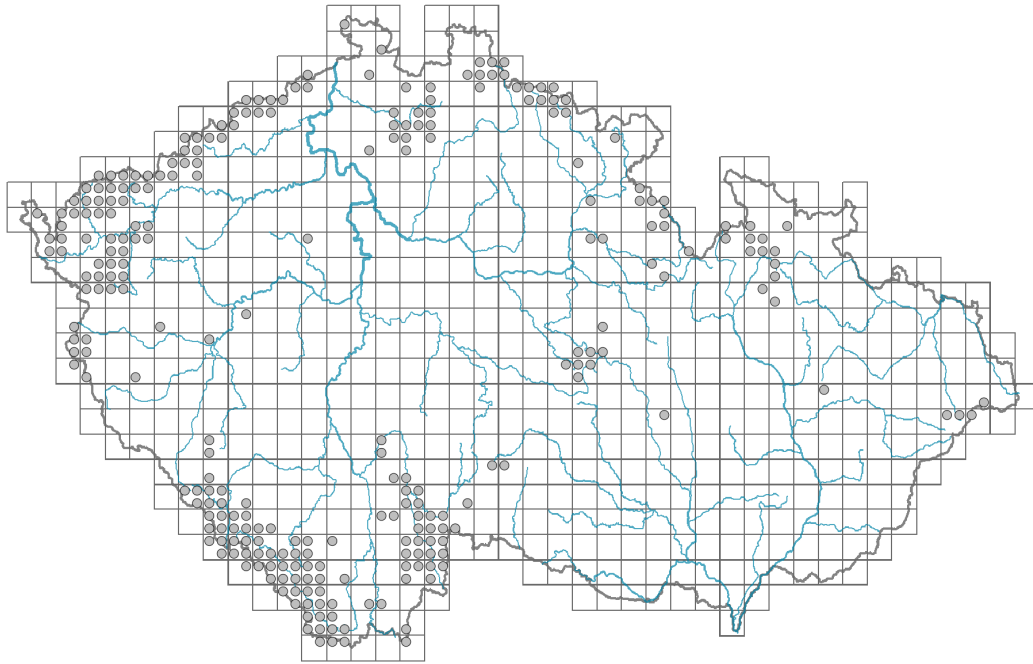


Vaccinium uliginosum

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]: **0.15-0.5**

Growth form: **dwarf shrub**

Life form: **chamaephyte**

Life strategy: **CS - competitor/stress-tolerator**

Life strategy (Pierce method based on leaf traits): **S/SR**

Life strategy (Pierce method, C-score): **10.7 %**

Life strategy (Pierce method, S-score): **63.6 %**

Life strategy (Pierce method, R-score): **25.7 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **present**

Leaf life span: **summer green**

Leaf deciduousness in woody plants: **winter deciduous**

Leaf anatomy: **mesomorphic**

Functional leaf type in woody plants: **broad deciduous or semi-deciduous**

Flower

Flowering period [month]: **May-June**

Flowering phase: **5 Sorbus aucuparia-Galium odoratum (end of mid-spring)**

Flower colour: **white**

Flower symmetry: **actinomorphic**

Perianth type: **calyx and corolla**

Perianth fusion: **fused**

Shape of the sympetalous corolla or syntepalous perianth: **urceolate**

Calyx fusion: **synsepalous**

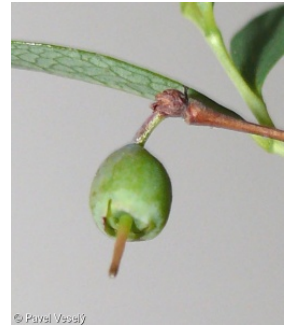
Inflorescence type: **flores solitarii**

Dicliny: **synoecious**

Generative reproduction type: **mixed mating**

Pollination syndrome: **insect-pollination, selfing**

Pollinator spectrum: **bumblebees, hoverflies (honeybee, solitary bees, other Hymenoptera, meat flies s. l., butterflies)**



Fruit, seed and dispersal

Fruit type: **fleshy fruit - berry**

Fruit colour: **blue**

Reproduction type: **by seed/spores and vegetatively**

Dispersal unit (diaspore): **seed, fruit, infructescence or its part**

Dispersal strategy: **Cornus (mainly autochory and endozoochory)**

Myrmecochory: **non-myrmecochorous (b)**



Belowground organs and clonality

Shoot metamorphosis: **stolon**

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]: **4**

Number of clonal offspring: **3.5**

Lateral spreading distance by clonal growth [m]: **0.24**

Clonal index: **5**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **9**

Number of buds per shoot at a depth of 0-10 cm (root buds excluded): **15**

Number of buds per shoot at a depth greater than 10 cm (root buds excluded): **4**

Size of the belowground bud bank (root buds excluded): **29**

Depth of the belowground bud bank (root buds excluded) [cm]: **5**

Number of buds per shoot at the soil surface (root buds included): **9**

Number of buds per shoot at a depth of 0-10 cm (root buds included): **15**

Number of buds per shoot at a depth greater than 10 cm (root buds included): **4**

Size of the belowground bud bank (root buds included): **29**

Depth of the belowground bud bank (root buds included) [cm]: 5

Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

Karyology

Chromosome number (2n): **48**

Ploidy level (x): **4**

2C genome size [Mbp]: **2533.02**

1Cx monoploid genome size [Mbp]: **633.25**

Genomic GC content: **40.2 %**

Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **6x - transition between values 5 and 7; rarely at less than 20% of diffuse radiation incident in an open area (generalist)**

Temperature indicator value: **4 - transition between values 3 and 5**

Moisture indicator value: **8x - transition between values 7 and 9 (generalist)**

Reaction indicator value: **1 - indicator of strong acidity, never occurring in slightly acidic to alkaline conditions**

Nutrient indicator value: **2 - transition between values 1 and 3**

Salinity indicator value: **0 - not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.89**

Herb layer disturbance frequency indicator value: **-1.7**

Whole-community disturbance severity indicator value: **0.1**

Herb layer disturbance severity indicator value: **0.08**

Whole-community structure based disturbance indicator value: **0.28**

Herb layer structure-based disturbance indicator value: **0.22**

Habitat and sociology

Occurrence in habitats

2 Alpine and subalpine grasslands

2A Alpine grasslands on siliceous bedrock: **1 - rare occurrence**

2B Subalpine tall-forb and tall-grass vegetation: **1 - rare occurrence**

3 Aquatic vegetation

3C Macrophytic vegetation of oligotrophic lakes and pools: **1 - rare occurrence**

5 Vegetation of springs and mires

5C Alpine and subalpine soft-water springs: **1 - rare occurrence**

5E Acidic moss-rich fens and peatland meadows: **1 - rare occurrence**

5F Transitional mires: **1 - rare occurrence**

5G Raised bogs: **3 - dominant**

5H Wet peat soils and bog hollows: **2 - optimum**

7 Acidophilous grasslands

7A Subalpine and montane acidophilous grasslands: **1 - rare occurrence**

7B Submontane *Nardus* grasslands: **1 - rare occurrence**

11 Heathlands and scrub

11A Dry lowland to subalpine heathlands: **2 - optimum**

11D Subalpine acidophilous *Pinus mugo* scrub: **2 - optimum**

11H Subalpine deciduous scrub: **1 - rare occurrence**

11I Willow carrs: **1 - rare occurrence**

11R Scrub and pioneer woodland of forests clearings: **1 - rare occurrence**

12 Forests

12A Alder carrs: **1 - rare occurrence**

12L Boreo-continental pine forests: **1 - rare occurrence**

12P Peatland pine forests: **4 - constant dominant**

12Q Peatland birch forests: **2 - optimum**

12R Acidophilous spruce forests: **2 - optimum**

12V Spruce plantations: **1 - rare occurrence**

12W Pine and larch plantations: **1 - rare occurrence**

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 classes: [RC *Oxycocco-Sphagnetea*](#)

Diagnostic taxon of alliances: [LFD *Vaccinio uliginosi-Pinion sylvestris*](#), [RCA *Sphagnion magellanic*](#), [RCB *Oxycocco palustris-Ericion tetralicis*](#), [RCC *Oxycocco microcarpi-Empetrion hermaphrodit*](#)

Diagnostic taxon of associations: [ADA01 *Sphagno compacti-Molinietum caeruleae*](#), [LFD01 *Vaccinio uliginosi-Betuletum pubescentis*](#), [LFD02 *Vaccinio uliginosi-Pinetum sylvestris*](#), [LFD03 *Vaccinio-Pinetum montanae*](#), [LFD04 *Vaccinio uliginosi-Piceetum abietis*](#), [RCA01 *Eriophoro vaginati-Sphagnetum recurvi*](#), [RCA02 *Andromedo polifoliae-Sphagnetum magellanic*](#), [RCA03 *Vaccinio uliginosi-Pinetum mugo*](#), [RCA04 *Sphagno-Pinetum sylvestris*](#), [RCA05 *Ledo palustris-Pinetum uncinatae*](#), [RCB01 *Trichophoro cespitosi-Sphagnetum papillo*](#), [RCC01 *Trichophoro cespitosi-Sphagnetum compacti*](#), [RCC02 *Empetro nigri-Sphagnetum fusc*](#)

Constant taxon

Constant taxon of classes: [RC *Oxycocco-Sphagnetea*](#)

Constant taxon of alliances: [LFD *Vaccinio uliginosi-Pinion sylvestris*](#), [RCA *Sphagnion magellanic*](#), [RCB *Oxycocco palustris-Ericion tetralicis*](#), [RCC *Oxycocco microcarpi-Empetrion hermaphrodit*](#)

Constant taxon of associations: [LFD02 *Vaccinio uliginosi-Pinetum sylvestris*](#), [LFD03 *Vaccinio-Pinetum montanae*](#), [LFD04 *Vaccinio uliginosi-Piceetum abietis*](#), [RCA01 *Eriophoro vaginati-Sphagnetum recurvi*](#), [RCA02 *Andromedo polifoliae-Sphagnetum magellanic*](#), [RCA03 *Vaccinio uliginosi-Pinetum mugo*](#), [RCA04 *Sphagno-Pinetum sylvestris*](#), [RCA05 *Ledo palustris-Pinetum uncinatae*](#), [RCB01 *Trichophoro cespitosi-Sphagnetum papillo*](#), [RCC01 *Trichophoro cespitosi-*](#)

Sphagnetum compacti*, *RCC02 Empetro nigri-Sphagnetum fusci

Dominant taxon

Dominant taxon of associations: [LFD02 *Vaccinio uliginosi-Pinetum sylvestris*](#), [LFD03 *Vaccinio-Pinetum montanae*](#), [LFD04 *Vaccinio uliginosi-Piceetum abietis*](#), [RCA02 *Andromeda polifoliae-Sphagnetum magellanicum*](#), [RCA03 *Vaccinio uliginosi-Pinetum mugo*](#), [RCA04 *Sphagno-Pinetum sylvestris*](#), [RCA05 *Ledo palustris-Pinetum uncinatae*](#), [RCC02 *Empetro nigri-Sphagnetum fusci*](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.9**Ecological specialization index for non-forest vegetation: **5.8**Ecological specialization index for forest vegetation: **6.8**

Colonization ability

Index of colonization success (ICS): **5**Index of colonization potential (ICP): **6**Optimum successional age [years]: **50****Distribution and frequency**Floristic zone: **arctic, boreal, northern temperate, southern temperate, submeridional**Floristic region: **circumpolar**Continentality degree: **6**Distribution range extension along the continentality gradient: **6**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: **137**taxon.data.freq_in_quad: **268**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **1.1 %**Occurrence frequency in vegetation plots with a cover above 5%: **36.9 %**Occurrence frequency in vegetation plots with a cover above 25%: **13 %**Occurrence frequency in vegetation plots with a cover above 50%: **3.5 %**Mean percentage cover in vegetation plots: **10.6 %**Maximum percentage cover in vegetation plots: **63 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **22**Number of narrow habitats in which the taxon has its optimum: **7**Number of broad habitats in which the taxon occurs: **6**Number of broad habitats in which the taxon has its optimum: **3****Threats and protection**Red List 2017 (national categories): **taxon is not on the Red List**Red List 2017 (IUCN categories): **LC(NA) - least concern (taxon is not on the Red List)**Legal protection: **not protected by law**