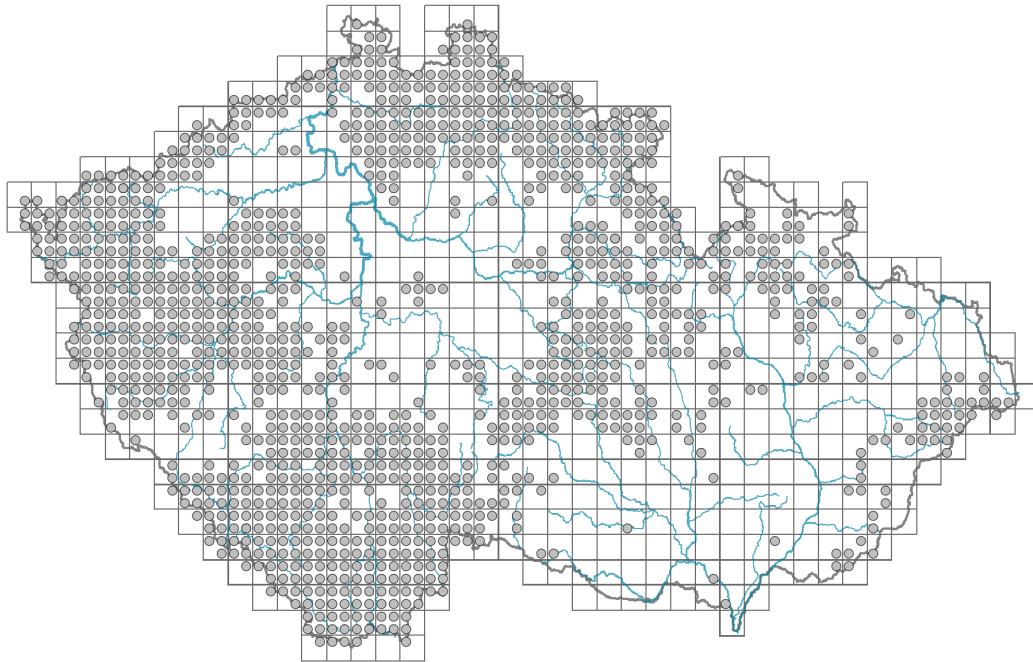


Vaccinium vitis-idaea

Distribution



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Map info

● revised records

○ unrevised records

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



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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 period [month]: **May-July**

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: **bumblebees (honeybee, 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 (cyclicality): **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): **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): **25**

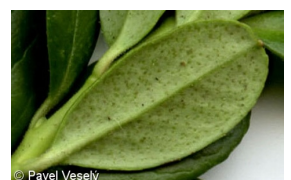
Depth of the belowground bud bank (root buds excluded) [cm]: **5**

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): **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): **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-Sphagneteta](#)
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 magellanici](#), [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: **461**

taxon.data.freq_in_quad: 1241

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**