Betula pendula

Habitus and growth type

Plant height [m]: **21.53**
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]: **25.63**

Flower

Flowering period: **March-May**

Fruit, seed and dispersal

Seed mass [mg]: **0.49**
Dispersal mode: **Anemochory, Anthropochory**
Dispersal distance class: **4, 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: **Acidic**
Nutrient relationship: **Oligotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.2**
Temperature indicator value: **5**
Reaction indicator value: **3.8**
Nutrient indicator value: **3.4**
Salinity indicator value: **0.1**

Disturbance indicator values

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Disturbance frequency: **0.14**
Disturbance frequency (herb layer): **1.34**
Disturbance severity: **0.68**
Disturbance severity (herb layer): **0.18**
Mowing frequency: **0.04**
Grazing pressure: **0.2**
Soil disturbance: **0.17**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: **N1F Baltic coniferous coastal dune forest**, **S38 Temperate forest clearing scrub**, **T16 Broadleaved mire forest on acid peat**, **T1B Acidophilous Quercus forest**, **T1D Southern European mountain Betula and Populus tremula forest on mineral soils**, **T35 Temperate continental Pinus sylvestris forest**, **T3G Pinus sylvestris light taiga**, **T3H Larix light taiga**, **T3M Coniferous plantation of non site-native trees**

Constant species of EUNIS habitats: **N1D Atlantic and Baltic broad-leaved coastal dune forest**, **N1F Baltic coniferous coastal dune forest**, **R57 Herbaceous forest clearing vegetation**, **S38 Temperate forest clearing scrub**, **S42 Dry heath**, **T16 Broadleaved mire forest on acid peat**, **T18 Fagus forest on acid soils**, **T1B Acidophilous Quercus forest**, **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**, **T3J Pinus and Larix mire forest**, **T3M Coniferous plantation of non site-native trees**

Dominant 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**, **T1D Southern European mountain Betula and Populus tremula forest on mineral soils**

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Heathland, Scrub, Forest, Sparsely vegetated (incl. rock and scree), Synanthropic**

Distribution

Continentality amplitude: **7**

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