

# *Aesculus hippocastanum*

## Habitus and growth type

Plant height [m]: **22.39**

Life span: **Perennial**

Life form: **Phanerophyte, Tree**

## Leaf

Leaf type (woody plants only): **Broad deciduous or semi-deciduous**

Leaf phenology (woody plants only): **Winter deciduous**

Specific leaf area [mm<sup>2</sup>/mg]: **13.7**

## Flower

Flowering period: **March-May**

## Fruit, seed and dispersal

Seed mass [mg]: **10342.33**

Dispersal mode: **Dyszoochory, Anthropochory**

Dispersal distance class: **6, 7**

## Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

## Taxon origin

Origin in Europe: **Native**

## Ecology

Environmental relationships

Substrate humidity relationship: **Mesic**

Substrate reaction relationship: **Slightly acidic to near-neutral**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **5.4**

Temperature indicator value: **6.4**

Moisture indicator value: **5.5**

Reaction indicator value: **5.8**

Nutrient indicator value: **6.6**

Salinity indicator value: **0**

## Disturbance indicator values

Disturbance frequency: **0.08**

Disturbance frequency (herb layer): **1.38**

Disturbance severity: **0.7**

Disturbance severity (herb layer): **0.21**

Mowing frequency: **0.03**

Grazing pressure: **0.19**

Soil disturbance: **0.13**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CB \(PUB\) Quercetea pubescentis](#)

### Broad habitat

Occurrence in broad habitats: **Forest**

## Distribution

Continentality: **6**

Continentality amplitude: **2**