
Plant Patent #4,864 Deeply lobed leaves are rich green with excellent orange-red fall color. Upright branching habit and a dense oval head. Grown on their own root. Plus \$1.00 Royalty.		
1 1/4"	Branched	62.85 55.30
1"	Branched	54.80 48.30
6'	Branched	46.00 40.45
Surface Select 1 Yr Br		29.55 26.00
8'	Whips	30.45 26.80
7'	Whips	29.75 26.20
6'	Whips	27.70 24.35
5'	Whips	24.95 21.90



Autumn Blaze® Red Maple

Acer rubrum (Red Maple)

Zone 4	Height 40'	Spread 15'
Acer rubrum 'Bowhall'		
In summer, leaves are dark green above and grayish beneath. In the fall, the leaves turn to shades of yellow, orange, and reddish-orange. It is narrower in width than other maple cultivars, making it suitable for smaller planting areas.		
** 8'	Whips	30.45 26.80
** 7'	Whips	29.75 26.20
** 6'	Whips	27.70 24.35
** 5'	Whips	24.95 21.90

Brandywine

Zone 4	Height 30-40'	Spread 20-30'
Acer rubrum 'Brandywine'		
Emerald green leaves in summer gradually turn from red to brilliant purple-red in fall. Both heat and leafhopper tolerant, this seedless male clone forms a moderate columnar shape. Grown on their own root.		
1"	Branched	54.80 48.30
6'	Branched	46.00 40.45
5'	Branched	35.10 30.80
Surface Select 1 Yr Br		29.55 26.00
7'	Whips	29.75 26.20
6'	Whips	27.70 24.35
5'	Whips	24.95 21.90
4'	Whips	21.45 18.95

Celebration®

Zone 4	Height 40-50'	Spread 20-25'
Acer x freemanii 'Celebration'		
Dense, deeply lobed green foliage turns red-orange to gold in the fall. Breakage and disease resistant. Grown on their own root. Plus \$.95 Royalty.		
1 1/4"	Branched	62.85 55.30
1"	Branched	54.80 48.30
6'	Branched	46.00 40.45
5'	Branched	35.10 30.80
8'	Whips	30.45 26.80
7'	Whips	29.75 26.20
6'	Whips	27.70 24.35
5'	Whips	24.95 21.90

Fairview Flame®

Zone 4	Height 40-50'	Spread 30-40'
Acer rubrum 'Fairview Flame'		
A vigorous growing tree which forms a dense well rounded head. Fall color is a brilliant scarlet color. Grown on their own root.		
1"	Branched	54.80 48.30
6'	Branched	46.00 40.45
5'	Branched	35.10 30.80



Acer rubrum (Red Maple)

Acer rubrum (Red Maple)		Each 10-49	Each 50-up
October Glory®	Zone 5	Height 50-60'	Spread 40'
Acer rubrum 'October Glory'		Plant Patent #2,116	
Always turns a brilliant crimson-red in the fall, and retains its foliage long after other Red Maples have shed their leaves. Grown on their own root.			
Plus \$.50 Royalty.			
1 ¼"	Branched	62.85	55.30
1"	Branched	54.80	48.30
6'	Branched	46.00	40.45
5'	Branched	35.10	30.80
Surface Select 1 Yr Br		29.55	26.00
7'	Whips	29.75	26.20
6'	Whips	27.70	24.35
5'	Whips	24.95	21.90
4'	Whips	21.45	18.95

Redpointe®	Zone 5	Height 45'	Spread 30'
Acer rubrum 'Frank Jr.'		Plant Patent #16,769	
Beautiful pyramidal maple with relatively carefree growth habit. Excellent shade tree. Fall color is bright and summer foliage is dark green.			
Tolerance of drought, heat and cold. Red Pointe® Red Maple is one of the few trees with a straight and dominant central leader, which results in strong branch angles that make it easier to grow. Plus \$2.00 Royalty.			
7'	Whips	29.75	26.20
6'	Whips	27.70	24.35
5'	Whips	24.95	21.90
4'	Whips	21.45	18.95



Redpointe® Red Maple

Red Sunset®	Zone 3	Height 40-50'	Spread 30-40'
Acer rubrum 'Franksred'			
Lovely pyramidal to rounded shape. Tiny red flowers in early spring, heavily textured green leaves in the summer turning brilliant red in fall. Grown on their own root. Plus \$1.00 Royalty.			
1"	Branched	54.80	48.30
6'	Branched	46.00	40.45
5'	Branched	35.10	30.80
7'	Whips	29.75	26.20
6'	Whips	27.70	24.35
5'	Whips	24.95	21.90
4'	Whips	21.45	18.95

Acer rubrum (Red Maple)

Acer rubrum (Red Maple)		Each 10-49	Each 50-up
Sun Valley	Zone 5	Height 20'	Spread 5-10'
Acer rubrum 'Sun Valley'			
Leafhopper stress tolerance combined with early brilliant red fall color effectively distinguish this cultivar. Forms a symmetrical, upright oval crown at an early age. Grown on their own root.			
1"	Branched	54.80	48.30
6'	Branched	46.00	40.45
5'	Branched	35.10	30.80
7'	Whips	29.75	26.20
6'	Whips	27.70	24.35
5'	Whips	24.95	21.90
4'	Whips	21.45	18.95



Sun Valley Red Maple

Acer saccharum (Sugar Maple)

Commemoration®		Zone 4	Height 40-50'	Spread 30-40'
Acer saccharum 'Commemoration'			Plant Patent #5,079	
Vigorous grower. Thick dark green foliage resists tatter. Develops good caliper at an early age. Early fall color of red and orange hold well into autumn. Plus \$.50 Royalty.				
1"	Branched		58.70	51.70
6'	Branched		49.75	43.80
6'	Light Branched		45.80	40.30
5'	Branched		39.30	34.65
8'	Whips		38.65	34.00
7'	Whips		35.10	30.80
6'	Whips		31.55	27.75
5'	Whips		27.65	24.30

Fall Fiesta®	Zone 3	Height 50-60'	Spread 40-50'
Acer saccharum 'Baillista'		Plant Patent #11,119	
Vigorous grower forming an upright rounded crown of deep green foliage, outstanding fall foliage turning to shades of orange and red. Resistant to sun scald and frost cracks. Plus \$1.00 Royalty.			
1"	Branched	58.70	51.70
6'	Branched	49.75	43.80
6'	Light Branched	45.80	40.30
5'	Branched	39.30	34.65
8'	Whips	38.65	34.00
7'	Whips	35.10	30.80
6'	Whips	31.55	27.75
5'	Whips	27.65	24.30



Green Mountain® Sugar Maple

Acer saccharum (Sugar Maple)

Acer saccharum (Sugar Maple)		Each 10-49	Each 50-up
Green Mountain®	Zone 3	Height 40-50'	Spread 30-40'
Acer saccharum 'Green Mountain'		Plant Patent #2,339	
Vigorous grower forming an upright oval crown of dark green foliage, turning shades of orange and scarlet in the fall. The waxy protective coating on the leaves make it ideal for hot, dry and windy urban areas. Plus \$.50 Royalty.			
1"	Branched	58.70	51.70
6'	Branched	49.75	43.80
6'	Light Branched	45.80	40.30
5'	Branched	39.30	34.65
8'	Whips	38.65	34.00
7'	Whips	35.10	30.80
6'	Whips	31.55	27.75
5'	Whips	27.65	24.30

Highland Park®	Zone 4	Height 45'	Spread 25'
Acer grandidentatum 'Hipazam'			
Dense, pyramidal crown of glossy ebony-green tatter-proof foliage which turns spectacular orange-red in fall. A Streamlined Care Free Maintenance™ tree, requiring no trimming or pruning to maintain its naturally symmetrical form. Plus \$.95 Royalty.			
* 1"	Branched	58.70	51.70
* 6'	Branched	49.75	43.80
* 6'	Light Branched	45.80	40.30
* 5'	Branched	39.30	34.65
** 8'	Whips	38.65	34.00
** 7'	Whips	35.10	30.80
** 6'	Whips	31.55	27.75
** 5'	Whips	27.65	24.30



Highland Park® Sugar Maple

Acer saccharum (Sugar Maple)

Acer saccharum (Sugar Maple)		Each 10-49	Each 50-up
Legacy™	Zone 4	Height 40-50'	Spread 30-40'
Acer saccharum 'Legacy'		Plant Patent #4,979	
Exceptionally vigorous spreading growth habit. Heavily branched with thick, lustrous leaves turning orange-red in fall. Not subject to "leaf tatter" so common in Sugar Maples. Plus \$.55 Royalty.			
1"	Branched	58.70	51.70
6'	Branched	49.75	43.80
6'	Light Branched	45.80	40.30
5'	Branched	39.30	34.65
8'	Whips	38.65	34.00
7'	Whips	35.10	30.80
6'	Whips	31.55	27.75
5'	Whips	27.65	24.30

Sugar Maple	Zone 3	Height 45'	Spread 40'
Acer saccharum			
Outstanding native tree. Brilliant yellow fall color with hints of orange and red.			
1 ¼"	Branched	51.30	45.10
1"	Branched	45.20	39.80
6'	Branched	38.35	33.80
6'	Light Branched	34.60	30.45
5'	Branched	30.55	26.90
8'	Whips	29.75	26.20
7'	Whips	26.70	23.55
6'	Whips	23.45	20.70
5'	Whips	20.05	17.65

Aesculus (Buckeye)

Red Buckeye	Zone 4	Height 12-16'	Spread 12-16'
Aesculus pavia			
Brilliant red flowers on large panicles in mid spring are attractive to butterflies and hummingbirds. Dark green foliage emerges before many trees show signs of growth.			
** 2'	Multi-stem	33.40	29.35
** 18"	Multi-stem	28.90	25.40
** 12"	Multi-stem	24.25	21.35

Amelanchier (Serviceberry)

Autumn Brilliance	Zone 4	Height 20-25'	Spread 15-20'
Amelanchier x grandiflora 'Autumn Brilliance'		Plant Patent #5,717	
Rapid growth with a distinctive moderately spreading branch pattern.			
Holds its leaves well. Multitude of white blossoms in spring, lush and green in summer. Brilliant red foliage in the fall and attractive light gray bark in winter. Grown on their own root. Plus \$.75 Royalty.			
1"	Branched	49.55	43.65
6'	Branched	40.80	35.85
5'	Branched	33.60	29.55
4'	Branched	30.35	26.65
5'	Multi-stem	34.60	30.45
4'	Multi-stem	29.75	26.20
3'	Multi-stem	25.40	22.35
2'	Multi-stem	21.10	18.55
18"	Multi-stem	17.35	15.25
12"	Multi-stem	14.95	13.20

Amelanchier (Serviceberry)

	Each 10-49	Each 50-up
Allegheny Serviceberry Zone 5 Height 20-25' Spread 15-20'		

Amelanchier laevis
Showy, slightly fragrant, white flowers in drooping clusters appear in early spring before the leaves. Small, edible berries ripen to dark purplish-black in June and resemble blueberries in size, color and taste. Lustrous dark green leaves turn red-orange in fall.

3'	Multi-stem	25.40	22.35
2'	Multi-stem	21.10	18.55
18"	Multi-stem	17.35	15.25

Cumulus™ Serviceberry Zone 4 Height 20-30' Spread 15-20'

Amelanchier x laevis 'Cumulus'
Distinct upright oval shape with fleecy white flowers in spring and bright yellow to orange-scarlet fall color. Plus \$.40 Royalty.

6'	Branched	40.80	35.85
5'	Branched	33.60	29.55
4'	Branched	30.35	26.65

Betula (Birch)

City Slicker® Zone 5 Height 30-40' Spread 25'

Betula nigra 'Whit XXV' Plant Patent #16,573 P3
Creamy-white bark develops at an early age. Moderately sized dark green leaves turn gold in fall. Grows in heavy alkaline clay soils as well as sandy soils. Heat and drought tolerant. Grown on their own root. Plus \$.75 Royalty.

5'	Branched	25.50	22.50
4'	Branched	23.10	20.30
3'	Branched	20.75	18.25



Dura-heat® River Birch

Dura-Heat® Zone 5 Height 30-40' Spread 25'

Betula nigra 'BNMTF'
Dense canopy of dark green glossy leaves turn butter yellow in autumn. Creamy-white bark exfoliates at an early age. Small, thick lustrous leaves tolerate summer heat stress and resist leaf spot and aphids. Grown on their own root. Plus \$.30 Royalty.

Singles for clumping.			
7'	Single	12.65	11.15
6'	Single	11.35	10.00
5'	Single	10.00	8.80
4'	Single	8.60	7.60
3'	Single	7.05	6.15

Betula (Birch)

	Each 10-49	Each 50-up
Fox Valley® Zone 4 Height 15-20' Spread 15-20'		

Betula nigra 'Little King'
Unique dwarf selection useful for limited space applications. Dense, compact dwarf habit with bright green leaves turning pale yellow-gold in autumn. Cinnamon-red to pale salmon bark exfoliates in colorful patterns. Lustrous leaves tolerate drought and summer heat. Bronze birch borer resistant. Grown on their own root. Plus \$1.00 royalty.

** 3'	Branched	20.75	18.25
2'	Branched	16.65	14.85
18"	Branched	15.95	14.00



Fox Valley® River Birch

Heritage® Zone 3 Height 40-50' Spread 30-40'

Betula nigra 'Cully'
Improved selection known for its salmon-white exfoliating bark and large, glossy dark green leaves. Excellent planted in groups. Resistant to bronze birch borer. Upright rounded habit. Grown on their own root. Plus \$.25 Royalty.

Singles for clumping.			
8'	Single	14.70	12.95
7'	Single	12.65	11.15
6'	Single	11.35	10.00
5'	Single	10.00	8.80
4'	Single	8.60	7.60
3'	Single	7.05	6.15



Betula (Birch)

	Each 10-49	Each 50-up
Jacquemonti Zone 5 Height 50-60' Spread 20-30'		

Betula 'Jacquemontii'
An attractive select Himalayan Birch. Very white bark, coloring early, large dark leaves. Semi-vigorous growth, from pyramidal in young trees to an irregular rounded crown as it matures. Grown on their own root.

Singles for clumping.			
8'	Single	15.45	13.60
7'	Single	13.30	11.70
6'	Single	11.90	10.50
5'	Single	10.50	9.25
4'	Single	9.05	8.00

River Birch Zone 4 Height 40-50' Spread 30-40'

Betula nigra
A handsome native tree known for its cinnamon brown, peeling bark and trouble free nature. Upright rounded habit.

** 7'	Clump	40.00	35.30
** 6'	Clump	35.10	30.80
** 5'	Clump	31.60	27.75
** 4'	Clump	26.80	23.55
** 3'	Clump	22.60	19.85

Carpinus (Hornbeam)

American (Blue-Beech) Zone 3 Height 20-30' Spread 20-30'

Carpinus caroliniana
Handsome low branched shade tolerant tree suitable for small spaces. Smooth and fluted blue-gray bark. Dark green leaves turn attractive yellow-orange in fall. Slow growing. Disease and pest resistant.

6'	Branched	43.20	38.00
5'	Branched	39.20	34.50
4'	Branched	35.60	31.35
7'	Whips	33.85	29.75
6'	Whips	32.25	28.30
5'	Whips	29.60	26.15
** 5'	Multi-stem	41.10	36.15
** 4'	Multi-stem	37.45	32.90
** 3'	Multi-stem	34.00	30.00

Frans Fontaine Zone 5 Height 30-40' Spread 10-15'

Carpinus betulus 'Frans Fontaine'
Ascending branches form a tight column with dark green foliage. Excellent narrow street tree, formal accent or screen. Smooth steel gray bark. Yellow-gold fall foliage. Disease and pest resistant.

1"	Branched	50.75	44.65
6'	Branched	43.20	38.00
5'	Branched	39.20	34.50

Carpinus (Hornbeam)

	Each 10-49	Each 50-up
Pyramidal European Zone 5 Height 30-40' Spread 15-25'		

Carpinus betulus 'Fastigiata'
Ascending branches form a dense column with dark green foliage. Excellent street tree, formal accent or hedge. Smooth steel gray bark. Yellow fall foliage. Disease and pest resistant.

1"	Branched	50.75	44.65
6'	Branched	43.20	38.00
5'	Branched	39.20	34.50



Pyramidal European Hornbeam

Celtis (Hackberry)

Hackberry Zone 2 Height 40-50' Spread 30-40'

Celtis occidentalis
Distinct light gray, rough corky bark. Elm-like foliage turns from light green to yellow in fall. Very hardy.

1"	Branched	45.05	39.70
6'	Branched	41.50	36.50
5'	Branched	34.00	30.00
7'	Whips	25.30	22.15
6'	Whips	22.95	20.20
5'	Whips	20.80	18.30
4'	Whips	18.05	15.95



Hackberry

Cercis Canadensis (Redbud)

Cercis Canadensis (Redbud)		Each 10-49	Each 50-up
Appalachian Red	Zone 4-9	Height 15'-25'	Spread 15'-25'

Cercis canadensis 'Appalachian Red'
Deciduous tree with dark brown furrowed bark. Clusters of dark pink flowers emerge directly from the bark of a mature trunk and bare branches. This is followed by heart shaped leaves that go from shiny green to bright yellow in the Fall.

7'	Whips	35.90	31.60
6'	Whips	33.55	29.50
5'	Whips	31.30	27.55
4'	Whips	29.10	25.55

Eastern Redbud	Zone 4-9	Height 20'-30'	Spread 25'-35'
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Cercis Canadensis
Deciduous tree with dark brown furrowed bark. Clusters of dark pink flowers emerge directly from the bark of a mature trunk and bare branches. This is followed by heart shaped leaves that go from shiny green to bright yellow in the Fall.

7'	Whips	24.15	21.25
6'	Whips	22.60	19.85
5'	Whips	21.00	18.50
4'	Whips	19.55	17.20

Forest Pansy	Zone 4-9	Height 20'-30'	Spread 25'-35'
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Cercis Canadensis 'Forest Pansy'
A large deciduous tree with rosy pink flowers covering the branches in Spring. These are followed by heart shaped red-purple leaves that turn to orange, bronzed red in the Fall.

NEW

7'	Whips	35.90	31.60
6'	Whips	33.55	29.50
5'	Whips	31.30	27.55
4'	Whips	29.10	25.55

Merlot	Zone 4-9	Height 9'-12'	Spread 10'-15'
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Cercis Canadensis 'Merlot'
A large deciduous tree with rosy pink flowers covering the branches in Spring. These are followed by heart shaped red-purple leaves that turn to orange, bronzed red in the Fall. Plus \$2.25 Royalty.

NEW

7'	Whips	35.90	31.60
6'	Whips	33.55	29.50
5'	Whips	31.30	27.55
4'	Whips	29.10	25.55



Chionanthus (Fringetree)

Chionanthus (Fringetree)		Each 10-49	Each 50-up
White Fringetree	Zone 4	Height 15-25'	Spread 15-20'

Chionanthus virginicus
Pure white, slightly fragrant flowers in late spring hang in long, spectacular panicles which appear to cover the tree with cotton for two weeks. Dark green, glossy leaves emerge just as the flowers are at peak bloom.

3'	Multi-stem	18.60	16.40
2'	Multi-stem	17.05	15.00
18"	Multi-stem	15.55	13.70
15"	Multi-stem	15.25	13.40



White Fringetree

Cladrastis (Yellowwood)

American Yellowwood	Zone 4	Height 30-40'	Spread 40-50'
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Cladrastis kentukea
Spectacular late spring blooms of fragrant, wisterialike, white flowers in drooping panicles. Compound bright green leaves turn bright yellow in fall. Prune in summer only because cuts made in winter or spring tend to bleed considerably.

8'	Whips	36.60	32.25
7'	Whips	34.20	30.15
6'	Whips	30.55	26.90
5'	Whips	27.05	23.85
4'	Whips	21.40	18.90

Cornus (Dogwood)

Chinese Kousa	Zone 5	Height 15-20'	Spread 15-20'
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Cornus kousa chinensis
Vase shaped to rounded habit, branches becoming horizontally layered with age. Dark green leaves. Long-lasting, showy white flower bracts appear late spring. Fruit turns from green to pink to red in fall. Pest and disease resistant.

** 4'	Multi-stem	29.60	26.15
** 3'	Multi-stem	23.75	20.80
** 2'	Multi-stem	16.80	14.80

Cornus (Dogwood)

Cornus (Dogwood)		Each 10-49	Each 50-up
Galilean®	Zone 4	Height 20-25'	Spread 15-20'

Cornus kousa chinensis 'Galzam'
Abundant, colossal, bright white star shaped flower bracts appear late spring. Large hunter green leaves turn red in fall. Rounded-vase shaped habit. Fruit turns from green to pink to red in fall. Disease resistant. Plus \$.95 Royalty.

** 5'	Branched	42.30	37.30
** 4'	Branched	38.55	33.90
** 3'	Branched	35.30	31.10

Heart Throb®	Zone 5	Height 15-20'	Spread 15-20'
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Cornus kousa 'Schmred' Plant Patent #9,283
Long-lasting, showy deep rose pink flower bract appear late spring. Dark green leaves, brilliant red fall color. Rounded habit. Fruit turns from green to pink to red in fall. Pest and disease resistant. Plus \$.85 Royalty.

4'	Branched	38.55	33.90
3'	Branched	35.30	31.10



Heart Throb® Dogwood

Hyperion®	Zone 6	Height 15-20'	Spread 15-20'
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Cornus x 'KF 111-1' Plant Patent #22,219
Very showy, white flower bracts appear late spring. Fast growing, dark green leaves turn multi-colored yellow, purple and orange in fall. High tolerance of sunlight, drought and shady conditions. Highly pest and disease resistant. Plus \$1.50 Royalty.

** 6'	Branched	45.95	40.35
** 5'	Branched	42.30	37.30
** 4'	Branched	38.55	33.90
** 3'	Branched	35.30	31.10

Cornus (Dogwood)

Cornus (Dogwood)		Each 10-49	Each 50-up
Samaritan®	Zone 5	Height 15-20'	Spread 15-20'

Cornus kousa 'mzam'
Leaves with green center and creamy-white margins. Long-lasting, creamy white flower bracts appear late spring. Pinkish red fall color. Rounded-vase shaped habit. Fruit turns from green to pink to red in fall. Plus \$.95 Royalty.

** 5'	Branched	42.30	37.30
** 4'	Branched	38.55	33.90
** 3'	Branched	35.30	31.10



Snow Tower™ Columnar Dogwood

Snow Tower™ Columnar	Zone 5	Height 20-25'	Spread 5-10'
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Cornus kousa chinensis 'Snow Tower'
Columnar dogwood that has a strong leader and is very symmetrical. It has a very tight branch angle, which makes it one of the narrowest selections for a street tree. Large white flowers cover the tree in spring. Flower size is about 7" wide and generally holds color 5-6 weeks. In the fall birds are attracted to the fruit. Fall color red to red-orange with hints of purple. Plus \$.85 Royalty.

* 5'	Branched	42.30	37.30
* 4'	Branched	38.55	33.90
* 3'	Branched	35.30	31.10

Cornelian-Cherry	Zone 4	Height 20-25'	Spread 15-20'
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Cornus mas
Multi-stem form. Abundant yellow flowers in early spring. Upright oval habit. Dark green summer foliage. Bright red fruits are numerous and attract wildlife in mid-summer.

** 3'	Multi-stem	15.75	13.85
** 2'	Multi-stem	12.20	10.70
** 18"	Multi-stem	9.35	8.20



Hardy Rubber Tree

Eucommia (Hardy Rubber Tree)

Hardy Rubber Tree	Zone 5	Height 45'	Spread 45'
Eucommia ulmoides			

Ascending branches form upright rounded habit. Excellent tree for shade or street plantings. Outstanding lustrous, dark green foliage. Tolerates drought and high pH soils. Insect and disease resistant.

** 7'	Branched	44.30	39.00
** 6'	Branched	40.90	35.95
** 5'	Branched	34.75	30.55
** 7'	Whips	29.20	25.60
** 6'	Whips	26.55	23.30
** 5'	Whips	24.25	21.35

Ginkgo (Maidenhair Tree)

Autumn Gold	Zone 4	Height 40-50'	Spread 20-30'
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Ginkgo biloba 'Autumn Gold'
A strong growing, heat tolerant, male selection. Symmetrical, broad conical crown with vibrant golden fall color.

1"	Branched	72.05	63.35
6'	Branched	62.85	55.35
5'	Branched	54.75	48.25



Autumn Gold Ginkgo

Golden Globe	Zone 4	Height 30-40'	Spread 20-30'
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Ginkgo biloba 'Golden Globe'
Young trees have full crowns that mature to a broad, rounded head. Fast growing, heat tolerant, male tree. Densely branched green foliage, turning bright yellow in fall. Plus \$1.00 Royalty.

1"	Branched	72.05	63.35
6'	Branched	62.85	55.35
5'	Branched	54.75	48.25

Ginkgo (Maidenhair Tree)

Magyar Ginkgo	Zone 4	Height 40-50'	Spread 20-25'
Ginkgo biloba 'Magyar'			

Fast growing, seedless tree with narrow pyramidal shape. Medium green foliage in spring, turning bright yellow in fall. Drought and urban tolerant.

** 1"	Branched	72.05	63.35
** 6'	Branched	62.85	55.35
** 5'	Branched	54.75	48.25

Presidential Gold®	Zone 4	Height 30-40'	Spread 30-40'
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Ginkgo biloba 'The President'
Very uniform compact crown. Fast growing male with dense branching. Excellent yellow fall color. Drought tolerant. Plus \$2.00 Royalty.

1"	Branched	72.05	63.35
6'	Branched	62.85	55.35
5'	Branched	54.75	48.25



Presidential Gold Ginkgo

Princeton Sentry®	Zone 4	Height 30-40'	Spread 15-20'
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Ginkgo biloba 'Princeton Sentry' Plant Patent #2,726
Fast growing male tree. Narrow pyramidal shape, green foliage in spring, turning bright yellow in fall. Plus \$.60 Royalty.

1"	Branched	72.05	63.35
6'	Branched	62.85	55.35
5'	Branched	54.75	48.25

Shangri-La®	Zone 3	Height 40-50'	Spread 30-40'
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Ginkgo biloba 'Shangri-La' Plant Patent #5,221
Very uniform compact crown. Fast growing male with dense branching. Excellent yellow fall color. Plus \$.50 Royalty.

** 1"	Branched	72.05	63.35
** 6'	Branched	62.85	55.35
** 5'	Branched	54.75	48.25

Gleditsia (Honeylocust)

Shademaster	Zone 4	Height 40-50'	Spread 25-35'
Gleditsia triacanthos 'Shademaster'			

The most outstanding upright thornless honeylocust. Rapidly forms a straight, strong trunk, with ascending branches and dark green leaves. Plus \$.95 Royalty.

1"	Branched	45.55	40.00
6'	Branched	41.90	36.80
5'	Branched	33.25	29.25
7'	Whips	29.30	25.80
6'	Whips	25.85	22.75
5'	Whips	22.10	19.50
4'	Whips	18.60	16.40

Skyline®	Zone 4	Height 30-40'	Spread 30-40'
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Gleditsia triacanthos inermis 'Skycole'
A strong growing stately tree with a compact pyramidal habit and sturdy trunk. Large dark green leaves with a heavy leathery texture. Plus \$.75 Royalty.

1"	Branched	45.55	40.00
6'	Branched	41.90	36.80
5'	Branched	33.25	29.25
7'	Whips	29.30	25.80
6'	Whips	25.85	22.75
5'	Whips	22.10	19.50
4'	Whips	18.60	16.40



Skyline® Honeylocust

Gymnocladus (Kentucky Coffeetree)

Decaf Kentucky™	Zone 3	Height 50-60'	Spread 30-40'
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Gymnocladus dioicus 'McKBranded' PPAF
Native cultivar which consistently produces branches leading to a well branched tree at a young age. Emerging leaflets show a caramel coloration into early summer. New growth is finer textured in branches, twigs and leaflets than the species. Drought resistant, urban tolerant male selection. Plus \$1.25 Royalty.

7'	Whips	36.50	32.10
6'	Whips	33.00	29.10
5'	Whips	30.65	27.00
4'	Whips	28.15	24.75

Espresso™ Coffeetree	Zone 3	Height 50'	Spread 35'
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Gymnocladus dioicus 'Espresso'JFS'
This seedless selection gives a tropical-like appearance, with blush green leaves turning yellow in fall. This elm-like forming tree is heat, cold, and drought tolerant. Plus \$1.50 Royalty.

7'	Whips	36.50	32.10
6'	Whips	33.00	29.10
5'	Whips	30.65	27.00
4'	Whips	28.15	24.75

Gymnocladus (Kentucky Coffeetree)

Kentucky Coffeetree	Zone 3	Height 70-80'	Spread 30-40'
Gymnocladus dioicus			

Ascending branches form a narrow oval crown broadening with age. New growth is tinged pink turning bluish green in summer. Fragrant greenish-white flower panicles. Rough brown bark with scaly ridges. Yellow fall foliage. Drought resistant.

8'	Whips	37.95	33.40
7'	Whips	35.05	30.75
6'	Whips	31.55	27.75
5'	Whips	29.25	25.75
4'	Whips	26.65	23.45



Kentucky Coffeetree

Hamamelis (Witch-hazel)

American Witch-Hazel	Zone 3	Height 50-60'	Spread 30-40'
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Hamamelis virginiana
Multi-stem form. A small native tree with fragrant yellow flowers that open in late fall. Medium green leaves turn gorgeous deep golden yellow in fall. Tolerates clay soil and urban conditions.

4'	Multi-stem	18.05	15.95
3'	Multi-stem	16.00	14.05
2'	Multi-stem	13.80	12.20
18"	Multi-stem	12.20	10.70

Heptacodium (Seven-son Flower)

Temple of Bloom®	Zone 5-9	Height 6-10'	Spread 6-10'
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Heptacodium miconiodes 'SMNHMRF' Plant Patent 30763
Temple of Bloom® seven son with its tan peeling bark, begins with green leaves that in late summer produces fragrant white flowers. When the flowers fall off it leaves vivid red bracts (leaves). Plus \$2.80 Royalty.

** 4'	Multi-stem	29.75	26.20
** 3'	Multi-stem	25.40	22.35
** 2"	Multi-stem	21.10	18.55
** 18"	Multi-stem	19.20	16.90



Seven-son Temple of Bloom®



Munchkin Hydrangea

Hydrangea

			Each 10-49	Each 50-up
Munchkin Oakleaf Zone 5 Height 3-4' Spread 3-4'				
Hydrangea quercifolia 'Munchkin' Blossoms open white, age to pink, and are robust, remaining upright even after heavy rains. Foliage turns brilliant mahogany in fall. Exceptional compact form and dense plant habit suitable for smaller landscape areas.				
*	4	Cane Shrub	16.00	14.05
	3	Cane Shrub	13.50	11.90
	2	Cane Shrub	11.65	10.25



Ruby Slippers Hydrangea

			Each 10-49	Each 50-up
Ruby Slippers Zone 5 Height 3-4' Spread 3-4'				
Hydrangea quercifolia 'Ruby Slippers' Large flowers start white and slowly change color to pink, maturing to ruby red. Oak-like foliage turns mahogany-red in autumn. Exceptional compact form and dense plant habit suitable for smaller landscape areas.				
**	4	Cane Shrub	16.00	14.05
**	3	Cane Shrub	13.50	11.90
**	2	Cane Shrub	11.65	10.25

Hydrangea

			Each 10-49	Each 50-up
Snow Queen Zone 5 Height 6-8' Spread 6-8'				
Hydrangea quercifolia 'Flemygea' Large, dense 6 to 8 inch long clusters of white flowers are held upright above the dark green oak leaf shaped foliage. Flowers become rose-pink in fall and leaves turn deep red-bronze. Tan-brown exfoliating bark is attractive in the winter.				
**	4	Cane Shrub	16.00	14.05
	3	Cane Shrub	13.50	11.90
	2	Cane Shrub	11.65	10.25

Liriodendron (Tuliptree)

			Each 10-49	Each 50-up
Tuliptree Zone 4 Height 70-80' Spread 40'				
Liriodendron tulipifera Large, fast growing shade tree with upright oval habit. Tulip shaped flowers emerge in late May with bright green tulip shaped leaves which turn golden yellow in autumn. Wrap trunk to prevent sun scald and transplant loss.				
	1 1/4"	Branched	53.65	47.25
	1"	Branched	45.80	40.30
	6'	Branched	40.00	35.30
	7'	Whips	29.60	26.15
	6'	Whips	25.40	22.35
	5'	Whips	21.90	19.25

Malus (Flowering Crabapple)

			Each 10-49	Each 50-up
Adirondack Zone 4 Height 15-20' Spread 12-16'				
Malus 'Adirondack' Dark red buds open to white flowers followed by abundant bright orange-red fruit that persists into winter. Narrow upright-branch habit. Dark green leaves are highly disease resistant.				
	7'	Branched	29.00	25.45
	6'	Branched	26.15	23.00
	5'	Branched	22.75	20.05
	4'	Branched	20.35	17.95
Coralburst® Zone 4 Height 8-12' Spread 8-12'				
Malus 'Coralcole' Plant Patent #2,983 Dense compact oval head, coral-pink buds, opening into double rose-pink blossoms. Grafted at 42". Plus \$.95 Royalty.				
	Heavy		45.35	39.90
	#1		40.25	35.40
	#1 Light		34.85	30.65



Coralburst® Flowering Crabapple

Malus (Flowering Crabapple)

			Each 10-49	Each 50-up
Emerald Spire® Zone 2 Height 15' Spread 8-6'				
Malus 'Jefgreen' Outstanding upright columnar branch habit. Copper green leaves are highly disease resistant. Large pink flowers followed by sparse red fruit in fall. Slow growing with good winter hardiness. Plus \$1.50 Royalty.				
	7/8"	Branched	29.50	25.95
	3/4"	Branched	27.20	24.05
	5/8'	Branched	24.95	21.95



Emerald Spire® Flowering Crabapple

			Each 10-49	Each 50-up
Lollipop® Zone 4 Height 8-12' Spread 8-12'				
Malus 'Lollizam' Compact, rounded form with abundant white flowers. Disease resistant green foliage. Miniature golden-amber fruit. Grafted at 42". Plus \$2.50 Royalty.				
	Heavy		45.35	39.90
	#1		40.25	35.40
	#1 Light		34.85	30.65



Prairie Fire Flowering Crabapple

			Each 10-49	Each 50-up
Prairie Fire Zone 4 Height 15-20' Spread 15-20'				
Malus 'Prairifire' Upright growth habit forming a rounded head. New foliage is a deep purplish-red turning to a dark green in summer. Buds and flowers are deep red-purple, followed by deep purplish fruit.				
	1"	Branched	31.90	28.15
	7'	Branched	29.00	25.45
	6'	Branched	26.15	23.00
	5'	Branched	22.75	20.05
	6'	Whips	19.00	16.70
	5'	Whips	17.75	15.60
	4'	Whips	14.75	12.90

Malus (Flowering Crabapple)

			Each 10-49	Each 50-up
Purple Prince Zone 4 Height 15-20' Spread 15-20'				
Malus 'Purple Prince' Upright growth habit forming a rounded head. Disease resistant foliage emerges purple turning to bronze green in summer. Beautiful spring flowers are rose red, followed by maroon fruit.				
	1"	Branched	31.90	28.15
	7'	Branched	29.00	25.45
	6'	Branched	26.15	23.00
	5'	Branched	22.75	20.05

			Each 10-49	Each 50-up
Red Barron Zone 4 Height 15-20' Spread 8-12'				
Malus 'Red Barron' Very deep red single buds open to reddish to pink flowers followed by bright red fruit that persists into winter. Moderately columnar in youth and broadens with age.				
	6'	Branched	26.15	23.00
	5'	Branched	22.75	20.05
	4'	Branched	20.35	17.95



Red Jewel® Flowering Crabapple

			Each 10-49	Each 50-up
Red Jewel® Zone 4 Height 15' Spread 8-12'				
Malus 'Jewelcole' Upright pyramidal form. Disease resistant, green foliage with abundant white flowers in spring. In fall and winter, bright cherry red fruit coat the branches. Plus \$.75 Royalty.				
	1"	Branched	31.90	28.15
	7'	Branched	29.00	25.45
	6'	Branched	26.15	23.00
	5'	Branched	22.75	20.05
	6'	Whips	19.00	16.70
	5'	Whips	17.75	15.60
	4'	Whips	14.75	12.90
	3'	Whips	13.15	11.55



Robinson Flowering Crabapple

Malus (Flowering Crabapple)

Robinson	Zone 4	Height 25'	Spread 25'
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Malus 'Robinson'
Masses of crimson buds open to single deep pink flowers followed by dark glossy red fruit. A vigorous grower forming an upright rounded head with bronze green foliage. Highly disease resistant.

1"	Branched	31.90	28.15
7'	Branched	29.00	25.45
6'	Branched	26.15	23.00
5'	Branched	22.75	20.05
6'	Whips	19.00	16.70
5'	Whips	17.75	15.60
4'	Whips	14.75	12.90
3'	Whips	13.15	11.55

Royal Raindrops®	Zone 4	Height 20'	Spread 15'
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Malus transitoria 'JFS-KW5' Plant Patent #14,375
Bright pink flowers that age to a cream-pink with deep pink color on the margins. Deeply lobed foliage emerges dark purple in spring and the summer canopy is denser than many of the other purple leafed crabapples. Fall color is a bright red-orange with persistent maroon red fruit. Plus \$2.00 Royalty.

1"	Branched	31.90	28.15
7'	Branched	29.00	25.45
6'	Branched	26.15	23.00
5'	Branched	22.75	20.05
6'	Whips	19.00	16.70
5'	Whips	17.75	15.60
4'	Whips	14.75	12.90



Royal Raindrops Flowering Crabapple

Malus (Flowering Crabapple)

Sargentina	Zone 4	Height 5-10'	Spread 5-10'
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Malus 'Sargentii Tina'
Smaller version of 'Sargent' excellent for patio or deck planting. Single red buds open to fragrant white flowers. Produces ¼" diameter bright red fruit. Dense spreading-branching habit. Exceptional disease resistance. Grafted at 42".

Heavy	45.35	39.90
#1	40.25	35.40
#1 Light	34.85	30.65



Sargentina Crabapple

Show Time™	Zone 3	Height 15-20'	Spread 15-20'
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Malus 'Shotizam'
Bright burgundy-red foliage with prolific scarlet red flowers in spring. Red fruit holds into winter. Disease resistant. Plus \$2.50 Royalty.

7'	Branched	29.00	25.45
6'	Branched	26.15	23.00
5'	Branched	22.75	20.05
6'	Whips	19.00	16.70
5'	Whips	17.75	15.60
4'	Whips	14.75	12.90



Show Time™ Crabapple

Snowdrift	Zone 3	Height 15-20'	Spread 15-20'
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Malus 'Snowdrift'
Strong grower. Masses of pink buds opening to white flowers. Small showy orange-red fruit. Heavy textured glossy green foliage.

6'	Whips	19.00	16.70
5'	Whips	17.75	15.60
4'	Whips	14.75	12.90

Malus (Flowering Crabapple)

Spring Snow	Zone 4	Height 20-25'	Spread 15-20'
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Malus 'Spring Snow'
An abundance of pure white flowers in the spring. Bright green foliage is heat tolerant turning to yellow in fall. Fruitless.

1"	Branched	31.90	28.15
6'	Branched	26.15	23.00
5'	Branched	22.75	20.05
5'	Whips	17.75	15.60
4'	Whips	14.75	12.90
3'	Whips	13.15	11.55



Sugar Tyme® Crabapple

Sugar Tyme®	Zone 4	Height 15-20'	Spread 15-20'
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Malus 'Sutyzam' Plant Patent #7,062
An excellent crabapple with crisp green foliage. A vigorous grower forming an upright oval head. Masses of pink buds open to fragrant, sugar white flowers followed by bright red fruit. Disease resistant. Plus \$.80 Royalty.

1"	Branched	31.90	28.15
7'	Branched	29.00	25.45
6'	Branched	26.15	23.00
5'	Branched	22.75	20.05
6'	Whips	19.00	16.70
5'	Whips	17.75	15.60
4'	Whips	14.75	12.90

Velvet Pillar™	Zone 4	Height 20'	Spread 15'
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Malus 'Velvetcole'
Single pink flowers in spring followed by purple foliage. Tightly upright columnar form good for small spaces. Sparse maroon-red fruit. Disease resistant. Plus \$.75 Royalty.

** 7'	Branched	29.00	25.45
** 6'	Branched	26.15	23.00
** 5'	Branched	22.75	20.05
** 4'	Branched	20.35	17.95

Ostrya (Hop-hornbeam)

American Hop-Hornbeam	Zone 3	Height 25-35'	Spread 20-30'
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Ostrya virginiana
Attractive small tree with horizontal branching and abundant persistent hop-like fruit. Dark green summer foliage turns yellow in fall. Urban and drought tolerant.

1 ¼"	Branched	58.55	51.60
1"	Branched	53.65	47.25
6'	Branched	47.40	41.75
5'	Branched	38.35	33.80
7'	Whips	33.55	29.50
6'	Whips	31.90	28.15
5'	Whips	30.45	26.80

Platanus (London Planetree)

Bloodgood	Zone 4	Height 50-60'	Spread 30-40'
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Platanus x acerifolia 'Bloodgood'
Fast growing and an excellent street tree with wide spreading form. Medium to dark foliage with exfoliating bark. Anthracnose resistant. Grown on their own root.

1 ¼"	Branched	45.55	40.00
1"	Branched	37.40	32.90
6'	Branched	33.45	29.40
5'	Branched	28.10	24.70
8'	Whips	26.35	23.10
7'	Whips	24.25	21.35
6'	Whips	22.70	19.95
5'	Whips	21.10	18.55
4'	Whips	18.55	16.30



Bloodgood London Planetree

Platanus (London Planetree)

		Each 10-49	Each 50-up
Exclamation!	Zone 4	Height 25'	Spread 20-30'

Platanus x acerifolia 'Morton Circle'
Upright pyramidal planetree with attractive foliage and exfoliating bark.
Strong central leader with dense branching. Mildew and anthracnose
resistant. Grown on their own root. Plus \$1.00 Royalty.

1 ¼"	Branched	45.55	40.00
1"	Branched	37.40	32.90
6'	Branched	33.45	29.40
5'	Branched	28.10	24.70
8'	Whips	26.35	23.10
7'	Whips	24.25	21.35
6'	Whips	22.70	19.95
5'	Whips	21.10	18.55
4'	Whips	18.55	16.30



Exclamation™ London Planetree

Populus (Aspen)

Dancing Flame® Aspen	Zone 2	Height 40-50'	Spread 20-30'
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Populus tremuloides 'KMN01'
New growth is bronze to red in spring. Disease resistant foliage has
fall-season coloration transitioning from green, to yellow, to orange, and
in some years, red. Upright branch habit, bright white bark, seedless
selection. Plus \$1.00 Royalty

1 ¼"	Branched	38.75	34.15
1"	Branched	33.10	29.20
6'	Branched	28.35	25.00
6'	Whips	22.75	20.05
5'	Whips	17.95	15.75
4'	Whips	15.95	14.00



Dancing Flame Aspen

Populus (Aspen)

		Each 10-49	Each 50-up
Quaking Aspen	Zone 2	Height 40-50'	Spread 20-30'

Populus tremuloides
Native northern Idaho seed source with smooth, dark green foliage.
Fast growing tree with pale green-white bark and brilliant gold fall foliage.
Disease resistant foliage.

1 ½"	Branched	46.30	40.85
1 ¼"	Branched	38.75	34.15
1"	Branched	33.10	29.20
6'	Branched	28.35	25.00



Quaking Aspen

Prunus (Flowering Cherry)

Akebono	Zone 5	Height 15-25'	Spread 15-25'
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Prunus 'Daybreak'
Soft pink, single flowers in late March, fading to white, rapid growth and
almost full leaf retention into early November.

** 1"	Branched	39.80	35.05
** 6'	Branched	33.90	29.80
** 5'	Branched	30.35	26.65

Canada Red	Zone 2	Height 20-30'	Spread 10-20'
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Prunus virginiana 'Schubert'
Improved Canada Red Cherry. Vigorous growth habit with a straight
trunk and uniform head. New leaves are bright green turning to a maroon
color that lasts through fall. Clusters of small white flowers. Red fruits in
mid-summer. Grown on their own root.

1"	Branched	39.80	35.05
6'	Branched	33.90	29.80
5'	Branched	30.35	26.65
4'	Branched	25.80	22.70
8'	Whips	27.95	24.55
7'	Whips	26.15	23.00
6'	Whips	23.70	20.75
5'	Whips	21.25	18.65

Prunus (Flowering Cherry)

		Each 10-49	Each 50-up
Kwanzan	Zone 5	Height 15-20'	Spread 15-20'

Prunus serrulata 'Kwanzan'
The most popular of all the flowering cherries. Double dark pink
blossoms. New growth bronze colored.

1"	Branched	39.80	35.05
7'	Branched	36.50	32.10
6'	Branched	33.90	29.80
5'	Branched	30.35	26.65
4'	Branched	25.80	22.70
Surface Select 1 Yr Br		23.80	20.85
7'	Whips	26.15	23.00
6'	Whips	23.70	20.75
5'	Whips	21.25	18.65
4'	Whips	18.05	15.95



Kwanzan Flowering Cherry

Okame	Zone 5	Height 20-30'	Spread 15-20'
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Prunus x incamp 'Okame'
Single, bright carmine-pink blossoms open in early spring before the dark
green foliage emerges. Upright oval form with showy reddish-bronze
bark. Orange-red fall foliage.

1"	Branched	39.80	35.05
6'	Branched	33.90	29.80
5'	Branched	30.35	26.65
6'	Whips	23.70	20.75
5'	Whips	21.25	18.65
4'	Whips	18.05	15.95



Okame Flowering Cherry

Prunus (Flowering Cherry)

		Each 10-49	Each 50-up
Yoshino	Zone 5	Height 20-30'	Spread 20-30'

Prunus yedoensis
Yoshino is the tree made famous by its blossom display at the tidal basin
in Washington D.C. Fragrant, single, blush pink blossoms. Grown on
their own root.

1 ¼"	Branched	43.10	37.90
1"	Branched	39.80	35.05
7'	Branched	36.50	32.10
6'	Branched	33.90	29.80
5'	Branched	30.35	26.65
4'	Branched	25.80	22.70
Surface Select 1Yr Br		23.80	20.85
7'	Whips	26.15	23.00
6'	Whips	23.70	20.75
5'	Whips	21.25	18.65
4'	Whips	18.05	15.95



Double Subhirtella Weeping Cherry

Prunus (Weeping Cherry)

Double Subhirtella	Zone 5	Height 12-16'	Spread 12-16'
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Prunus subhirtella 'Pendula'
Double pink rosette-like flowers bloom heavily on weeping branches.

Grafted at 5 ½'			
**	Jumbo	60.65	53.35
**	Heavy	54.30	47.80
**	#1	47.55	41.95
**	#1 Light	42.60	37.50

Grafted at 4'			
**	Heavy	43.50	38.35
**	#1	37.10	32.70
**	#1 Light	32.30	28.35



Pink Snow Showers™ Zone 5 Height 25' Spread 20-25'

 PW PROVEN WINNERS	**	Heavy	54.50	47.80
	**	#1	47.55	41.95
	**	#1 Light	42.60	37.50

Prunus 'Snofozam'
Snow white flowers cover the cascading branches giving the appearance of a fountain of snow. Plus \$.75 Royalty.

		<u>Grafted at 4'</u>	
**	Heavy	43.50	38.35
**	#1	37.10	32.70
**	#1 Light	32.30	28.35

	<u>Ground at 5 1/2'</u>		
**	Heavy	54.30	47.80
	#1	47.55	41.95
	#1 Light	42.60	37.50

Krauter Vesuvius	Zone 4	Height 15-20'	Spread 15-20'
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Prunus 'Krauter Vesuvius'
Adapts well to hot weather and low humidity. The dark purple spring leaves accent the delicate pink blossoms. Leaves remain purple through fall, but take on green accents. Young plant is smaller and narrower than Thundercloud. At maturity developing into an oval upright head.

1 ¼"	Branched	37.50	32.95
1"	Branched	31.15	27.45
6'	Branched	23.10	20.30
5'	Branched	19.65	17.35
4'	Branched	17.90	15.70



Thundercloud	Zone 4	Height 20'	Spread 20'
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Prunus 'Thundercloud'
Fragrant light pink flowers appear before the leaves unfold to a ruby red, then turn to a deep purple. Fast growth rate.

1 ¼"	Branched	37.50	32.95
1"	Branched	31.15	27.45
6'	Branched	23.10	20.30
5'	Branched	19.65	17.35
4'	Branched	17.90	15.70

Bur	Zone 3	Height 70-80'	Spread 40-50'
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Quercus macrocarpa
Broad oval habit. Adaptable oak thrives in dry and alkaline soils. Dark green leaves are shaped like a bass fiddle. Undercut for fibrous root system.

1"	Branched	51.90	45.70
6'	Branched	42.35	37.35
5'	Branched	33.90	29.80
7'	Whips	29.45	25.90
6'	Whips	26.70	23.55
5'	Whips	24.55	21.70
4'	Whips	22.10	19.50

Chinkapin	Zone 4	Height 40-50'	Spread 40-50'
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Quercus muehlenbergii
Broad rounded habit. Urban friendly, adaptable oak thrives in dry and alkaline soils. Shiny, dark green, saw-toothed leaves turn shades of red, yellow, orange and brown in fall. Undercut for fibrous root system.

**	1"	Branched	51.90	45.70
**	6'	Branched	42.35	37.35
**	5'	Branched	33.90	29.80
	7'	Whips	29.45	25.90
	6'	Whips	26.70	23.55
	5'	Whips	24.55	21.70
	4'	Whips	22.10	19.50



Heritage®	Zone 4	Height 40-50'	Spread 30-40'
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Quercus robur x macrocarpa 'Clemons'
Glossy dark green leaves are highly resistant to mildew. Maintains central leader and develops a dense, uniform pyramidal crown. Undercut for fibrous root system. Plus \$1.00 Royalty.

**	1"	Branched	57.10	50.20
**	6'	Branched	49.30	43.35
**	5'	Branched	42.25	37.15

Kindred Spirit® Zone 4 Height 40-50' Spread 10-15'

Quercus robur x bicolor 'Nadler' Plant Patent #17,604
Glossy dark green leaves are highly resistant to mildew. Sensational
narrow, columnar form is fast growing and resists wind and ice damage.
Undercut for fibrous root system.Plus \$2.00 Royalty.

**	1"	Branched	57.10	50.20
**	6'	Branched	49.30	43.35
**	5'	Branched	42.25	37.15



Northern Pin® **Zone 4** **Height 50-60'** **Spread 40'**

Quercus ellipsoidalis
Broad pyramidal habit. Bright glossy green foliage turns orange and brilliant red to scarlet-brown in fall. Heat and drought tolerant specimen tree adapts to heavier soils and alkaline conditions better than Pin Oak. Undercut for fibrous root system.

7'	Whips	29.45	25.90
6'	Whips	26.70	23.55
5'	Whips	24.55	21.70
4'	Whips	22.10	19.50

Nuttall	Zone 5	Height 50-60'	Spread 30-40'
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Quercus nuttallii
Fast growing, adaptable oak useful for poorly drained urban soils.
Reddish purple new growth matures to deep green color.
Yellow-orange-red fall foliage. Forms a full rounded crown at early age.
Undercut for fibrous root system.

**	1"	Branched	51.90	45.70
**	6'	Branched	42.35	37.35
**	5'	Branched	33.90	29.80



Pin	Zone 4	Height 70-80'	Spread 50-60'
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Quercus palustris
Broad pyramidal habit. Attractive head, leaves turn to a beautiful orange, red and gold in fall. Undercut for fibrous root system.

1 1/4"	Branched	59.25	52.10
1"	Branched	51.90	45.70
6'	Branched	42.35	37.35
5'	Branched	33.90	29.80
8'	Whips	31.30	27.55
7'	Whips	29.45	25.90
6'	Whips	26.70	23.55
5'	Whips	24.55	21.70



* Not Available
** Limited Supply

Quercus (Oak)

Red	Zone 4	Height 40-50'	Spread 40-50'
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Quercus rubra
Broad rounded habit. Fast growing oak, red foliage in the fall. Undercut for fibrous root system.

1 ¼"	Branched	59.25	52.10
1"	Branched	51.90	45.70
6'	Branched	42.35	37.35
5'	Branched	33.90	29.80
8'	Whips	31.30	27.55
7'	Whips	29.45	25.90
6'	Whips	26.70	23.55
5'	Whips	24.55	21.70



Chip Budding

Regal Prince®	Zone 4	Height 40-50'	Spread 15-20'
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Quercus robur x bicolor 'Long' Plant Patent #12,673
Glossy dark green leaves are highly resistant to mildew. Fast growing, develops a tight, columnar crown which resists wind and ice damage. Undercut for fibrous root system. Plus \$1.00 Royalty.

** 1"	Branched	57.10	50.20
** 6'	Branched	49.30	43.35
** 5'	Branched	42.25	37.15



Regal Prince® Hybrid Oak

Quercus (Oak)

Scarlet	Zone 4	Height 50-60'	Spread 30-40'
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Quercus coccinea
Best fall color of the oaks. Forms a rounded crown with age. Undercut for fibrous root system.

1"	Branched	51.90	45.70
6'	Branched	42.35	37.35
5'	Branched	33.90	29.80
7'	Whips	29.45	25.90
6'	Whips	26.70	23.55
5'	Whips	24.55	21.70
4'	Whips	22.10	19.50



Scarlet Oak

Shingle	Zone 4	Height 50-60'	Spread 40-50'
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Quercus imbricaria
Broad rounded habit. Adaptable shade tree transplants well. Shiny, dark green leaves turn yellow-brown to russet-red in fall. Undercut for fibrous root system.

** 1"	Branched	51.90	45.70
** 6'	Branched	42.35	37.35
** 5'	Branched	33.90	29.80
** 7'	Whips	29.45	25.90
** 6'	Whips	26.70	23.55
** 5'	Whips	24.55	21.70
4'	Whips	22.10	19.50

Swamp White	Zone 3	Height 50-60'	Spread 30-40'
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Quercus bicolor
Broad rounded habit. Adaptable oak thrives in both wet or dry soils. Yellow fall color may be tinged with red-purple. Undercut for fibrous root system.

1"	Branched	51.90	45.70
6'	Branched	42.35	37.35
5'	Branched	33.90	29.80
7'	Whips	29.45	25.90
6'	Whips	26.70	23.55
5'	Whips	24.55	21.70
4'	Whips	22.10	19.50

Quercus (Oak)

White	Zone 4	Height 60-70'	Spread 60-70'
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Quercus alba
Wide spreading, broad rounded habit. Dark green leaves turn purple-red in fall. Slow growing, adapts to a wide variety of soil conditions with good drought tolerance. Undercut for fibrous root system.

1"	Branched	51.90	45.70
6'	Branched	42.35	37.35
5'	Branched	33.90	29.80
7'	Whips	29.45	25.90
6'	Whips	26.70	23.55
5'	Whips	24.55	21.70
4'	Whips	22.10	19.50

Syringa (Tree Lilac)

Beijing Gold®	Zone 4	Height 25-35'	Spread 15-20'
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Syringa pekinensis 'Zhang Zhiming'
Fragrant, primrose-yellow flowers in early summer. Dark green foliage with golden yellow fall color. Upright habit with cinnamon-brown exfoliating bark. Good salt and drought tolerance once established. Plus \$1.00 Royalty.

** 7'	Branched	49.25	43.30
** 6'	Branched	42.75	37.60
** 5'	Branched	38.00	33.45
** 4'	Branched	33.40	29.35
7'	Whips	31.90	28.15
6'	Whips	30.10	26.45
5'	Whips	27.55	24.20



Beijing Gold™ Lilac

China Snow®	Zone 5	Height 25-35'	Spread 20-25'
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Syringa pekinensis 'Morton'
Large creamy white, fragrant flowers. Deep green foliage with yellowish-brown fall color. Rich amber-brown exfoliating bark. Good salt and drought tolerance once established. Plus \$1.00 Royalty.

** 1"	Branched	52.55	46.25
** 7'	Branched	49.25	43.30
** 6'	Branched	42.75	37.60
7'	Whips	31.90	28.15
6'	Whips	30.10	26.45
5'	Whips	27.55	24.20

Syringa (Tree Lilac)

Great Wall™	Zone 3	Height 20-25'	Spread 12-15'
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Syringa pekinensis 'Great Wall'
Very nice ornamental tree with upward sweeping branching on an upright oval form. Clusters of white fragrant flowers in the spring, with deep green foliage that turns gold in fall. Cherry-like, coppery exfoliating bark. Plus \$1.00 Royalty.

** 7'	Branched	49.25	43.30
** 6'	Branched	42.75	37.60
** 5'	Branched	38.00	33.45

Ivory Pillar™	Zone 3	Height 20-25'	Spread 10-15'
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Syringa reticulata 'Willamette'
Narrow upright form. Dark green foliage and large white flower spikes. Plus \$.75 Royalty.

7'	Branched	49.25	43.30
6'	Branched	42.75	37.60
5'	Branched	38.00	33.45
4'	Branched	33.40	29.35
* 7'	Whips	31.90	28.15
* 6'	Whips	30.10	26.45
* 5'	Whips	27.55	24.20



Ivory Silk® Lilac

Ivory Silk®	Zone 3	Height 20-25'	Spread 15'
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Syringa reticulata 'Ivory Silk'
A very hardy compact Japanese Tree Lilac with large creamy white flowers. Dark green foliage. Good disease resistance. Plus \$.95 Royalty.

7'	Branched	49.25	43.30
6'	Branched	42.75	37.60
5'	Branched	38.00	33.45
4'	Branched	33.40	29.35
7'	Whips	31.90	28.15
6'	Whips	30.10	26.45
5'	Whips	27.55	24.20

Syringa (Tree Lilac)

	Each 10-49	Each 50-up
Summer Charm® Zone 3 Height 20-25' Spread 15-20'		

Syringa pekinensis 'DTR 124'
Fragrant, creamy white flowers in early summer. Lustrous dark green foliage with yellow fall color. Upright oval habit with dark, shiny bark. Good salt and drought tolerance once established. Plus \$.90 Royalty.

* 7'	Branched	49.25	43.30
* 6'	Branched	42.75	37.60
* 5'	Branched	38.00	33.45
* 4'	Branched	33.40	29.35
* 7'	Whips	31.90	28.15
* 6'	Whips	30.10	26.45
* 5'	Whips	27.55	24.20



Summer Charm® Lilac

Syringa (Shrub Lilac)

Common Purple	Zone 3	Height 8-15'	Spread 6-12'
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Syringa vulgaris
Very fragrant purple flowers in mid spring make many feel nostalgic. Best as an informal hedge or shrub border for a natural look.

** 3'	Shrub	12.55	11.05
2'	Shrub	10.95	9.65
18"	Shrub	9.30	8.15
15"	Shrub	8.50	7.45

Dwarf Korean	Zone 3	Height 5-10'	Spread 5-10'
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Syringa meyeri 'Palibin'
Reddish purple buds open to striking spikes of fragrant pale lilac-pink flowers in late spring. Small rounded, dark green foliage emerges burgundy in spring and turns coppery in fall and is resistant to mildew. Dainty, compact uniform ball shape.

Grafted at 42"			
**	Heavy	49.30	43.35
**	#1	41.90	36.80
**	#1 Light	36.45	31.95
2'	Shrub	14.75	12.90
18"	Shrub	11.90	10.50
15"	Shrub	10.95	9.65
12"	Shrub	10.05	8.80

Syringa (Shrub Lilac)

	Each 10-49	Each 50-up
Josee Dwarf Zone 3 Height 5' Spread 5'		

Syringa meyeri 'Josee'
Re-blooming small, rounded form with fragrant violet-purple flowers in late spring and again in early fall. Hardy, mildew resistant foliage.

3'	Shrub	16.80	14.80
2'	Shrub	14.75	12.90
18"	Shrub	11.90	10.50
15"	Shrub	10.95	9.65

Miss Kim	Zone 4	Height 5-10'	Spread 5-10'
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Syringa patula 'Miss Kim'
Striking spikes of fragrant lilac-pink flowers in late spring after other lilacs have finished blooming. Pointed, dark green foliage turns burgundy red in fall. Uniform, compact ball shape.

3'	Shrub	16.80	14.80
2'	Shrub	14.75	12.90
18"	Shrub	11.90	10.50
15"	Shrub	10.95	9.65



Miss Kim Lilac

Yankee Doodle	Zone 3	Height 6-8'	Spread 5'
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Syringa vulgaris 'Yankee Doodle'
Compact, upright form with large flower clusters of the very deepest dark purple. Profuse fragrant blooms are excellent for cut flower arrangements.

* 3'	Shrub	13.95	12.30
* 2'	Shrub	12.55	11.05
* 18"	Shrub	11.55	10.15
* 15"	Shrub	10.55	9.30



Yankee Doodle Lilac

Taxodium (Bald Cypress)

	Each 10-49	Each 50-up
Bald Cypress Zone 4 Height 60-70' Spread 20-30'		

Taxodium distichum
A stately deciduous conifer adaptable to wet or dry conditions. Best known in wet areas, also does well in urban conditions. "Cypress knees" occur only near water. Prefers acid soils.

** 6'	Branched	40.35	35.55
** 5'	Branched	33.40	29.35
** 4'	Branched	29.85	26.35

Tilia (Linden)

American Sentry™	Zone 3	Height 50-60'	Spread 20-30'
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Tilia americana 'American Sentry'
Excellent narrow, upright pyramidal habit. Creamy white flowers with a nice spicy fragrance, blooming in late June. Silvery gray bark and dark green leaves turning yellow in fall. Resistant to Japanese beetles. Plus \$.75 Royalty.

1"	Branched	45.20	39.80
6'	Branched	41.90	36.80
5'	Branched	34.25	30.15
7'	Whips	29.50	25.95
6'	Whips	26.90	23.70
5'	Whips	24.55	21.70
4'	Whips	22.30	19.60



Greenspire® Linden

Greenspire®	Zone 3	Height 40-50'	Spread 15-25'
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Tilia cordata 'Greenspire' Plant Patent #2,086
This linden has small leathery foliage that grows rapidly into a narrow oval form. The branches form in a radial manner on a straight trunk. Plus \$.50 Royalty.

1"	Branched	45.20	39.80
6'	Branched	41.90	36.80
6'	Light Branched	37.90	33.40
5'	Branched	34.25	30.15
6'	Whips	26.90	23.70
5'	Whips	24.55	21.70
4'	Whips	22.30	19.60

Tilia (Linden)

	Each 10-49	Each 50-up
Harvest Gold® Zone 2 Height 40' Spread 30'		

Tilia x mongolica 'Harvest Gold' Plant Patent #12,232
Excellent upright growth habit, exfoliating bark, attractive glossy foliage that consistently turns a golden fall color. Golden buds turn brown in late winter. Resistant to sun scald and leaf spot. Plus \$.75 Royalty.

** 1"	Branched	45.20	39.80
** 6'	Branched	41.90	36.80
** 5'	Branched	34.25	30.15

Satin Shadow™	Zone 5	Height 50'	Spread 40'
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Tilia tomentosa 'Satin Shadow'
Fast growing with an upright form. Dark green foliage with silver undertones underneath turn to a yellow-green in the autumn. The silver leaves that show up and shimmer in the wind add beauty to any landscape. Plus \$.85 Royalty.

** 1"	Branched	45.20	39.80
** 6'	Branched	41.90	36.80
** 6'	Light Branched	37.90	33.40
** 5'	Branched	34.25	30.15
** 4'	Branched	28.20	24.90
6'	Whips	26.90	23.70
5'	Whips	24.55	21.70
4'	Whips	22.30	19.60

Sterling Silver	Zone 5	Height 50-60'	Spread 30-40'
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Tilia tomentosa 'Sterling' Plant Patent #6,511
Excellent tailored pyramidal growth habit produces a neat, trim appearance. When young the leaves are completely silvery and then turn a lustrous dark green with a silver undersurface at maturity. Unpalatable to many insects. Plus \$.90 Royalty.

1 ¼"	Branched	50.40	44.35
1"	Branched	45.20	39.80
6'	Branched	41.90	36.80
5'	Branched	34.25	30.15
7'	Whips	29.50	25.95
6'	Whips	26.90	23.70
5'	Whips	24.55	21.70
4'	Whips	22.30	19.60



Ulmus (Elm)

		Each 10-49	Each 50-up
Accolade®	Zone 5	Height 50-60'	Spread 30-40'
Ulmus japonica x wilsoniana 'Morton'			
Graceful vase-shaped habit. Glossy dark green foliage. Insect and disease resistant. Drought tolerant. Grown on their own root. Plus \$1.00 Royalty.			
1"	Branched	46.95	41.30
6'	Branched	42.05	37.00
5'	Branched	34.70	30.55
7'	Whips	29.85	26.35
6'	Whips	26.95	23.75
5'	Whips	24.15	21.30
4'	Whips	22.00	19.35

All'ee® Lacebark	Zone 3	Height 40-50'	Spread 15-25'
Ulmus parvifolia 'Emer II'		Plant Patent #7,552	
Vase shaped form with exfoliating puzzle-like patterned bark. Rich green foliage, resistant to Dutch Elm disease. Grown on their own root.			
Plus \$1.20 Royalty.			
1"	Branched	46.95	41.30
6'	Branched	42.05	37.00
5'	Branched	34.70	30.55
4'	Branched	30.45	26.80
3'	Branched	26.45	23.20

Emerald Sunshine®	Zone 5	Height 50-60'	Spread 40-50'
Ulmus propinqua 'JFS-Bieberich'			
Vase shaped growth. Strong textured leaves emerge with red tints to a deep rich green and rich yellow fall color. Insect and disease resistant. Plus \$1.75 royalty.			
** 1"	Branched	46.95	41.30
** 6'	Branched	42.05	37.00
** 5'	Branched	34.70	30.55

Everclear® Lacebark		Zone 5	Height 40'	Spread 15'
Ulmus parvifolia 'BSNUPF'			Plant Patent #17,655	
Uncommonly narrow head with tight branch angles. Highly ornamental bark that exfoliates in patches of orange, green-gray, and tan. Resistant to Dutch Elm disease and Elm Leaf Beetle damage. Plus \$1.00 royalty.				
1"	Branched		46.95	41.30
6'	Branched		42.05	37.00
5'	Branched		34.70	30.55
4'	Branched		30.45	26.80



Everclear® Elm

Ulmus (Elm)

		Each 10-49	Each 50-up
Frontier	Zone 5	Height 30-40'	Spread 20-30'
Ulmus carpinifolia x parvifolia 'Frontier'			
Symmetrical upright vase-shaped habit. Glossy green foliage turns burgundy-red in fall. Resistant to Dutch Elm disease and Elm Leaf Beetle damage. Bark resistant to frost cracking. Urban tolerant.			
** 1"	Branched	46.95	41.30
** 6'	Branched	42.05	37.00
** 5'	Branched	34.70	30.55
6'	Whips	26.95	23.75
5'	Whips	24.15	21.30
4'	Whips	22.00	19.35



New Harmony Elm

New Harmony American	Zone 5	Height 60-70'	Spread 60-70'
Ulmus americana 'New Harmony'			
Upright, broadly vase-shaped form with dense canopy and slender, often drooping, branches. Medium green foliage in summer with yellow fall foliage. Insect and disease resistant. Urban and drought tolerant. Grown on their own root.			
** 1"	Branched	46.95	41.30
** 6'	Branched	42.05	37.00
** 5'	Branched	34.70	30.55

New Horizon	Zone 4	Height 50-60'	Spread 30-40'
Ulmus japonica x pumila 'New Horizon'			
Large dark green leaves are tolerant of urban conditions. Upright oval form with a slightly arching habit. Resistant to Dutch elm disease, elm leaf miner, and verticillium wilt.			
** 8'	Whips	33.40	29.35
** 7'	Whips	29.85	26.35
** 6'	Whips	26.95	23.75
** 5'	Whips	24.15	21.30

Princeton American	Zone 3	Height 60-70'	Spread 60-70'
Ulmus americana 'Princeton'			
Vigorous, broadly vase-shaped form with full, dense canopy. Large, leathery dark green foliage in summer with butter yellow fall foliage. Insect and disease resistant. Urban and drought tolerant. Grown on their own root.			
1"	Branched	46.95	41.30
6'	Branched	42.05	37.00
5'	Branched	34.70	30.55
8'	Whips	33.40	29.35
7'	Whips	29.85	26.35
6'	Whips	26.95	23.75
5'	Whips	24.15	21.30
4'	Whips	22.00	19.35

Ulmus (Elm)

		Each 10-49	Each 50-up
Triumph™	Zone 4	Height 50-60'	Spread 40-50'
Ulmus x 'Morton Glossy'			
Graceful upright-oval habit. Glossy dark green foliage in summer with yellow fall foliage. Insect and disease resistant. Drought tolerant. Grown on their own root. Plus \$1.00 Royalty.			
1 ¼"	Branched	52.45	46.15
1"	Branched	46.95	41.30
6'	Branched	42.05	37.00
5'	Branched	34.70	30.55
4'	Branched	30.45	26.80

Viburnum

Burkwood	Zone 3	Height 8-10'	Spread 6-8'
Viburnum x burkwoodii			
Flowers are pink in bud, opening to pure white in mid-Spring with spicy fragrance. Foliage is lustrous dark green. Fruit is red, changing to black but can be sparse and insignificant. Maroon fall color.			
3'	Shrub	16.95	14.95
2'	Shrub	14.90	13.15
18"	Shrub	12.80	11.30

Shasta Doublefile	Zone 5	Height 6-8'	Spread 6-8'
Viburnum plicatum f. tomentosum 'Shasta'			
Profusion of extra large, pure white flowers in late Spring with a horizontal growth habit. Bright red fruits are a brief ornamental attraction in summer. Dark green leaves turn maroon in autumn.			
** 3'	Shrub	12.30	10.85
** 2'	Shrub	10.75	9.45
** 18"	Shrub	9.20	8.10
** 12"	Shrub	7.50	6.55

Zelkova

Green Vase®	Zone 4	Height 60-70'	Spread 40-50'
Zelkova serrata 'Green Vase'		Plant Patent #5,080	
A strong and vigorous grower. Upright branches bearing rich, glossy green leaves. Disease and pest resistant. Plus \$.75 Royalty.			
1"	Branched	51.60	45.40
6'	Branched	43.50	38.35
5'	Branched	36.60	32.25
8'	Whips	33.30	29.30
7'	Whips	32.30	28.35
6'	Whips	29.85	26.35
5'	Whips	26.60	23.40



Green Vase® Zelkova

Zelkova

		Each 10-49	Each 50-up
Musashino	Zone 4	Height 45'	Spread 15'
Zelkova serrata 'Musashino'			
Very narrow, upright columnar habit is perfect for busy urban streets. Medium green leaves turn yellow to orange-yellow in fall. Disease and pest resistant.			
8'	Whips	33.30	29.30
7'	Whips	32.30	28.35
6'	Whips	29.85	26.35
5'	Whips	26.60	23.40



Musashino Zelkova

Village Green™		Zone 5	Height 50-60'	Spread 20-30'
Zelkova serrata 'Village Green'			Plant Patent #2,337	
Forms a wine glass shape, similar to American Elm. Large dark green leaves. Disease and pest resistant. Plus \$.50 Royalty.				
1"	Branched		51.60	45.40
6'	Branched		43.50	38.35
5'	Branched		36.60	32.25
8'	Whips		33.30	29.30
7'	Whips		32.30	28.35
6'	Whips		29.85	26.35
5'	Whips		26.60	23.40



Village Green Zelkova



TERMS OF BUSINESS

ORDERS – We allocate orders subject to crop growing conditions and counting errors. Orders shall become void should injury befall the stock from fire, hail, flood, drought, or other causes beyond our control. Minimum order \$2,000.00. Order in multiples of 10.

TERMS – Our standard terms are net 30 days from date of invoice for those whom we have established credit with, unless otherwise agreed on by both parties. Satisfactory references are required from new customers. Interest will be charged on all overdue accounts, and is assessed at 18% annually (1.5% per month). No cancellations will be accepted after December 1st of each year. In the event a dispute arises as to the enforcement of the terms of this agreement, Surface Nursery shall be entitled to all costs, including attorney’s fees, whether or not legal action is initiated. Oregon law shall govern all terms of this agreement and should it become necessary to file suit with regard to this agreement, such suit must be brought in the County of Multnomah, State of Oregon.

CREDITS – Claims regarding disease or mortality should be reported upon suspect. Credits will not be given after **60 days from the date of delivery**. We shall in no case be liable for any sum greater than the amount originally received for said nursery stock.

GRADE STANDARDS – We follow the American Standard for Nursery Stock (ANSI Z60.1-2014) published by American Horticulture Industry Association d/b/a AmericanHort. www.americanhort.org

PRICES – Herein are F.O.B. Gresham, Oregon and are for the Trade only. They are based on present conditions and are subject to change without notice.

SHIPPING – We will ship via refrigerated pool truck whenever possible. All shipments travel at the risk and cost of the purchaser. Freight charges will be billed directly from the truck broker, separately from nursery stock. Federal ICC regulations require payments within 7 days of freight invoicing. Our truck brokers provide a prepaid freight service on the assumption that ICC regulations will be observed.

GUARANTEE – We give no warranty, expressed or implied as to life, description, quality productiveness, or any other matter regarding any nursery stock, seeds or plants that we sell. It is mutually agreed that our total liability for any error, should stock prove untrue to name as labeled, shall be limited upon satisfactory proof, to our replacing free or refunding the purchase price thereof.

CLAIMS – Any claim for shortage, breakage, or unsatisfactory material must be made in writing within 10 days from receipt of shipment. Product claims stemming from damage incurred during transportation should be made with the transportation company. All claims should be reported upon suspect and no later than June 15th. We shall in no case be liable for any sum greater than the amount originally received for said nursery stock.

QUANTITY DISCOUNTS – Quantity discounts apply when trees of a single variety are ordered in quantities of 50 or more. Discounts are available for both branched and whips. However, branched and whips cannot be combined to reach the discount rate.

DOLLAR VOLUME DISCOUNTS – In addition to our quantity discounts, we offer dollar volume discounts as listed below. Discounts are valid only if payment is received according to the terms indicated on your sales contract with Surface Nursery, Inc.

SALES VOLUME	DISCOUNT
\$ 7,000	5%
\$15,000	10%
\$30,000	15%
\$50,000	20%

NOTE: Royalty fees and freight are not discounted.

We accept debit or credit card as payment for your tree order. There is a 3.2% service fee if you choose this payment option.

PATENTED, REGISTERED, TRADEMARKED TREES

- Acer Greenstreet™ ‘Grstzam’ **\$.95**
- Acer Autumn Blaze® *Plant Patent #4,864* **\$1.00**
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- Acer October Glory® *Plant Patent #2,116* **\$.50**
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- Acer Red Sunset® **\$1.00**
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- Acer Highland Park® ‘Hipazam’ **\$.95**
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- Ginkgo Golden Globe **\$1.00**
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- Ginkgo Princeton Sentry® *Plant Patent #2,726* **\$.60**
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- Malus Coralburst® *Plant Patent #2,983* **\$.95**
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- Malus Red Jewel® **\$.75**
- Malus Royal Raindrops® **\$2.00**
- Malus Show Time™ ‘Shotizam’ ***PW \$2.50**
- Malus Sugar Tyme® ‘Sutyzam’ *Plant Patent #7,062* **\$.80**
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- Platanus Exclamation! **\$1.00**
- Populus Dancing Flame® **\$1.00**
- Prunus Pink Snow Showers™ ‘Pisnshzam’ ***PW \$2.50**

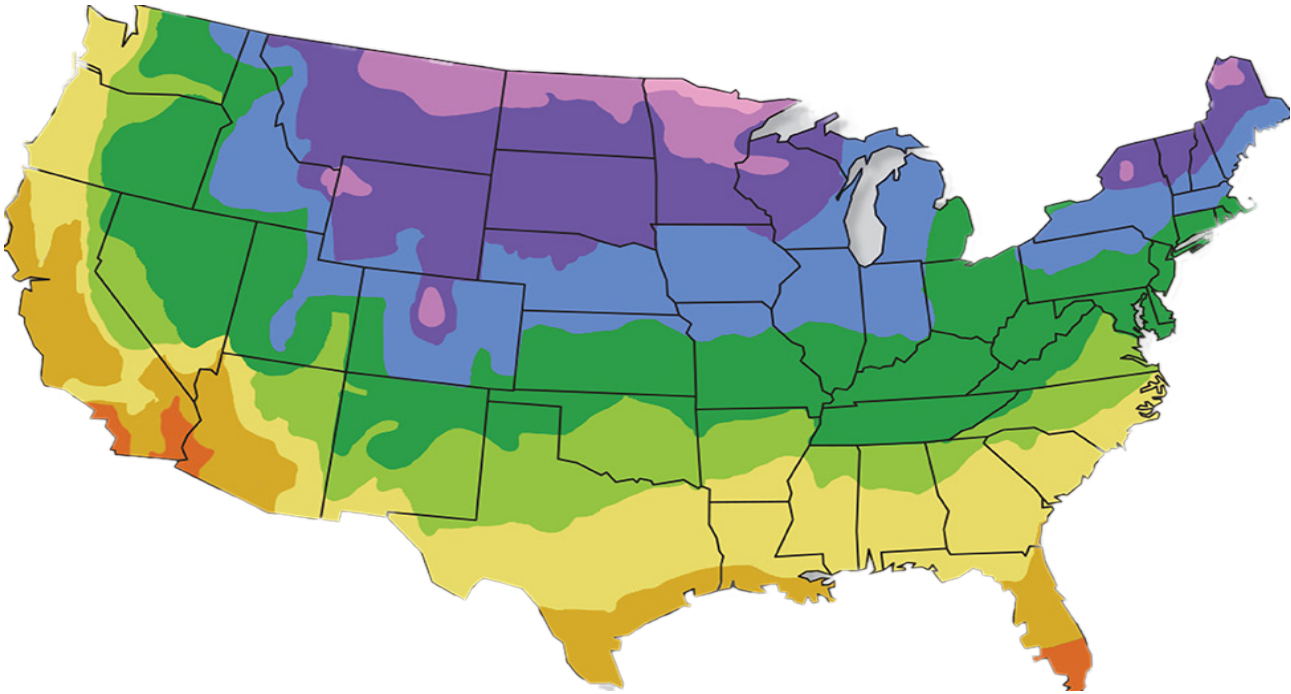
- Prunus Snow Fountains® ‘Snofozam’ **\$.75**
- Quercus Heritage® **\$1.00**
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- Syringa Summer Charm® **\$.90**
- Tilia American Sentry™ *Plant Patent #78/462,568* **\$.75**
- Tilia Greenspire® **\$.50**
- Tilia Harvest Gold® *Plant Patent #12,232* **\$.75**
- Tilia Satin Shadow™ **\$.85**
- Tilia Sterling Silver *Plant Patent #6,511* **\$.90**
- Ulmus Accolade® **\$1.00**
- Ulmus All`ee® *Plant Patent #7,552* **\$1.20**
- Ulmus Emerald Sunshine® **\$1.75**
- Ulmus Everclear® **\$1.00**
- Ulmus Triumph™ **\$1.00**
- Zelkova Green Vase® *Plant Patent #5,080* **\$.75**
- Zelkova Village Green™ *Plant Patent #2,337* **\$.50**

***Proven Winners (PW)**

Nursery stock bearing patent numbers are registered®, or trademarked™ and produced under license from their respective patent, registered or trademark owners. Royalty fees will be assessed in addition to the listed unit price and are indicated in our catalog.



USDA Plant Hardiness Zones
Average Annual Extreme Minimum Temperature



Temp (F)	zone	Temp (C)
-50 to -40	2	-45.6 to -40
-40 to -30	3	-40 to -34.4
-30 to -20	4	-34.4 to -28.9
-20 to -10	5	-28.9 to -23.3
-10 to 0	6	-23.3 to -17.8
0 to 10	7	-17.8 to -12.2
10 to 20	8	-12.2 to -6.7
20 to 30	9	-6.7 to -1.1
30 to 40	10	-1.1 to 4.4

We are so grateful for our customers and thankful for your loyalty throughout the years!
We look forward to building and continuing the relationships we have established, and
providing you quality trees again.

-The Surface Team



NEW VARIETIES COMING SOON!

**Dakota Pinnacle Asian White Birch*

**Lucas Columnar European Hornbeam*

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