

Valeriana dioica

Habitus and growth type

Plant height [m]: **0.33**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/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**

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**