



Fagus grandifolia var. caroliniana



Height	20-25 (35) m
Width	15-20m
Crown	round/spherical, dark, dense crown
Bark and branches	silvergrey
Leaf	green
Autumn colour	yellow
Flowers	yellowgreen, flowers in May
Fruits	brown
Spines/thorns	None
Toxicity	usually not toxic to people, (large) pets and livestock
Soil type	loamy soil, sandy soil, peaty soil
Paving	tolerates no paving
Winter hardiness zone	4 (-34,4 to -28,9 °C)
Wind resistance	moderate to poor
Other resistances	resistant to frost (WH 1 - 6)
Shape	clearstem tree, feathered tree

This geographic variety of the American beech closely resembles the *F. grandifolia* species. As well as the distribution zone - more southerly than typical for the species - there are a number of differences. With this variety, the leaf margins are not as deeply serrated and the leaf tips are more slender. The leaf underside sometimes has a greyish frosted appearance. The cupules are covered with brush-like spines, but these are shorter. The tree has shallow roots and thrives on richer, loamy soil with a high humus content. Like *F. grandifolia*, the bark is smooth, silver grey and susceptible to sunburn. Rather sensitive to wind.