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^2/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**

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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: **S38 Temperate forest clearing scrub**, **T1D Southern European mountain Betula and Populus tremula forest on mineral soils**, **T3F Dark taiga**
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: **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**

Broad habitat

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

Distribution

Continentality amplitude: **7**

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