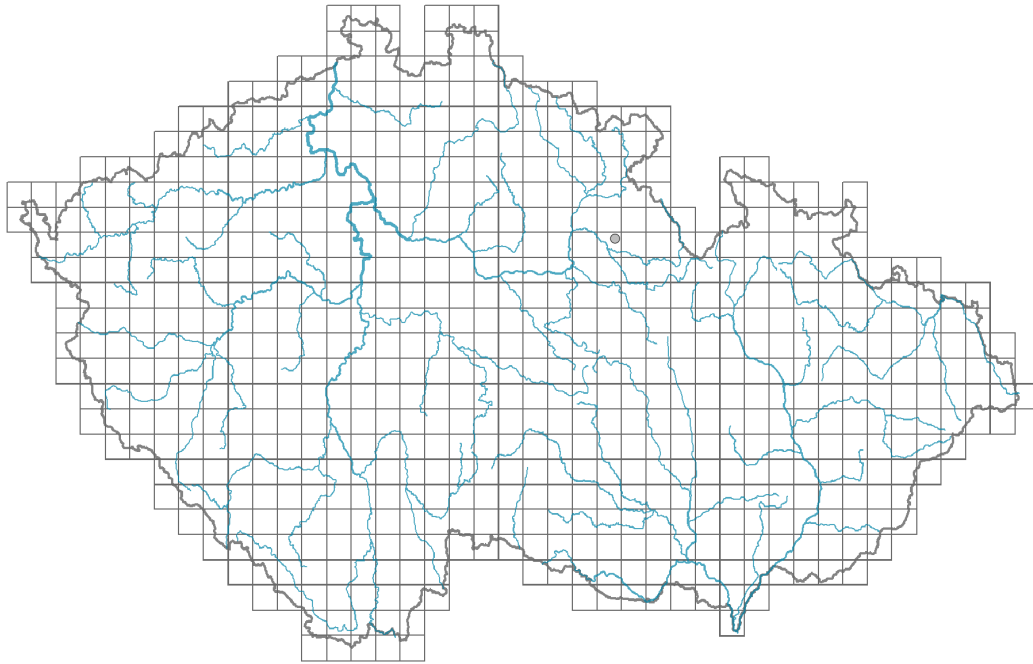


Vaccinium vitis-idaea subsp. *vitis-idaea*

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]: **0.1-0.3**

Growth form: **dwarf shrub**

Life form: **chamaephyte**

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

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

Life strategy (Pierce method, C-score): **4 %**

Life strategy (Pierce method, S-score): **96 %**

Life strategy (Pierce method, R-score): **0 %**

Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **present**

Leaf life span: **evergreen**

Leaf deciduousness in woody plants: **evergreen**

Leaf anatomy: **scleromorphic**

Functional leaf type in woody plants: **sclerophyllous**



Flower

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: **campanulate**

Calyx fusion: **synsepalous**

Inflorescence type: **racemus**

Dicliny: **synoecious**

Generative reproduction type: **mixed mating**

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

Pollinator spectrum: **honeybee, bumblebees, solitary bees, other Hymenoptera, hoverflies, other Diptera, butterflies**



Fruit, seed and dispersal

Fruit type: **fleshy fruit - berry**

Fruit colour: **red**

Reproduction type: **mostly vegetatively, rarely by seed/spores**

Dispersal unit (diaspore): **seed, fruit, infrutescence 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]: **3.2**

Number of clonal offspring: **0.5**

Lateral spreading distance by clonal growth [m]: **0.18**

Clonal index: **3**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **7**

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

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): **25**

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

Number of buds per shoot at the soil surface (root buds included): **7**

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

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): **25**

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): **24**

Ploidy level (x): **2**

2C genome size [Mbp]: **1949.65**

1Cx monoploid genome size [Mbp]: **974.82**

Genomic GC content: **41.8 %**

Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **5x - semi-shade plant, only exceptionally occurring in full light, but usually at more than 10% of the diffuse radiation incident in an open area (generalist)**

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

Moisture indicator value: **5 - indicator of fresh soils, focus on soils of average moisture, missing on wet and on soils that frequently dry out**

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

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: **-1.83**

Herb layer disturbance frequency indicator value: **-1.25**

Whole-community disturbance severity indicator value: **0.21**

Herb layer disturbance severity indicator value: **0.13**

Whole-community structure based disturbance indicator value: **0.16**

Herb layer structure-based disturbance indicator value: **0.15**

Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1B Siliceous cliffs and block fields: **1 - rare occurrence**

2 Alpine and subalpine grasslands

2A Alpine grasslands on siliceous bedrock: **2 - optimum**

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

5 Vegetation of springs and mires

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: **1 - rare occurrence**
- 6 Meadows and mesic pastures
- 6F Intermittently wet *Molinia* meadows: **1 - rare occurrence**
- 7 Acidophilous grasslands
- 7A Subalpine and montane acidophilous grasslands: **2 - optimum**
- 7B Submontane *Nardus* grasslands: **2 - optimum**
- 8 Dry grasslands
- 8F Thermophilous forest fringe vegetation: **1 - rare occurrence**
- 9 Sand grasslands and rock-outcrop vegetation
- 9B Open vegetation of acidic sands: **1 - rare occurrence**
- 11 Heathlands and scrub
- 11A Dry lowland to subalpine heathlands: **3 - dominant**
- 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**
- 12B Alluvial forests: **1 - rare occurrence**
- 12C Oak-hornbeam forests: **1 - rare occurrence**
- 12D Ravine forests: **1 - rare occurrence**
- 12G Acidophilous beech forests: **1 - rare occurrence**
- 12I Sub-continental thermophilous oak forests: **1 - rare occurrence**
- 12K Acidophilous oak forests: **2 - optimum**
- 12L Boreo-continental pine forests: **2 - optimum**
- 12O Peri-Alpidic pine forests: **2 - optimum**
- 12P Peatland pine forests: **2 - optimum**
- 12Q Peatland birch forests: **2 - optimum**
- 12R Acidophilous spruce forests: **2 - optimum**
- 12S Basiphilous spruce forests: **1 - rare occurrence**
- 12V Spruce plantations: **1 - rare occurrence**
- 12W Pine and larch plantations: **1 - rare occurrence**
- 13 Anthropogenic vegetation
- 13F Herbaceous vegetation of forests clearings and *Rubus* scrub: **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: [*AA Loiseleurio-Vaccinietea*](#), [*KC Roso pendulinae-Pinetea mugo*](#), [*LF Vaccinio-Piceetea*](#), [*RC Oxycocco-Sphagnetes*](#)
- Diagnostic taxon of alliances: [*AAA Loiseleurio procumbentis-Vaccinion*](#), [*KCA Pinion mugo*](#), [*LFA Festuco-Pinion sylvestris*](#), [*LFB Dicrano-Pinion sylvestris*](#), [*LFD Vaccinio uliginosi-Pinion sylvestris*](#), [*RCA Sphagnion magellanicum*](#), [*TEF Genisto pilosae-Vaccinion*](#)
- Diagnostic taxon of associations: [*AAA01 Avenello flexuosae-Callunetum vulgaris*](#),

[AAA02 Junco trifidi-Empetretum hermaphroditi](#), [KCA01 Dryopterido dilatatae-Pinetum mugo](#), [LFA01 Festuco-Pinetum sylvestris](#), [LFB01 Cladino-Pinetum sylvestris](#), [LFB02 Vaccinio myrtilli-Pinetum sylvestris](#), [LFB04 Asplenio cuneifolii-Pinetum sylvestris](#), [LFC04 Soldanello montanae-Piceetum abietis](#), [LFD01 Vaccinio uliginosi-Betuletum pubescentis](#), [LFD02 Vaccinio uliginosi-Pinetum sylvestris](#), [LFD03 Vaccinio-Pinetum montanae](#), [LFD04 Vaccinio uliginosi-Piceetum abietis](#), [RCA03 Vaccinio uliginosi-Pinetum mugo](#), [TEF01 Vaccinio-Callunetum vulgaris](#)

Constant taxon

Constant taxon of classes: [AA Loiseleurio-Vaccinietea](#), [KC Roso pendulinae-Pinetea mugo](#), [LF Vaccinio-Piceetea](#)

Constant taxon of alliances: [AAA Loiseleurio procumbentis-Vaccinion](#), [KCA Pinion mugo](#), [LFA Festuco-Pinion sylvestris](#), [LFB Dicrano-Pinion sylvestris](#), [LFD Vaccinio uliginosi-Pinion sylvestris](#), [TEF Genisto pilosae-Vaccinion](#)

Constant taxon of associations: [AAA01 Avenello flexuosae-Callunetum vulgaris](#), [AAA02 Junco trifidi-Empetretum hermaphroditi](#), [ACA01 Saxifrago oppositifoliae-Festucetum versicoloris](#), [KCA01 Dryopterido dilatatae-Pinetum mugo](#), [LFA01 Festuco-Pinetum sylvestris](#), [LFB01 Cladino-Pinetum sylvestris](#), [LFB02 Vaccinio myrtilli-Pinetum sylvestris](#), [LFB04 Asplenio cuneifolii-Pinetum sylvestris](#), [LFC04 Soldanello montanae-Piceetum abietis](#), [LFD01 Vaccinio uliginosi-Betuletum pubescentis](#), [LFD02 Vaccinio uliginosi-Pinetum sylvestris](#), [LFD03 Vaccinio-Pinetum montanae](#), [LFD04 Vaccinio uliginosi-Piceetum abietis](#), [RCA02 Andromedo polifoliae-Sphagnetum magellanici](#), [RCA03 Vaccinio uliginosi-Pinetum mugo](#), [TEF01 Vaccinio-Callunetum vulgaris](#), [TEF03 Festuco supinae-Vaccinietum myrtilli](#)

Dominant taxon

Dominant taxon of associations: [LFB02 Vaccinio myrtilli-Pinetum sylvestris](#), [LFB04 Asplenio cuneifolii-Pinetum sylvestris](#), [RCA05 Ledo palustris-Pinetum uncinatae](#), [TEF01 Vaccinio-Callunetum vulgaris](#), [TEF02 Calamagrostio arundinaceae-Vaccinietum myrtilli](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.7**

Ecological specialization index for non-forest vegetation: **4.6**

Ecological specialization index for forest vegetation: **5.3**

Colonization ability

Index of colonization success (ICS): **6**

Index of colonization potential (ICP): **6**

Optimum successional age [years]: **24**

Distribution and frequency

Floristic zone: **arctic, boreal, northern temperate, southern temperate, submeridional**

Floristic region: **circumpolar**

Distribution range extension along the continentality gradient: **7**

Elevational belt in the Czech Republic: **lowlands, colline belt, submontane belt, montane belt, subalpine belt**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **446**

taxon.data.freq_in_quad: **1187**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **2.3 %**

Occurrence frequency in vegetation plots with a cover above 5%: **22.1 %**

Occurrence frequency in vegetation plots with a cover above 25%: **5.7 %**

Occurrence frequency in vegetation plots with a cover above 50%: **1.3 %**

Mean percentage cover in vegetation plots: **6.6 %**

Maximum percentage cover in vegetation plots: **88 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **33**

Number of narrow habitats in which the taxon has its optimum: **12**

Number of broad habitats in which the taxon occurs: **10**

Number of broad habitats in which the taxon has its optimum: **5**

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**