

# *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<sup>2</sup>/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

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