



Quercus dentata



Height	8 - 15 (30) m
Width	10-15m
Crown	spherical, half-open crown, capricious growing
Bark and branches	dark grey, rough, later with deep grooves, young twigs grey
Leaf	obovate, rough shallow lobes, dark green, 15 -30 cm
Autumn colour	yellow
Flowers	gold coloured catkins, 6 - 8 cm long, May
Fruits	acorns, ovoid to round, up to 2 cm, in bundles
Spines/thorns	None
Toxicity	usually not toxic to people, (large) pets and livestock
Soil type	well drained
Soil moisture	suitable for wet soil
Paving	tolerates no paving
Winter hardiness zone	6a (-23,3 to -20,6 °C)
Wind resistance	good
Other resistances	resistant to frost (WH 1 - 6), can withstand wind, resistant to de-icing salt
Application	industrial areas
Shape	clearstem tree, multi-stem treem
Origin	Japan, Korea, Northern and Western China

Grows to approx. 30 m in its original habitat but in Europe only to approx. 15 m. The crown is round: like the heavy main branches the trunk is rough and dark grey, later with deep grooves. The thick twigs, hairy at first but later bare, are a remarkable feature. The leaves are remarkably large, 15 - 30 cm long – even up to 50 cm on young shoots. Width 9 - 14 cm: young leaves up to 30 cm. The edge is shallow-lobed to undulating. The upper side is matt dark green, the underside lighter green with velvety hairs. Young leaves are completely covered with hairs. The acorns are in small bundles, are 2 cm in size and half enclosed by the cupule. The cupules are covered with long narrow scales that project or are bent backwards. The tree bears fruit from a young age.