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^2/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**

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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**

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