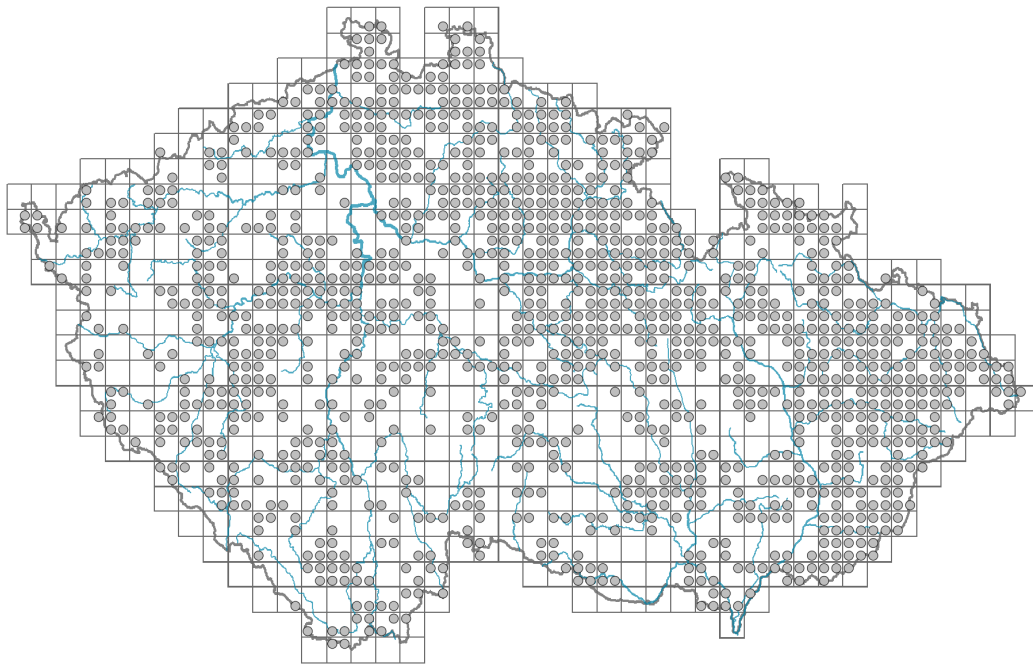


Vinca minor

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]: **0.1-0.2**

Growth form: **clonal herb**

Life form: **chamaephyte**

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

Life strategy (Pierce method based on leaf traits): **R/CSR**

Life strategy (Pierce method, C-score): **25.1 %**

Life strategy (Pierce method, S-score): **20.2 %**

Life strategy (Pierce method, R-score): **54.7 %**

Leaf

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

Leaf arrangement (phyllotaxis): **opposite**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **present**

Leaf life span: **evergreen**

Leaf anatomy: **scleromorphic**

Flower

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

Flowering phase: **3 Prunus avium-Ranunculus auricomus (end of early spring)**
 Flower colour: **blue**
 Flower symmetry: **actinomorphic**
 Perianth type: **calyx and corolla**
 Perianth fusion: **fused**
 Shape of the sympetalous corolla or syntepalous perianth: **hypocrateriform**
 Calyx fusion: **synsepalous**
 Inflorescence type: **flores solitarii**
 Dicliny: **synoecious**
 Generative reproduction type: **alogamy self-incompatibility, facultative alogamy**
 Pollination syndrome: **insect-pollination**

Fruit, seed and dispersal

Fruit type: **dry fruit - cluster of follicles**
 Fruit colour: **brown**
 Reproduction type: **by seed/spores and vegetatively**
 Dispersal unit (diaspore): **seed**
 Dispersal strategy: **Allium (mainly autochory)**
 Myrmecochory: **probably myrmecochorous**

Belowground organs and clonality

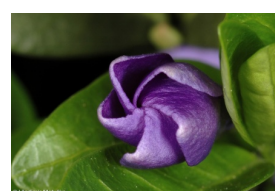
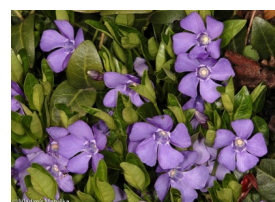
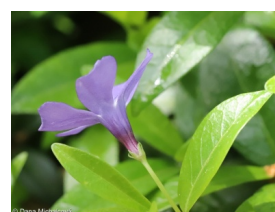
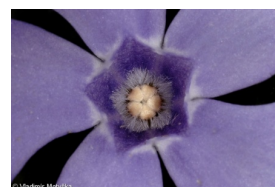
Shoot metamorphosis: **stolon**
 Type of clonal growth organ: **stolon**
 Freely dispersible organs of clonal growth: **absent**
 Primary root: **absent**
 Persistence of the clonal growth organ [year]: **4**
 Number of clonal offspring: **1**
 Lateral spreading distance by clonal growth [m]: **0.13**
 Clonal index: **4**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **15**
 Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **8**
 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): **23**
 Depth of the belowground bud bank (root buds excluded) [cm]: **2**
 Number of buds per shoot at the soil surface (root buds included): **15**
 Number of buds per shoot at a depth of 0–10 cm (root buds included): **8**
 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): **23**
 Depth of the belowground bud bank (root buds included) [cm]: **2**

Trophic mode

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



Karyology

Chromosome number (2n): **46**

Ploidy level (x): **4**

2C genome size [Mbp]: **1340.32**

1Cx monoploid genome size [Mbp]: **335.08**

Genomic GC content: **37.9 %**



Taxon origin

Origin in the Czech Republic: **archaeophyte/neophyte**

Invasion status: **naturalized**

Geographic origin: **Europe**

Period of introduction: **Late Middle Ages and Early Modern Period (merged category, 1200-1800)**

Introduction pathway: **intentional - ornamental, intentional - nature**



Ecological indicator values

Ellenberg-type indicator values

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

Temperature indicator value: **6 - transition between values 5 and 7**

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: **7 - indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**

Nutrient indicator value: **6 - transition between values 5 and 7**

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

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.99**

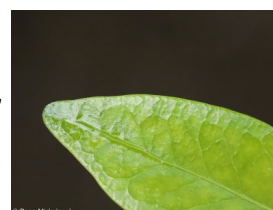
Herb layer disturbance frequency indicator value: **-0.69**

Whole-community disturbance severity indicator value: **0.23**

Herb layer disturbance severity indicator value: **0.04**

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

Herb layer structure-based disturbance indicator value: **0.4**



Habitat and sociology

Occurrence in habitats

6 Meadows and mesic pastures

6A Mesic Arrhenatherum meadows: **1 - rare occurrence**

6C Pastures and park grasslands: **1 - rare occurrence**

11 Heathlands and scrub

11L Tall mesic and xeric shrub: **1 - rare occurrence**

11R Scrub and pioneer woodland of forests clearings: **2 - optimum**

12 Forests

12B Alluvial forests: **1 - rare occurrence**

12C Oak-hornbeam forests: **2 - optimum**

12D Ravine forests: **1 - rare occurrence**

12E Herb-rich beech forests: **1 - rare occurrence**

12F Limestone beech forests: **1 - rare occurrence**

12I Sub-continental thermophilous oak forests: **2 - optimum**

12U Plantations of broad-leaved non-native trees: **1 - rare occurrence**

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

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

13 Anthropogenic vegetation

13E Perennial nitrophilous herbaceous vegetation of mesic sites: **2 - optimum**

13F Herbaceous vegetation of forests clearings and Rubus scrub: **1 - rare occurrence**

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **1.1 - taxon occurring mainly in the closed forest**

Affinity to the forest environment in Mesophyticum and Oreophyticum: **1.1 - taxon occurring mainly in the closed forest**

Diagnostic taxon

Diagnostic taxon of alliances: [LCB *Aceri tatarici-Quercion*](#)

Diagnostic taxon of associations: [LCB01 *Quercetum pubescenti-roboris*](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.2**

Ecological specialization index for non-forest vegetation: **4.2**

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

Colonization ability

Index of colonization success (ICS): **2**

Index of colonization potential (ICP): **4**

Optimum successional age [years]: **75**

Distribution and frequency

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

Floristic region: **Europe**

Continental degree: **3**

Distribution range extension along the continentality gradient: **3**

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **525**

taxon.data.freq_in_quad: **1234**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.1 %**

Occurrence frequency in vegetation plots with a cover above 5%: **50 %**

Occurrence frequency in vegetation plots with a cover above 25%: **18.8 %**

Occurrence frequency in vegetation plots with a cover above 50%: **9.4 %**

Mean percentage cover in vegetation plots: **14.9 %**

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: **15**

Number of narrow habitats in which the taxon has its optimum: **4**

Number of broad habitats in which the taxon occurs: **4**

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**