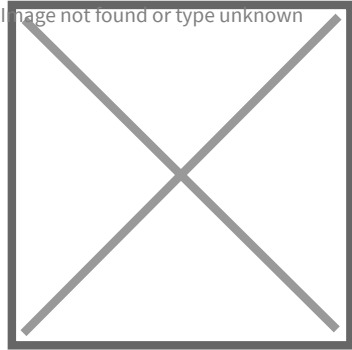




Quercus x macdanielii HERITAGE ('Clemons')



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.