Quercus dentata

Height: 8 - 15 (30) m

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.