

# *Populus tremula*

## Habitus and growth type

Plant height [m]: **20.5**

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]: **17.62**

## Flower

Flowering period: **February-May**

## Fruit, seed and dispersal

Seed mass [mg]: **0.11**

Dispersal mode: **Anemochory**

Dispersal distance class: **5**

## 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: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.7**

Temperature indicator value: **5.2**

Moisture indicator value: **5.3**

Reaction indicator value: **5**

Nutrient indicator value: **4.8**

Salinity indicator value: **0**

## Disturbance indicator values

Disturbance frequency: **0.12**

Disturbance frequency (herb layer): **1.36**

Disturbance severity: **0.67**

Disturbance severity (herb layer): **0.18**

Mowing frequency: **0.04**

Grazing pressure: **0.2**

Soil disturbance: **0.14**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: **BB (ASA) *Asaro europaei-Abietetea sibiricae***, **CA (FAG) *Carpino-Fagetea sylvaticae***, **CE (LON) *Lonicero-Rubetea plicati***

### EUNIS habitat

Diagnostic species of EUNIS habitats: **[T1D Southern European mountain Betula and Populus tremula forest on mineral soils](#)**

Constant species of EUNIS habitats: **[N1D Atlantic and Baltic broad-leaved coastal dune forest](#)**, **[S38 Temperate forest clearing scrub](#)**, **[T16 Broadleaved mire forest on acid peat](#)**, **[T1C Temperate and boreal mountain Betula and Populus tremula forest on mineral soils](#)**, **[T1D Southern European mountain Betula and Populus tremula forest on mineral soils](#)**, **[T1E Carpinus and Quercus mesic deciduous forest](#)**, **[T35 Temperate continental Pinus sylvestris forest](#)**, **[T3F Dark taiga](#)**, **[T3G Pinus sylvestris light taiga](#)**, **[T3H Larix light taiga](#)**

Dominant species of EUNIS habitats: **[T1D Southern European mountain Betula and Populus tremula forest on mineral soils](#)**

### Broad habitat

Occurrence in broad habitats: **Scrub, Forest**

## Distribution

Continentality amplitude: **7**