Alnus viridis

Habitus and growth type

Plant height [m]: **2.85**
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]: **21.41**

Flower

Flowering period: **April-June**

Fruit, seed and dispersal

Seed mass [mg]: **4.71**
Dispersal mode: **Dyszoochory**
Dispersal distance class: **6**

Trophic mode

Parasitism and mycoheterotrophy: **autotroph**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **symbiosis with frankia**

Taxon origin

Origin in Europe: **Native**

Ecology

Environmental relationships

Substrate humidity relationship: **Mesic**
Substrate reaction relationship: **Slightly acidic to near-neutral**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.3**
Temperature indicator value: **3**
Moisture indicator value: **6.1**
Reaction indicator value: **4.7**
Nutrient indicator value: **5.9**
Salinity indicator value: **0**

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Disturbance indicator values

Disturbance frequency: **0.23**
Disturbance frequency (herb layer): **0.96**
Disturbance severity: **0.58**
Disturbance severity (herb layer): **0.14**
Mowing frequency: **0.01**
Grazing pressure: **0.16**
Soil disturbance: **0.07**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: **S25 Subalpine and subarctic deciduous scrub**
Constant species of EUNIS habitats: **S25 Subalpine and subarctic deciduous scrub**
Dominant species of EUNIS habitats: **S25 Subalpine and subarctic deciduous scrub**

Broad habitat

Occurrence in broad habitats: **Alpine-subalpine and arctic grassland, Scrub, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality: **5**
Continentality amplitude: **3**

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