

# CLASS I TREES

## Red Buckeye

### *Aesculus pavia*

Height: 20'

Spread: 20'

Hardiness: -20

A small tree with a rounded or shrubby habit. Lustrous dark green palmate leaves accent the red flowers in April and May. No appreciable fall color. Some tolerance for shade, drought and poor soils.

## Autumn Brilliance Serviceberry

### *Amelanchier x grandiflora*

#### 'Autumn Brilliance' (treeform)

Height: 20'

Spread: 15'

Hardiness: -30

Tree form of serviceberry with an upright spreading crown, white flowers and a reliable, bright red fall color. The fruit is edible. Tolerates some drought.

## Cumulus Allegheny Serviceberry

### *Amelanchier laevis*

#### 'Cumulus' (treeform)

Height: 25'

Spread: 20'

Hardiness: -30

A serviceberry with a distinct upright and oval tree habit, fleecy white flowers in spring and a yellowish to orange-scarlet fall color. Smooth gray bark.

## American Hornbeam

### *Carpinus caroliniana*

Height: 25'

Spread: 25'

Hardiness: -40

A small tree with an irregular spreading habit, with a rounded outline. Dark green leaves change to yellow, orange and scarlet in the fall. Smooth, gray, irregular twisting bark adds interest in winter. Will grow in heavy shade and wet soils.

## Pagoda Dogwood

### *Cornus alternifolia*

Height: 25'

Spread: 20'

Hardiness: -30

This small tree has a distinctive horizontal branching habit and will develop a flat-topped crown. Masses of creamy white flowers are produced in early summer. Blue/black clusters of fruit in late summer. Fall foliage is a mix of yellow, to red/purple.

## Kousa Dogwood

### *Cornus kousa*

Height: 25'

Spread: 20'

Hardiness: -20

A small tree, vase shaped in youth, forming a rounded habit with distinct horizontal layering of the branches and exfoliating bark with age. Creamy, white bracts, resembling flowers, in spring, dark green leaves that change to reddish purple in the fall.

C. 'Satomi'

Pink flowered selection. Very ornate with layered branches.

## Golden Glory Dogwood

### *Cornus mas 'Golden Glory'*

Height: 20 - 25'

Spread: 15'

Hardiness: -15

More upright and free flowering than species (Corneliancherry Dogwood). The tree takes on a mounded shape, like an inverted pear. Great show of yellow flowers in spring and later bright red fruit. Foliage is dark green and turns purple in fall. Excellent tree for contrast.

## Lavalle Hawthorn

### *Crataegus x lavalley*

Height: 25'

Spread: 20'

Hardiness: -40

A small, dense oval canopy tree with shiny dark green foliage turning to bronzy copper-red in the fall. Usually thornless or with small one inch thorns. Quite free of rust and very adaptable.

## Thicket Hawthorn

### 'Ohio Pioneer'

#### *Crataegus punctata*

##### var. *inermis*

Height: 20 - 30'

Spread: 25 - 35'

Hardiness: -20

Broad-rounded tree, low branching usually becoming wider than tall at maturity. Thornless variety with excellent vigor. Foliage is gray green, contrasted by abundant white flowers in spring and dark red fruits in September and October. Fruits are usually persistent adding interest in winter.

## Winterberry Euonymus

### *Euonymus bungeanus*

Height: 20'

Spread: 20'

Hardiness: -20

A small, rounded or shrubby tree with pendulous branches. Leaves are light green and flowers are yellow. A beautiful tree in fruit.

## European Euonymus

### *Euonymus europaeus*

Height: 15-30'

Spread: 10-20'

Hardiness: -30

A narrowly upright tree in youth broadening as it ages with a rounded outline when mature. Early leaf out with a flat dark green color turning from yellow to reddish purple in fall. Fruits ripen pink to red in September and are quite attractive.

## Korean Evodia

### *Evodia daniellii*

Height: 25 - 30'

Spread: 25 - 30'

Hardiness: -20

Interesting small tree with a rounded shape. Lustrous dark green foliage complemented by profuse white flowers borne on stalks in June and July. No major insect or disease problems. Great mix of structure and ornamental display for urban area.

## Golden Desert Ash

### *Fraxinus excelsior 'Aureafolia'*

Height: 20'

Spread: 18'

Hardiness: -15

Small rounded tree with bright yellow twigs and golden stems. Foliage emerges yellow and greens slowly through the spring and early summer turning back to gold in late summer. Beautiful specimen, great contrasting tree and attractive in winter.

## Leprachaun Ash

### *Fraxinus pennsylvanica 'Johnson'*

Height: 18'

Spread: 16'

Hardiness: -25

True dwarf of green ash. Compact tapered oval shape, rounding with maturity. Foliage is glossy dark green, turns yellow in fall. Excellent tree for restricted areas.

## Amur Maackia

### *Maackia amurensis*

Height: 25'

Spread: 25'

Hardiness: -25

A small round headed tree. Leaves emerge a silvery gray and gradually become dark green. Fragrant pale white flowers light the tree in July and August. Bark peels with maturity exposing a shiny amber to brown color, becoming curly in texture. Prefers moist, well drained soil, but is quite adaptable to environmental conditions.

## Merril Loebner Magnolia

### *Magnolia x loebneri 'Merrill'*

Height: 30'

Spread: 30'

Hardiness: -30

An upright habit becoming round with age. Leaves are thick and rigid, dark green and turn yellow in fall. Flowering peaks in April, where the tree resembles a white cloud covered with fragrant snowy blossoms. A vigorous grower and cherished landscape tree.

## Yulan Magnolia

### *Magnolia denudata*

Height: 35'

Spread: 30'

Hardiness: -30

Tree with spreading branches somewhat irregular, producing an informal outline. Leaves are thick and resilient turning yellow in fall. Flowers are fragrant, white and 4-6 inches wide, blooming in spring.

## Elizabeth Magnolia

### *Magnolia x 'Elizabeth'*

Height: 30-40'

Spread: 20'

Hardiness: -30

Compact oval tree, tall for a magnolia. Glossy green tough leaves and yellow flower (unique for magnolias), 6 inches wide and fragrant, bloom in spring before the leaves break.

### **Galaxy Magnolia**

#### ***Magnolia x 'Galaxy'***

Height: 20 - 25'

Spread: 15'

Hardiness: -20

A tree form magnolia with a strong central leader and pyramidal to oval shape. The foliage is lustrous green and flowers are large, 8 to 10 inches wide, blooming in spring on bare stems, pink outside and white inside. Good selection for a landscape or street where space is limited or confined.

### **Royal Star Magnolia**

#### ***Magnolia stellata 'Royal Star'***

Height: 20'

Spread: 15'

Hardiness: -30

A hardy, compact, rounded tree with deep green foliage and yellow fall color. The large fragrant flowers bloom in early spring, before the leaves break. An excellent ornamental tree for small sites in urban landscapes.

### **Flowering Crabapples**

#### ***Malus sp. (Red Flowers)***

Hardiness: -20 (-30)

##### *Malus 'Adams'*

Height: 20'

Spread: 20'

Dense and rounded symmetrical habit. Pink flowers, red persistent fruit.

##### American Masterpiece

##### *Malus 'Amazam'*

Height: 25'

Spread: 18 - 20'

Pyramidal habit. Bright red leaves emerge and mature to dark maroon. Brilliant red flowers change to unique pumpkin orange fruits in fall that persist through winter.

##### Klehm's Improved Crabapple

##### *Malus 'Bechtel'*

Height: 15 - 20'

Spread: 15 - 20'

Rounded form, dense dark green foliage, turning orange to orange red in fall. Large double pink flowers cover the tree in spring. Improved strain for disease resistance. Seldom fruits, very tidy tree.

##### Centurion Crabapple

##### *Malus 'Centzam'*

Height: 20'

Spread: 15'

Narrow upright habit, spreading slightly with maturity. Purple emerging leaves changing to bronze-green. Rose-red flowers ripen to bright red fruits persisting through the winter.

##### Prairifire Crabapple

##### *Malus 'Prairifire'*

Height: 20'

Spread: 20'

Upright spreading habit becoming rounded. Reddish stems with foliage changing from purple to red hued green. Excellent color change from crimson buds to dark pink flowers to deep red fruits which persist through winter.

### **Flowering Crabapples**

#### ***Malus sp. (White Flowers)***

Hardiness: -20 (-30)

##### *Malus 'Adirondack'*

Height: 18'

Spread: 10'

Densely upright inverted cone shape. The cut of this cultivar combined with an overabundant white flowers in spring makes this a "standard" to which other flowering crabs are compared. Bright red fruits carry interest through winter.

##### Harvest Gold Crab

##### *Malus 'Hargozam'*

Height: 25'

Spread: 15'

Upright, moderately columnar habit. White flowers in spring are but a precursor to the golden fruits which adorn this tree through winter making it a show stopper in the landscape.

##### *Malus 'Professor Sprenger'*

Height: 20'

Spread: 20'

Stark upright habit makes for a larger more stately looking tree than other crabs. Red buds bloom white with pink tones ripening to orange-red fruits and endure on the noble frame through winter.

##### *Malus 'Sentinel'*

Height: 20'

Spread: 12'

Vase shaped, an unusual form for a crab makes its mark as an excellent street tree under power lines. Flowers are white with a touch of pink, fragrant, with bright red fruits that carry through the winter.

##### *Malus 'Spring Snow'*

Height: 25'

Spread: 20'

Dense and oval shaped, quite large for a flowering crab. Flowers are white and sterile, the tree is without fruit and is an excellent addition to the landscape where dropping fruits would be objectionable.

##### Sugar Tyme Crabapple

##### *Malus 'Sutyzam'*

Height: 18'

Spread: 15'

Upright spreading with a somewhat irregular oval outline. Great informal character, smothered in sweet white flowers in spring. Fruits are wine red and persist through winter.

##### Golden Raindrops Crabapple

##### *Malus transitoria 'Schmidtleaf'*

Height: 20'

Spread: 15'

Hardiness: -20

Upright vase shaped habit. Very unusual cherry, with a delicate appearance, slender branches are draped in uniquely cut glossy green leaves. An abundance of small white flowers ripen to tiny bright yellow fruits which hang like drops of rain from this elegant tree.

### **Persian Parrotia**

#### ***Parrotia persica***

Height: 20 - 30'

Spread: 15 - 25'

Hardiness: -20

Small single stemmed tree with upright to wide spreading branches, oval outline. Pink to purple emerging leaves blend to glossy green and turn a beautiful succession of yellow to orange to red in fall. An excellent selection for streets and landscapes, given size, color display and remarkable resistance to pests and disease.

### **Cascade Snow Cherry**

#### ***Prunus 'Berry'***

Height: 25'

Spread: 20'

Hardiness: -20

Upright spreading vase form. Large pure white flowers cover this tree in spring followed by glossy dark green foliage which turns yellowish to bronze-orange in fall. This cultivar has shown an increased resistance to diseases that affect other ornamental cherries.

### **Prairie Gem Pear**

#### ***Pyrus ussuriensis 'Mordak'***

Height: 25'

Spread: 20'

Hardiness: -30

Densely branched and compact tree with a round canopy. Leaves are bright green, thick and leathery turning golden yellow in fall. White flowers blanket the tree in early spring. Excellent pear for urban plantings.

### **Ivory Silk Lilac**

#### ***Syringa reticulata 'Ivory Silk'***

Height: 25'

Spread: 15'

Hardiness: -20

Tree form lilac, oval and compact with upward curving branches. Foliage is dark green, flowering when young. Displays large white flower clusters in early July. Excellent choice for beauty and adds variety to urban landscapes.

