



## Fagus grandifolia var. caroliniana



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