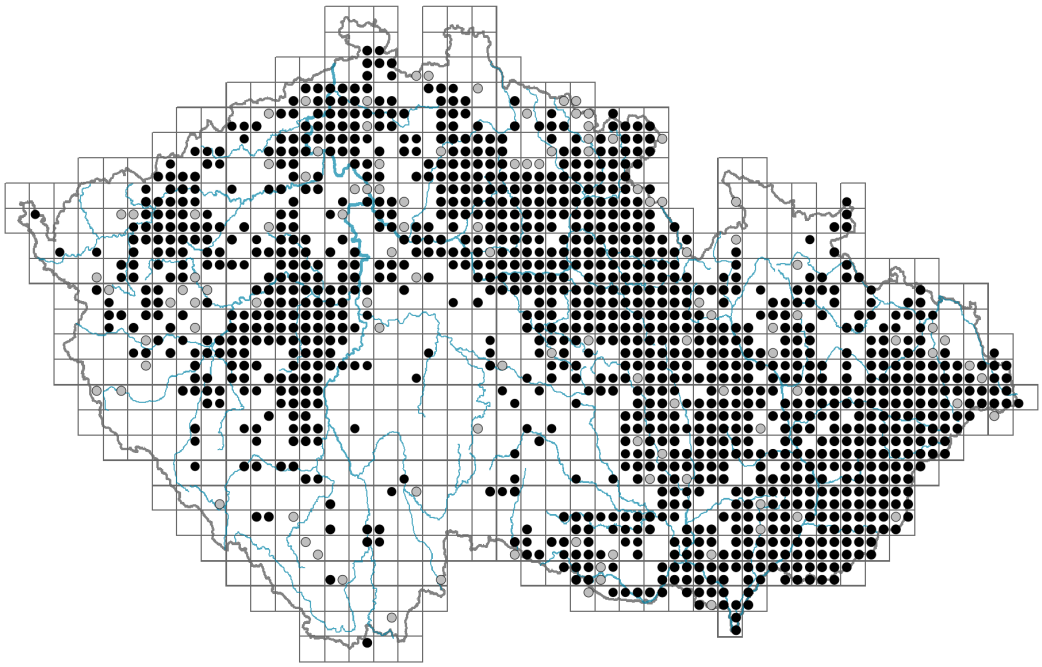
Colchicum autumnale

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]: **0.1–0.4**
Growth form: **clonal herb**
Life form: **geophyte**
Life strategy: **CSR – competitor/stress-tolerator/ruderal**
Life strategy (Pierce method based on leaf traits): **C/CR**
Life strategy (Pierce method, C-score): **65.7 %**
Life strategy (Pierce method, S-score): **0 %**
Life strategy (Pierce method, R-score): **34.3 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **rosulate**
Leaf shape: **simple – entire**
Stipules: **absent**
Petiole: **absent**
Leaf life span: **summer green**
Leaf anatomy: **mesomorphic**

Flower

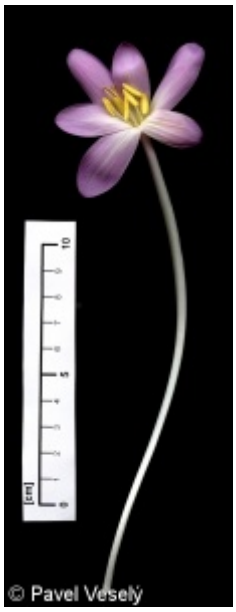
Flowering period [month]: **September–November**

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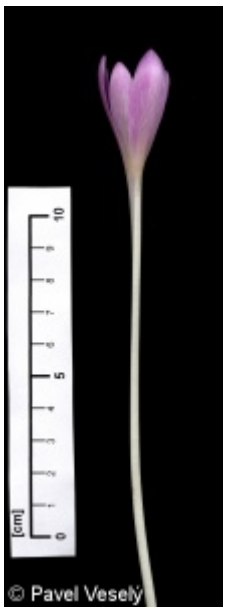
Flowering phase: **9 Hedera helix-Solidago (early autumn)**
Flower colour: **white, pink, pink-violet**
Flower symmetry: **actinomorphic**
Perianth type: **homochlamydeous**
Perianth fusion: **fused**
Shape of the sympetalous corolla or syntepalous perianth: **funnel-shaped**
Inflorescence type: **flores solitarii**
Dicliny: **synoecious**
Generative reproduction type: **facultative allogamy**
Pollination syndrome: **insect-pollination, selfing**

Fruit, seed and dispersal



Fruit type: **dry fruit – capsule**
Fruit colour: **brown, grey**
Reproduction type: **by seed/spores and vegetatively**
Dispersal unit (diaspore): **seed**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **myrmecochorous**

Belowground organs and clonality



Shoot metamorphosis: **shoot tuber**
Storage organ: **shoot tuber**
Type of clonal growth organ: **belowground stem tuber**
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]: **1.5**
Number of clonal offspring: **2.4**
Lateral spreading distance by clonal growth [m]: **0.01**
Clonal index: **3**

Bud bank

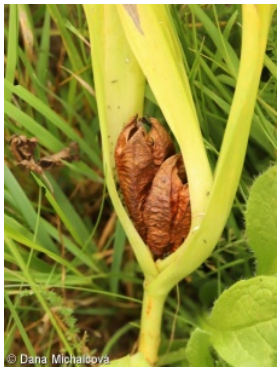
Number of buds per shoot at the soil surface (root buds excluded): **0**
Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **2**
Number of buds per shoot at a depth greater than 10 cm (root buds excluded): **3**
Size of the belowground bud bank (root buds excluded): **5**
Depth of the belowground bud bank (root buds exluded) [cm]: **12**
Number of buds per shoot at the soil surface (root buds included): **0**
Number of buds per shoot at a depth of 0–10 cm (root buds included): **2**
Number of buds per shoot at a depth greater than 10 cm (root buds included): **3**
Size of the belowground bud bank (root buds included): **5**
Depth of the belowground bud bank (root buds included) [cm]: **12**



Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**
Carnivory: **non-carnivorous**

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



Karyology

Chromosome number (2n): **38**
Ploidy level (x): **4**
2C genome size [Mbp]: **5833.47**
1Cx monoploid genome size [Mbp]: **1458.37**
Genomic GC content: **46.7 %**

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: **6 – transition between values 5 and 7**
Reaction indicator value: **6 – transition between values 5 and 7**
Nutrient indicator value: **5x – occurring at moderately nutrient-rich sites, and less frequently at poor and rich sites (generalist)**
Salinity indicator value: **1 – salt tolerant, mostly on low-salt to salt-free soils, but occasionally on slightly salty soils**



Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.09**
Herb layer disturbance frequency indicator value: **-0.36**
Whole-community disturbance severity indicator value: **0.28**
Herb layer disturbance severity indicator value: **0.28**
Whole-community structure based disturbance indicator value: **0.38**
Herb layer structure-based disturbance indicator value: **0.5**



Habitat and sociology

Occurrence in habitats

4 Wetland and riverine herbaceous vegetation

4K Petasites fringes of montane brooks: **1 – rare occurrence**



5 Vegetation of springs and mires

5D Calcareous fens: **2 – optimum**
5E Acidic moss-rich fens and peatland meadows: **1 – rare occurrence**

6 Meadows and mesic pastures

6A Mesic Arrhenatherum meadows: **2 – optimum**
6C Pastures and park grasslands: **1 – rare occurrence**
6D Alluvial meadows of lowland rivers: **2 – optimum**
6E Wet Cirsium meadows: **2 – optimum**

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6F Intermittently wet Molinia meadows: **2 – optimum**

8 Dry grasslands

8D Broad-leaved dry grasslands: **1 – rare occurrence**

8F Thermophilous forest fringe vegetation: **1 – rare occurrence**

9 Sand grasslands and rock-outcrop vegetation

9E Acidophilous vegetation of spring therophytes and succulents: **1 – rare occurrence**

10 Saline vegetation

10I Inland saline meadows: **1 – rare occurrence**

11 Heathlands and scrub

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

11N Low xeric scrub: **1 – rare occurrence**

12 Forests



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

12B Alluvial forests: **2 – optimum**

12C Oak-hornbeam forests: **1 – rare occurrence**

12H Peri-Alpidic basiphilous thermophilous oak forests: **1 – rare occurrence**

12I Sub-continental thermophilous oak forests: **1 – rare occurrence**

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

13 Anthropogenic vegetation

13E Perennial nitrophilous herbaceous vegetation of mesic sites: **1 – rare occurrence**

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **2.2 – taxon occurring partly in the forest, but mainly in open vegetation**

Affinity to the forest environment in Mesophyticum and Oreophyticum: **2.2 – taxon occurring partly in the forest, but mainly in open vegetation**

Diagnostic taxon

Diagnostic taxon of associations: **KBB05 *Rhamno catharticae-Cornetum sanguineae***, **TDE04 *Cnidio dubii-Deschampsietum cespitosae***, **THF02 *Brachypodio pinnati-Molinietum arundinaceae***



Constant taxon

Constant taxon of associations: **KBB05 *Rhamno catharticae-Cornetum sanguineae***, **TDE04 *Cnidio dubii-Deschampsietum cespitosae***, **THF02 *Brachypodio pinnati-Molinietum arundinaceae***

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.9**

Ecological specialization index for non-forest vegetation: **5.4**

Ecological specialization index for forest vegetation: **5.6**

Colonization ability

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

Index of colonization potential (ICP): **1**

Optimum successional age [years]: **25**

Distribution and frequency

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

Floristic region: **Europe**

Continentality degree: **4**

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Distribution range extension along the continentality gradient: **4**
Elevational belt in the Czech Republic: **lowlands, colline belt, submontane belt, montane belt**
Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 474
taxon.data.freq_in_quad: 1292



Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **1.7 %**
Occurrence frequency in vegetation plots with a cover above 5%: **7.6 %**
Occurrence frequency in vegetation plots with a cover above 25%: **0.8 %**
Occurrence frequency in vegetation plots with a cover above 50%: **0 %**
Mean percentage cover in vegetation plots: **3 %**
Maximum percentage cover in vegetation plots: **38 %**

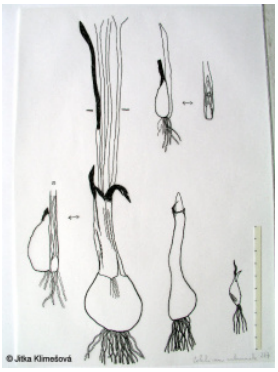


Number of habitats with taxon occurrence in the Czech Republic

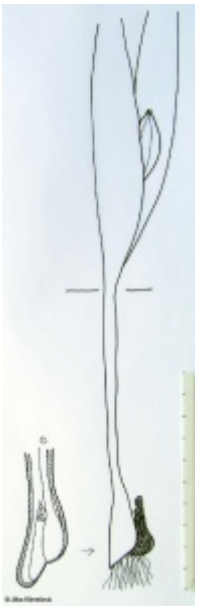
Number of narrow habitats in which the taxon occurs: **21**
Number of narrow habitats in which the taxon has its optimum: **6**
Number of broad habitats in which the taxon occurs: **9**
Number of broad habitats in which the taxon has its optimum: **3**

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**



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