



Fagus grandifolia var. caroliniana



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| 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.