



Quercus ×macdanielii HERITAGE ('Clemons')



Height	15 - 25 m
Width	15-20m
Crown	broad pyramidal, half-open crown
Bark and branches	bark grey, grooves forming rectangular, flat plates
Leaf	obovate to elongated-obovate, lobed, glossy dark green, 6 - 15 cm
Autumn colour	yellow
Flowers	yellow-green catkins, May
Fruits	broad ovoid, 1.8 - 3 cm, cupule with short contiguous scales
Spines/thorns	None
Toxicity	usually not toxic to people, (large) pets and livestock
Soil type	preferably on calcareous, fertile soil
Paving	tolerates no paving
Winter hardiness zone	4 (-34,4 to -28,9 °C)
Wind resistance	good
Other resistances	resistant to frost (WH 1 - 6), can withstand wind, resistant to de-icing salt
Application	avenues and broad streets, industrial areas
Shape	clearstem tree
Origin	Earl Cully Nursery, Jacksonville, IL, USA, 1998
Synonyms	Quercus robur 'Heritage'

Hybrid between *Q. macrocarpa* and *Q. robur* which was found as a spontaneous seedling. It is a relatively vigorous large tree with a broad pyramidal crown. Eventually the tree can grow to over 20 m tall with a spread of around 15 m. Hardly any or no cork is produced on older twigs and bark: the bark's grooves form rectangular plates. The obovate to elongated-obovate leaf is regularly shallow lobed with triangular lobes that have rounded tips. The leaf is glossy green, 6 to 15 cm long. The ovoid fruit are 1.8 to 3 cm in size. It is half enclosed by the cupule that is covered with short, slightly silver-coloured, contiguous scales. A particularly hardy and wind-resistant, imposing park tree.