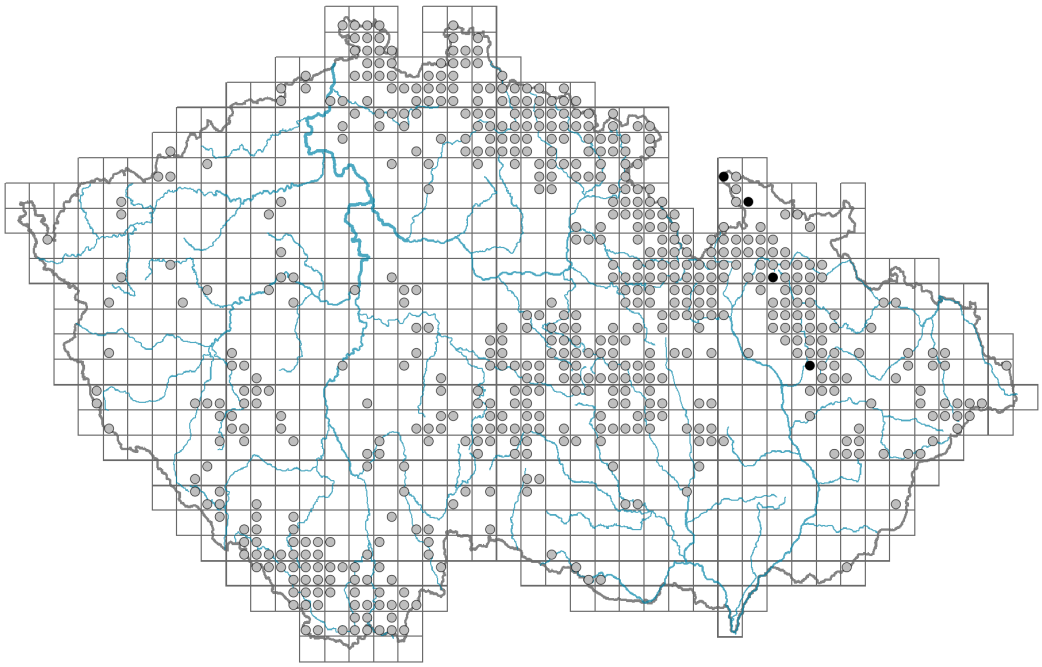
Valeriana excelsa subsp. *sambucifolia*

Distribution





Map info

revised records

unrevised records

On the map are not visualized records without the coordinates and records marked as incorrect or doubtful.







Habitus and growth type

Height [m]: **0.4–0.9**
Life form: **hemicryptophyte**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **opposite**
Leaf shape: **compound – imparipinnate**
Stipules: **absent**
Petiole: **present**

Flower

Flowering period [month]: **May–June**
Flower colour: **white, pink**
Flower symmetry: **zygomorphic**
Perianth type: **calyx reduced, corolla present**
Perianth fusion: **fused**
Shape of the sympetalous corolla or syntepalous perianth: **funnel-shaped, tubular**
Calyx fusion: **synsepalous**
Inflorescence type: **panicula e dichasiis composita**

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Fruit, seed and dispersal



Fruit type: **dry fruit – achene/cypsela/samara**
Dispersal unit (diaspore): **fruit, infrutescence or its part**
Dispersal strategy: **Epilobium (mainly anemochory and autochory)**
Myrmecochory: **non-myrmecochorous (b)**

Belowground organs and clonality



Type of clonal growth organ: **hypogeogenous rhizome**
Freely dispersible organs of clonal growth: **absent**
Shoot life span (cyclicity): **dicyclic or polycyclic shoots prevailing**
Branching type of stem-derived organs of clonal growth: **sympodial**
Primary root: **absent**
Persistence of the clonal growth organ [year]: **2**
Number of clonal offspring: **1**
Lateral spreading distance by clonal growth [m]: **0.13**
Clonal index: **4**

Bud bank



Number of buds per shoot at the soil surface (root buds excluded): **5**
Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **5**
Number of buds per shoot at a depth greater than 10 cm (root buds excluded): **0**
Size of the belowground bud bank (root buds excluded): **10**
Depth of the belowground bud bank (root buds exluded) [cm]: **3**
Number of buds per shoot at the soil surface (root buds included): **5**
Number of buds per shoot at a depth of 0–10 cm (root buds included): **5**
Number of buds per shoot at a depth greater than 10 cm (root buds included): **0**
Size of the belowground bud bank (root buds included): **10**
Depth of the belowground bud bank (root buds included) [cm]: **3**

Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **6 – transition between values 5 and 7; rarely at less than 20% of diffuse radiation incident in an open area**
Temperature indicator value: **5 – moderate heat indicator, occurring from lowland to montane belt, mainly in submontane-temperate areas**
Moisture indicator value: **8 – transition between values 7 and 9**
Reaction indicator value: **6 – transition between values 5 and 7**

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Nutrient indicator value: **7 – occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites**
Salinity indicator value: **0 – not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.61**
Herb layer disturbance frequency indicator value: **-0.73**
Whole-community disturbance severity indicator value: **0.28**
Herb layer disturbance severity indicator value: **0.22**
Whole-community structure based disturbance indicator value: **0.24**
Herb layer structure-based disturbance indicator value: **0.29**

Habitat and sociology

Affinity to the forest environment

Affinity to the forest environment in Mesophyticum and Oreophyticum: **2.1 – taxon occurring both in the forest and open vegetation**

Diagnostic taxon

Diagnostic taxon of alliances: **ADD *Adenostylion alliariae***
Diagnostic taxon of associations: **ADD03 *Trollio altissimi-Geranietum sylvatici*, ADD04 *Laserpitio archangelicae-Dactylidetum glomeratae*, ADD05 *Chaerophyllo hirsuti-Cicerbitetum alpinae*, LBA01 *Alnetum incanae***

Constant taxon

Constant taxon of associations: **ADD03 *Trollio altissimi-Geranietum sylvatici***

Ecological specialization indices

Ecological specialization index for all vegetation types: **5**
Ecological specialization index for non-forest vegetation: **4.7**
Ecological specialization index for forest vegetation: **5.5**

Distribution and frequency

Continentality degree: **5**
Distribution range extension along the continentality gradient: **3**
Elevational belt in the Czech Republic: **colline belt, submontane belt, montane belt, subalpine belt**
Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 302
taxon.data.freq_in_quad: 600

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.4 %**
Occurrence frequency in vegetation plots with a cover above 5%: **11.6 %**
Occurrence frequency in vegetation plots with a cover above 25%: **2.3 %**
Occurrence frequency in vegetation plots with a cover above 50%: **0 %**
Mean percentage cover in vegetation plots: **3.8 %**
Maximum percentage cover in vegetation plots: **38 %**

Threats and protection

Red List 2017 (national categories): **C4a – near threatened taxon**

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Red List 2017 (IUCN categories): **LC – least concern**
Legal protection: **not protected by law**

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