



Carpinus betulus 'Lucas'



Height	10 m
Crown	narrow pyramidal to narrow ovoid, dark, dense crown
Bark and branches	dark grey, smooth: twigs brownish grey
Leaf	ovate, dark green, 8 - 12 cm
Autumn colour	yellow
Flowers	green catkins, April/May
Fruits	in separate fruiting catkins, first green, later brown
Spines/thorns	None
Toxicity	usually not toxic to people, (large) pets and livestock
Soil type	few soil requirements, preference for loamy ground
Soil moisture	suitable for dry soil, suitable for wet soil
Paving	tolerates paving
Winter hardiness zone	5a (-28,8 to -26,1 °C)
Wind resistance	very good
Other resistances	resistant to frost (WH 1 - 6), can withstand wind
Application	avenues and broad streets, narrow streets, parks, squares, tree containers, cemeteries, roof gardens, industrial areas, large gardens
Shape	clearstem tree, feathered tree
Origin	Louis Houtmeyers Boomkwekerijen, Eindhout Laakdaal, Belgium, 2003

Medium-size tree with a compact, narrow pyramidal crown that becomes narrow ovoid when mature. In crown form it is comparable to 'Frans Fontaine', but with somewhat thicker twigs. The leaf is also somewhat bigger and a darker green than in other cultivars, and in autumn it turns brownish yellow to golden yellow. In the winter months, the withered leaf remains on the tree for a very long time, as also happens with *Fagus sylvatica*. Root growth is relatively close to the surface. The rotted leaves are good soil improvers. Very suitable for use in (narrow) streets and housing estates, but the slender shape can also have architectural value in gardens and parks.