Valeriana dioica

Habitus and growth type

Plant height [m]: **0.33**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **30.3**

Flower

Flowering period: **April-July**

Fruit, seed and dispersal

Seed mass [mg]: **0.63**
Dispersal mode: **Local non-specific dispersal**
Dispersal distance class: **2**

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: **Slightly acidic to near-neutral**
Nutrient relationship: **Oligotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.5**
Moisture indicator value: **8.5**
Reaction indicator value: **5.7**
Nutrient indicator value: **2.4**
Salinity indicator value: **0.1**

Disturbance indicator values

Disturbance frequency: **0.88**
Disturbance frequency (herb layer): **1.67**

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Disturbance severity: **0.45**
Disturbance severity (herb layer): **0.37**
Mowing frequency: **0.53**
Grazing pressure: **0.17**
Soil disturbance: **0.12**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **CM (MOL) *Molinio-Arrhenatheretea*, IA (ALN) *Alnetea glutinosae*, PA (SCH) *Scheuchzerio palustris-Caricetea fuscae***

EUNIS habitat

Diagnostic species of EUNIS habitats: **Q41 Alkaline, calcareous, carbonate-rich small-sedge spring fen, Q42 Extremely rich moss-sedge fen, Q43 Tall-sedge base-rich fen, Q46 Carpathian travertine fen with halophytes**
Constant species of EUNIS habitats: **Q24 Intermediate fen and soft-water spring mire, Q41 Alkaline, calcareous, carbonate-rich small-sedge spring fen, Q42 Extremely rich moss-sedge fen, Q43 Tall-sedge base-rich fen, Q46 Carpathian travertine fen with halophytes, R35 Moist or wet mesotrophic to eutrophic hay meadow, R37 Temperate and boreal moist or wet oligotrophic grassland**

Broad habitat

Occurrence in broad habitats: **Aquatic, Spring, Mire, Grassland (non-alpine, non-saline), Forest**

Distribution

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

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