

# *Betula nana*

## Habitus and growth type

Plant height [m]: **0.59**

Life span: **Perennial**

Life form: **Phanerophyte, Shrub**

## 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]: **12.98**

## Flower

Flowering period: **March-May**

## Fruit, seed and dispersal

Seed mass [mg]: **0.28**

Dispersal mode: **Dyszoochory**

Dispersal distance class: **6**

## 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: **Wet**

Substrate reaction relationship: **Acidic**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.7**

Temperature indicator value: **3.2**

Moisture indicator value: **8.3**

Reaction indicator value: **1.2**

Nutrient indicator value: **1.7**

Salinity indicator value: **0**

## Disturbance indicator values

Disturbance frequency: **0.72**

Disturbance frequency (herb layer): **1.48**

Disturbance severity: **0.31**

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

Mowing frequency: **0.05**

Grazing pressure: **0.21**

Soil disturbance: **0.14**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [AC \(LOI\) \*Loiseleurio procumbentis-Vaccinietea\*](#), [PB \(OXY\) \*Oxycocco-Sphagnetea\*](#), [QH \(ARC\) \*Matricario-Poetea arcticae\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [Q31 Palsa mire](#), [S11 Shrub tundra](#), [S12 Moss and lichen tundra](#), [T3J Pinus and Larix mire forest](#), [U25 Boreal and Arctic base-rich scree and block field](#)

Constant species of EUNIS habitats: [Q11 Raised bog](#), [Q31 Palsa mire](#), [Q45 Arctic-alpine rich fen](#), [S11 Shrub tundra](#), [S12 Moss and lichen tundra](#), [T3J Pinus and Larix mire forest](#), [U25 Boreal and Arctic base-rich scree and block field](#), [U52 Polar desert](#)

Dominant species of EUNIS habitats: [S11 Shrub tundra](#)

### Broad habitat

Occurrence in broad habitats: **Spring, Mire, Alpine-subalpine and arctic grassland, Heathland, Forest, Sparsely vegetated (incl. rock and scree), Synanthropic**

## Distribution

Continentality: 7

Continentality amplitude: 5