



# Quercus castaneifolia 'Green Spire'



<b>Height</b>	20 - 30 m
<b>Crown</b>	broad columnar to ovoid, dark, dense crown
<b>Bark and branches</b>	brownish-grey, deeply grooved, young twigs covered with grey felt-like hairs
<b>Leaf</b>	elongated elliptical to lanceolate, with large serrations, 7 - 16 cm
<b>Flowers</b>	gold coloured catkins, 7 - 10 cm long, May
<b>Fruits</b>	2 - 3 cm, single or in pairs
<b>Spines/thorns</b>	None
<b>Toxicity</b>	usually not toxic to people, (large) pets and livestock
<b>Soil type</b>	preferably calcareous, not too moist
<b>Paving</b>	tolerates partial paving
<b>Winter hardiness zone</b>	7a (-17,7 to -15,0 °C)
<b>Wind resistance</b>	good
<b>Other resistances</b>	can withstand wind, resistant to de-icing salt
<b>Application</b>	parks, squares, cemeteries, industrial areas, large gardens
<b>Shape</b>	clearstem tree
<b>Origin</b>	Hillier Nurseries, Romsey, England, circa 1948

A fast-growing tree with a closed crown that makes it look squat. Young twigs are covered with grey felt-like hairs but later become smooth and bare. The leaves closely resemble those of Castanea. They are elongated elliptical to lanceolate, 7 - 16 cm long and 3 - 7 cm wide. The leaf edge has large, sharp, pointed serrations. The upper side of the leaves is glossy dark green, the underside grey and covered in felt-like hairs. Young shoots are brownish-violet in colour. The acorns, 2-3 cm in size, are elongated ovoid and grow singly or in pairs. They are more than half enclosed by a semi-circular cupule that has sturdy, backward-bending scales covered with grey hairs. The tree prefers a warm and sunny site and calcareous soil that is not too moist.