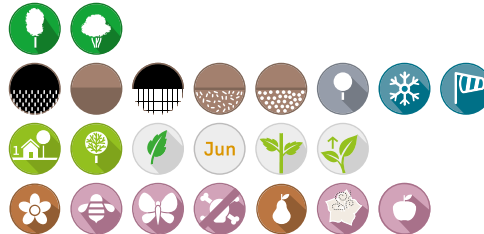




## Castanea sativa



|                              |                                                                             |
|------------------------------|-----------------------------------------------------------------------------|
| <b>Height</b>                | 20 - 30 m                                                                   |
| <b>Width</b>                 | 20-25m                                                                      |
| <b>Crown</b>                 | round, irregular, dark, dense crown                                         |
| <b>Bark and branches</b>     | (grey-)brown, later with deep longitudinal grooves                          |
| <b>Leaf</b>                  | elongated, glossy dark green, serrated, 10 - 25 cm                          |
| <b>Flowers</b>               | in cream-coloured catkins, 8-13 cm long, June/July, fragrant flowers        |
| <b>Fruits</b>                | spiky husk with 2 - 3 nuts (chestnuts), edible fruits                       |
| <b>Spines/thorns</b>         | None                                                                        |
| <b>Toxicity</b>              | usually not toxic to people, (large) pets and livestock                     |
| <b>Soil type</b>             | light, nutritious, humic soil                                               |
| <b>Paving</b>                | tolerates no paving                                                         |
| <b>Winter hardiness zone</b> | 6a (-23,3 to -20,6 °C)                                                      |
| <b>Wind resistance</b>       | good                                                                        |
| <b>Other resistances</b>     | resistant to frost (WH 1 - 6), can withstand wind                           |
| <b>Fauna tree</b>            | resistant to frost (WH 1 - 6), can withstand wind, valuable for butterflies |
| <b>Shape</b>                 | clearstem tree, multi-stem treem                                            |
| <b>Origin</b>                | Southeastern Europe                                                         |

Large tree with an irregular crown, occurring naturally on cool, somewhat humid mountainsides in Southern and Central Europe, North Africa and parts of Asia. The crown can grow to 25 m wide. The heavy, squat, dark grey trunk twists on its axis taking the deep grooves in the bark with it. Young branches are olive-green but quickly turn reddish-brown. The elongated leaf is dark green and glossy and has a clearly serrated edge. Young leaves carry velvety hairs on the underside. It is a monoecious tree with white, fragrant male flowers occurring in bundles in ears up to 13 cm long. The female flowers are small and green and are not remarkable. The fruit is edible. The tree puts down a deep and widespread root system. *Castanea sativa* is an important producer of timber.