



## *Quercus palustris*



<b>Common name</b>	Marsh Oak.
<b>Landscape value</b>	This popular, majestic tree with good autumn colour is most suitable for larger park and garden plantings. Often used for difficult sites as a stately street or avenue tree.
<b>Size</b>	Grows to about 15 x 8 metres at 20 years.
<b>Growth rate</b>	Moderate.
<b>Habit</b>	Ovate, with a strong central leader. Conical when young, with ascending upper branches and drooping lower branches. Eventually becoming a large tree.
<b>Foliage</b>	Lustrous, dark green leaves with five to seven deep, fine lobes. Deep red to bronze in late autumn, with an even more brilliant scarlet colour in cooler areas. Leaves often persist over winter. The winter buds are without a woolly covering which helps to distinguish this species from <i>Quercus coccinea</i> .
<b>Flowers</b>	Grey-green to tan male catkins; yellow-green to tan female flowers mature to light brown acorns. Blooms in late winter to early spring.
<b>Fruit</b>	Stout acorns around 12 mm long with a shallow, saucer-shaped cap.
<b>Bark</b>	Dark grey-brown, fissuring with age in flat, scaly ridges.
<b>Culture</b>	Very adaptable to a wide range of site conditions including both wet or dry, clay or sandy soils. Handles moderate drought, air-pollution and has good wind tolerance. Best in moist, well-drained, acid soils but may suffer iron related chlorosis in soils with a high pH. Prefers full sun. Has a shallow, fibrous root system when mature. Lower branches may require pruning for vehicular or pedestrian access.

ACER

RED MAPLE



## *Acer rubrum* 'Bowhall'



<b>Landscape value</b>	This is a compact narrow growing cultivar and is an excellent choice for use as a street tree or in gardens where lateral space is limited. This selection can exhibit excellent autumn colour, particularly in cooler regions.
<b>Size</b>	Grows to about 10 x 5 metres at 20 years.
<b>Growth rate</b>	Moderate.
<b>Habit</b>	Narrowly pyramidal, symmetrical.
<b>Foliage</b>	Mid- to dark green, three to five lobed leaves with lighter grey-green on the underside. Light red petioles with green underneath. Yellowish-red to orange in autumn.
<b>Flowers</b>	Female. Insignificant and borne before leaves emerge in spring.
<b>Fruit</b>	Samaras can sometimes be produced in late spring or early summer.
<b>Bark</b>	Thin, light to dark grey colour.
<b>Culture</b>	Avoid pruning in late winter and early spring. Adapts to a wide range of climatic and soil conditions including moderately wet sites. Will not tolerate excessively dry soils or coastal winds.





## *Malus ioensis*

### 'Plena'



<b>Landscape value</b>	Probably the most commonly planted of all crab apples, predominantly for its excellent spring floral display, this small growing tree also features very good autumn colour. The Bechtel Crab Apple is a good choice for small to medium landscapes or where space is limited.
<b>Size</b>	Grows to about 6 x 4.5 metres at 20 years.
<b>Growth rate</b>	Slow to moderate.
<b>Habit</b>	Broad spreading with a rounded crown. Slow growing in the early years.
<b>Foliage</b>	Green leaves with distinct, coarsely serrated margins. Rich dark red and orange in autumn.
<b>Flowers</b>	Masses of mildly fragrant, double flowers in groups of three to five in late spring. The outer petals of the buds are a soft, delicate pink and open to large, rose-like flowers with prominent yellow stamens. At full bloom the tree is a floral mass.
<b>Fruit</b>	A sparse quantity of small green crab apples.
<b>Bark</b>	Greyish-brown. Shiny, becoming scaly.
<b>Culture</b>	Prefers slightly acidic, well-drained soil in full sun to partial shade. Does not tolerate soils of high pH. Spray for apple scab if required.





## *Pistacia chinensis*

Other name	Pistachio.
Landscape value	A lovely small to medium-sized tree, grown predominantly for its graceful pinnate leaves that can produce stunning orange-red tones in autumn. Tough enough for use in difficult areas in streets and perhaps underutilised for parks, gardens and urban plantings.
Size	Grows to about 8 x 6 metres at 20 years.
Growth rate	Slow to moderate.
Habit	Rounded. Young trees tend to be narrow and spindly. Can eventually become quite a large tree.
Foliage	Dark green and glossy, pinnate leaves, usually with 10 or 12 leaflets. The autumn colour is a spectacular orange to reddish-orange. The leaves generally hold well into winter.
Flowers	Insignificant yellowish-green flowers in panicles in spring. Male and female flowers are produced on separate plants (dioecious).
Fruit	Small blue to red drupes to 6 mm on female plants in autumn.
Bark	Greyish-brown and shallowly fissured, flaking to reveal pinkish-orange younger bark.
Culture	Prefers a moist, fertile, well-drained soil and will grow in full sun or part-shade. Good for warmer climates. Very tolerant of dry and sandy conditions, urban stresses and pruning. Generally pest and disease free. Seedling grown, so can be variable in form and autumn colour.



# MANCHURIAN PEAR

# PYRUS



## *Pyrus ussuriensis*

<b>Landscape value</b>	A medium-sized tree that flowers very early in spring and has bright autumn leaf colour that is held well into the season. Suitable for many landscapes, including parks and large gardens. Is steadily being superseded by new introductions of ornamental pear that are superior in growth habit, structural stability and form.
<b>Size</b>	Grows to about 9 x 7 metres at 20 years.
<b>Growth rate</b>	Moderate.
<b>Habit</b>	Dense, rounded. Pyramidal when young.
<b>Foliage</b>	Glossy, dark green, rounded leaves turning to varying autumn tones of plum-red, scarlet and gold. Foliage is held on the tree well into late autumn.
<b>Flowers</b>	White flowers to 3 cm across in early spring are pale pink in bud. One of the first ornamental pears to flower in spring.
<b>Fruit</b>	Inedible, greenish-yellow, globose pomes up to 3 cm in diameter.
<b>Bark</b>	The young branches are purplish-brown.
<b>Culture</b>	Adaptable to a variety of conditions including moderate drought, air-pollution and exposure. May struggle in very warm regions and in compacted soils. Best in full sun.

