

Acer - Maple

Acer x freemanii 'Armstrong'

Armstrong Maple

Height: 45'; Spread: 15'

A narrow crown with erect and almost parallel branches taper towards the top. Light green foliage turns yellow to orange-red in the fall. A fast growing columnar tree.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X			X		

Acer x freemanii 'Jeffersred'

Autumn Blaze® Maple

Height: 50 - 55'; Spread: 40'

A popular tree known for its brilliant red-orange fall color and rapid growth rate. Oval to rounded crown with ascending branches and a central leader at maturity. Soil adaptable. 1997 Iowa Tree of the Year.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X	X	X	X

Acer x freemanii 'Celzam'

Celebration® Maple

Height: 45'; Spread: 20 - 25'

Outstanding tree with upright, uniform growth. Dense, disease resistant foliage. Early fall color begins with a cast of red turning to gold in October. Adaptable over a wide range of soils.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X					

Acer x freemanii 'Scarsen'

Scarlet Sentinel® Maple

Height: 40 - 45'; Spread: 20 - 25'

A fast, upright grower. Silver-gray, smooth bark. Rich green foliage turns yellow-orange to orange-red in fall. While more columnar in youth, the tree matures to a rounded oval shape.

2"	2.5"	3"	3.5"	4"	4.5"	5"
			X	X		

Acer x freemanii 'Sienna'

Sienna Glen® Maple

Height: 60'; Spread: 40'

Excellent pyramidal form and branching habit. A hardy, vigorous grower. Tolerant of alkaline, acidic and wet conditions. Superior to Autumn Blaze in withstanding strong winds. A good substitute for Ash.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X	X		

Acer platanoides - Norway Maple

Acer platanoides 'Columnar'

Columnar Norway Maple

Height: 55'; Spread: 15 - 20'

Compact, narrow-form with heavy, dark green foliage that changes to yellow in fall. Excellent for street planting, accent and formal effects.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X				

Acer platanoides 'Columnarbroad'

Parkway® Norway Maple

Height: 40'; Spread: 25'

One of the best Norway Maples for city use because of its pyramidal to oval shape, well behaved branching and strong central leader. Disease resistant. A good tree for street and boulevards. Dark green summer foliage turning a nice yellow in fall.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X						

Acer platanoides 'Deborah'

Deborah Norway Maple

Height: 45 - 55'; Spread: 40 - 50'

Similar to 'Schwedler' maple, but is straighter growing with more upright branching. Vigorous. Brilliant red leaves in spring turn dark bronze-green in summer.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X	X	X	

Acer platanoides 'Pond'

Emerald Luster® Norway

Height: 45 - 55'; Spread: 45 - 55'

This vigorous shade tree has an outstanding branching habit, which forms a rounded canopy. New foliage has an attractive red tinge then matures to glossy deep green with a slight wavy margin. Needs good drainage.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X	X	X	

Acer platanoides 'Emerald Queen'

Emerald Queen Norway

Height: 50 - 60'; Spread: 40 - 45'

Rapid growing tree with ascending branches. Oval shape. Dark green, glossy leaves turn bright yellow in fall. Tolerates a wide range of soils.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X				

Acer platanoides

Crimson King

Height: 40'; Spread: 35'; Grown in a 21" fabric bag.

Rich maroon leaf color throughout growing season; slow grower.

2"	2.5"	3"	3.5"	4"	4.5"	5"
		X				

Acer rubrum - Red Maple

Acer rubrum 'Autumn Flame'

Autumn Flame Maple

Height: 35'; Spread: 35'

Rounded crown with dense, symmetrical canopy. Medium green foliage turns bright red-yellow. One of the first trees to turn color in the fall, lasting for several weeks.

2"	2.5"	3"	3.5"	4"	4.5"	5"
		X	X	X		

Acer rubrum 'Autumn Spire'

Autumn Spire Maple

Height: 50'; Spread: 35 - 40'

Columnar form of rubrum Maple. Showy red flowers in spring before leaves open. Beautiful, consistent red fall color. Hardy.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X				

Acer rubrum 'October Glory'

October Glory® Maple

Height: 50 - 60'; Spread: 35 - 40'

This terrific Red Maple is most impressive for its intense red fall color, even under less than perfect circumstances. The color lasts much longer than many other Red Maples.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X	X		

Acer rubrum 'Franksred'

Red Sunset® Maple

Height: 50'; Spread: 30 - 40'

Dense, pyramidal to rounded form. Thick, glossy leaves turn orange-red to brilliant red in fall. Long display of fall color. Adaptable to climates and soils. Good for street and lawn use.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X	X	X	X

Acer saccharum - Sugar Maple

Acer saccharum

Sugar Maple

Height: 60 - 75'; Spread: 40 - 50'

A hardy shade tree valued for its outstanding, reliable fall color, and its dense, oval-rounded form. Fall colors range from rich yellow to brilliant shades of orange and red.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X			

Acer truncatum x *A. platanoides*

Acer truncatum x *A. platanoides* 'Warrenred' Pacific Sunset® Maple

Height: 30 - 35'; Spread: 25 - 30'

This great cultivar has all the best attributes of a Norway Maple in a smaller, more compact size. A vigorous, fast growing tree with an upright, spreading, rounded crown and fine branching habit. Glossy dark green foliage turns bright yellow-orange to red in the fall. Excellent tree for small areas.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X	X	X	X	X	X

Betula - Birch

Betula nigra

River Birch

Height: 35 - 55'; Spread: 40 - 50'

Pyramidal, dense when young. Cinnamon brown exfoliating bark. Dark green foliage turns golden yellow in fall. Adaptable to urban conditions. Resistant to bronze birch borer.

Clump Form - Three or more stems - Priced by height

14/16'	16/18'	18/20'	20/24'
X	X	X	X

Single Stem - Priced by caliper

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X	X	X	X		

Betula Populifolia

White Spire Birch

Height: 40'; Spread: 25-30'

Beautiful spire-like upright form white non-exfoliating bark. Resistant to bronze birch borer. Leaves are glossy, dark green, turning gold in the fall.

Clump Form - Three or more stems

10/12"	12/14'	14/16'	16'/18'	18/20'
X				

Single Stem

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X					

Celtis - Hackberry

Celtis occidentalis

Common Hackberry

Height: 35 - 55'; Spread: 40 - 50'

A durable, large tree with broad, ascending branches and corky, gray-brown bark. Moderate to rapid growth. Bright green foliage turns yellow in fall. Purplish fruits relished by birds. Tolerant of urban conditions.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X	X	X			

Ginkgo biloba - Ginkgo

Ginkgo biloba 'Princeton Sentry'

Princeton Sentry® Ginkgo

Height: 50'; Spread: 25'

A stately narrow, pyramidal grower. Fan shaped leaves emerge light green, turning darker green in summer, and then to a spectacular, bright yellow in fall. Tolerant of a wide range of soil and environmental conditions.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X		X		

Ginkgo biloba

Ginkgo Male

Height: 50'; Spread: 40'

Leaves bright green in Summer, turning gold in the fall.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X					

Gleditsia - Honeylocust

Gleditsia triacanthos var. inermis 'Impcole'

Imperial® Honeylocust

Height: 30 - 35'; Spread: 30 - 35'

This strong, graceful, spreading variety has dainty, refined foliage of bright green that adds to its ornamental appeal and turns yellow in fall. Thornless and essentially seedless. Tolerates salt, heat, drought and compaction.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X			

Gleditsia triacanthos var. inermis 'Shademaster' Shademaster® Honeylocust

Height: 50 - 60'; Spread: 30 - 35'

An outstanding thornless Honeylocust. Vase shaped crown. Dark green foliage turns yellow-green in fall. This cultivar is essentially fruitless with good resistance to drought. A rapid grower, it is known for its straight trunk.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X	X	X	X		

Gleditsia triacanthos var. inermis 'Skycole' Skyline® Honeylocust

Height: 50'; Spread: 30 - 35'

A pyramidal tree that maintains a central leader. Dark green, fine-textured foliage turns gold-yellow in fall. Thornless and essentially fruitless. It is a valuable tree for light, filtered shade.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X			

Malus - Crabapple

Malus 'Prairifire'

Prairifire Crab

Height: 15 - 20'; Spread: 20'; Flower: Purple-red; Fruit: Maroon, 3/8"

Upright, spreading, becoming rounded with age. Red-maroon foliage ages to reddish green. Crimson buds open to dark purplish-red flowers. Excellent disease resistance. 1996 Iowa Tree of the Year. Fruit hangs on to tree over the winter months.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X					

Malus 'Jewelcole'

Red Jewel™ Crab

Height: 15'; Spread: 12'; Flower: White; Fruit: Red, 1/2"

This beautiful red-fruited, white flowering crab is a lovely tree for year-round interest in the landscape. After freezing, the cherry red fruit shrivels and darkens, but hangs on the tree until February or March. The foliage is dark green.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X	X				

Malus 'Robinson'

Robinson Crab

Height: 25'; Spread: 25'; Flower: Pink; Fruit: Red, 3/8"

Upright, spreading with age. Crimson buds open to single, pink flowers. Dark red, glossy and persistent fruit. Reddish leaves age to bronze-green. Coppery-orange fall color. Disease resistant.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X				

Malus 'Snowdrift'

Snowdrift Crab

Height: 15 - 20'; Spread: 20 - 25'; Flower: White; Fruit: Red, 3/8"

This outstanding white flowering crab has heavy textured, glossy green foliage, and persistent fruit. A hardy and low maintenance crabapple.

2"	2.5"	3"	3.5"	4"	4.5"	5"
			X			

Malus 'Spring Snow'

Spring Snow Crab

Height: 25 - 30'; Spread: 15'; Flower: White; Fruit: None

This fruitless introduction is completely covered with pink buds that open to fragrant white flowers. It has bright green foliage and good heat tolerance.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X	X	X	X		

Malus 'Sutyzam'

Sugar Tyme® Crab

Height: 18'; Spread: 15'; Flower: White; Fruit: Red, 1/2"

This is a disease resistant, award winning crab. It has crisp green foliage and pale buds that open to showy white flowers which completely cover the tree. Spectacular in the landscape as the red fruits remain on the tree all year.

2"	2.5"	3"	3.5"	4"	4.5"	5"
		X				

Platanus - Sycamore

Platanus x acerfolia 'Bloodgood'

Bloodgood London Planetree

Height: 90'; Spread: 60 - 70'

An excellent choice for urban situations, this tree tolerates adverse soils, air pollution, heat and drought. A rapid growing tree for more open spaces; it has beautiful cream, olive, and brown exfoliating bark.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X	X		

Prunus - Plum

Prunus cerasifera 'Newport'

Newport Plum

Height: 15 - 20'; Spread: 15 - 20'

This small ornamental tree has beautiful reddish-purple foliage with bright red tips all summer long. One of the first trees to bloom in spring, it has fragrant pink flowers that are followed by purple fruit.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X					

Prunus virginiana 'Shubert'

Canada Red Cherry

Height: 20 - 25'; Spread: 20'

The foliage is the star in this very hardy tree. It emerges green, then turns red as the leaves mature, and finally red to reddish-purple in fall. Pay special attention to insure good drainage and aeration.

1.75"	2"	2.5"	3"	3.5"	4"	4.5"
X						

Pyrus - Pear

Pyrus calleryana 'Chanticleer'

Chanticleer® Pear

Height: 25 - 30'; Spread: 15'

A hardy, narrow, pyramidal tree with clusters of showy white flowers in spring. Glossy green summer foliage turns an outstanding reddish-orange to plum in fall. Less susceptible to wind and ice damage than Bradford Pear.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X			

Pear Clump Form

8/10'	10/12'	12/14'	14/16'	16/18'
X	X	X		

Quercus - Oak

Quercus bicolor

Swamp White Oak

Height: 50 - 60'; Spread: 40 - 50'

An impressive shade tree forming a broad, open round-topped crown. Lustrous dark green leaves have whitish, gray-

green undersides. Fall color ranges from yellowish-brown to red. Acorns are 1" long and are covered with a shiny, light brown cap. Leaves persist into the winter. Likes moist, acidic soils.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X	X	X	X		

Quercus palustris

Pin Oak

Height: 40 - 60'; Spread: 40'

This rapid growing, native Oak is widely used as a boulevard tree. Foliage is dark green in summer turning bronze-red in fall. Leaves persist on tree into winter. The acorn is about 1/2" long and 3/4" wide. Bark is grayish-brown and more smooth than other Oaks.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X	X		

Quercus rubra

Northern Red Oak

Height: 60 - 80'; Spread: 40 - 60'

This is the fastest growing Oak and one of the easiest to transplant, this tree is great for street use or as a landscape tree. The foliage is dense and lustrous and leaves hang on the tree into winter. 1999 Iowa Tree of the Year.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X	X	X	X		

Quercus x warei 'Long'

Regal Prince Oak

Height: 40 - 60'; Spread: 20'

This vigorous oak is the result of a cross between Upright English Oak and Swamp White Oak and has a distinctive upright oval habit. Beautiful all season long, the foliage has an attractive silvery lower surface. It is tolerant of a wide range of soil types, wet and dry. Yellow-brown fall color.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X						

Syringa Reticulata

Syringa Reticulata

Ivory Silk Lilac

Height: 25'; Spread: 15'

A most attractive small flowering tree with cherry-like bark. Bear large creamy white flower clusters with dark green leaves.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X					

Tilia - Linden

Tilia americana 'Redmond'

Redmond Linden

Height: 35 - 55'; Spread: 25 - 30'

A rapid growing, pyramidal tree with large, heart-shaped, glossy green foliage that turns yellow in fall. Prefers moist, fertile soils, but will tolerate drier conditions.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X	X	X	

Tilia cordata 'Greenspire'

Greenspire® Linden

Height: 40 - 50'; Spread: 30'

Named the Iowa Tree of the Year in 1998, this Linden is widely used as a street tree because of its single leader and

good branching habit. It has yellow flowers in June and heart-shaped, dark green foliage that turns yellow in the fall.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X	X	X	

Tilia x flavescens

Glenleven Linden

Height: 40 - 50'; Spread: 30 - 35'

A fast growing, pyramidal tree with a straight trunk and large, dark green foliage that turns yellow in fall. Yellow flowers appear in early summer. Tolerates urban conditions.

2"	2.5"	3"	3.5"	4"	4.5"	5"
		X	X	X	X	

Tilia Tomentosa-Silverlinden

Green Mountain Linden

Height: 50 - 60'; Spread: 40'

Rapid growing, handsome dense-headed tree. Dark green leaves with silvery underside.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X	X				

Ulmus - Elm

Ulmus 'Morton'

Accolade® Elm

Height: 70'; Spread: 40 - 50'

This selection has excellent Dutch elm disease resistance with a form resembling the American Elm. A 20 year old tree at the Morton Arboretum is 40' in height with approximately a 30' spread. The beautiful glossy, dark green foliage turns golden yellow in the fall.

2"	2.5"	3"	3.5"	4"	4.5"	5"
		X	X	X	X	

Ulmus 'Commendation'

Commendation™ Elm

Height: 60'; Spread: 40'

A Morton Arboretum introduction. It has shown good vigor and is reported to have excellent drought resistance and adaptability to tough sites. The ultimate form of the tree is more oval than vase-shaped, but is still quite attractive. The tree should be a good all-around tree for a variety of sites.

2"	2.5"	3"	3.5"	4"	4.5"	5"
		X	X	X	X	

Ulmus 'Pioneer'

Pioneer Elm

Height: 50'; Spread: 50'

This USDA introduction is the result of a cross between *Ulmus glabra* and *Ulmus carpinifolia* in their quest to breed Dutch Elm disease resistant elms. It is a fast growing tree, with a dense full head and glossy green foliage that turns yellow in autumn.

2"	2.5"	3"	3.5"	4"	4.5"	5"
X	X	X	X	X		

Ulmus 'Morton Glossy'

Triumph™ Elm

Height: 60'; Spread: 35 - 40'

This selection resulted from a controlled cross between Vanguard Elm and Accolade Elm conducted at the Morton Arboretum. It has an upright habit with strong branching, lustrous dark green foliage and excellent disease and pest resistance.

2"	2.5"	3"	3.5"	4"	4.5"	5"
	X	X	X	X		

Evergreens

Picea abies

Norway Spruce

Height: 40 - 60'; Spread: 25 - 30'

Medium to fast growth rate when young. Pyramidal and stiff when young, but graceful at maturity. Excellent for screen, windbreak or specimen. Bright green needles turning to dark green over time.

	1-5	6+
4' B&B	X	X
5' B&B	X	X

Picea glauca densata

Black Hills Spruce

Height: 35 - 45'; Spread: 25 - 30'

A dense, symmetrical cone shaped tree. Bright green needles mature to blue-green. Desirable for specimen, hedge or windbreak.

	1-5	6+
4' B&B	X	X
5' B&B	X	X

Picea pungens

Colorado Spruce

Height: 60'; Spread: 10 - 20'

This beautiful Spruce varies in color from gray-green to blue-green. A broad, pyramidal shaped tree. Prefers full sun and well drained soil.

	1-5	6+
4' B&B	X	X
5' B&B	X	X

Thuja occidentalis 'Techny'

Techny Arborvitae

Height: 12 - 15'; Spread: 4 - 6'

A fast growing Arborvitae with dense foliage that maintains its dark green color all year. Excellent for screens and tall sheared hedges. Good in sun or light shade. Also referred to as 'Mission' Arborvitae.

	1-10	11-25	26+
4' B&B	X	X	X
5' B&B	X	X	X

TERMS AND CONDITIONS OF SALE

TERMS: Payment is due at time of pickup or delivery by cash, approved check or credit card—Visa or MasterCard. To establish Net 30 Day terms, a completed credit application must be submitted and approved prior to shipping. On accounts over 30 days, interest will be charged at the rate of 1.5% per month, amounting to 18% per annum.

ORDERS: We will call you upon digging your order. All orders must be shipped or picked up within 5 days after digging.

SHIPPING: We work with several experienced tree carriers in our area. We will be happy to arrange for the shipping of your order. Trucking firms generally require payment upon delivery. All goods travel at the purchaser's risk and expense.

WARRANTY: We warranty our trees to be true to name as described. The purchaser assumes all risks and responsibilities of planting, growth and life of purchased stock.

WILL CALL ORDERS: Please see that your truck has adequate tarps, blocks and ropes to protect your trees. In order to serve you better and schedule our shipping properly, please phone us 24 hours in advance of pickup and allow sufficient time to complete loading by 4:00 PM. We are not responsible for the condition of your trees that are not picked up within 5 days of notification that your order is ready.

SALES TAX: The State of Iowa requires us to have a certificate of resale on fill. Otherwise a 7% sales tax will be charged.

DESCRIPTIONS: The brief descriptions given are to help you in selecting trees. Use them as a guide. They are our observations of these trees under our growing conditions.

PRICES: Catalog prices are wholesale, field direct. Prices are good for the fall 2010 and spring 2011 digging seasons.

HOLDING YARD TREES & PRICING: We will again have a good selection of trees aboveground for your summer planting needs. Trees purchased from the holding yard will have a \$10.00 per tree handling and maintenance fee added to the catalog price. The \$10.00 fee will be waived on orders of 10 or more trees picked up at the same time.

NOTES: This list cancels all previous lists. Prices are subject to change without notice. All orders are booked subject to prior sale, counts or crop conditions beyond our control. We are not responsible for any typographical errors.

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