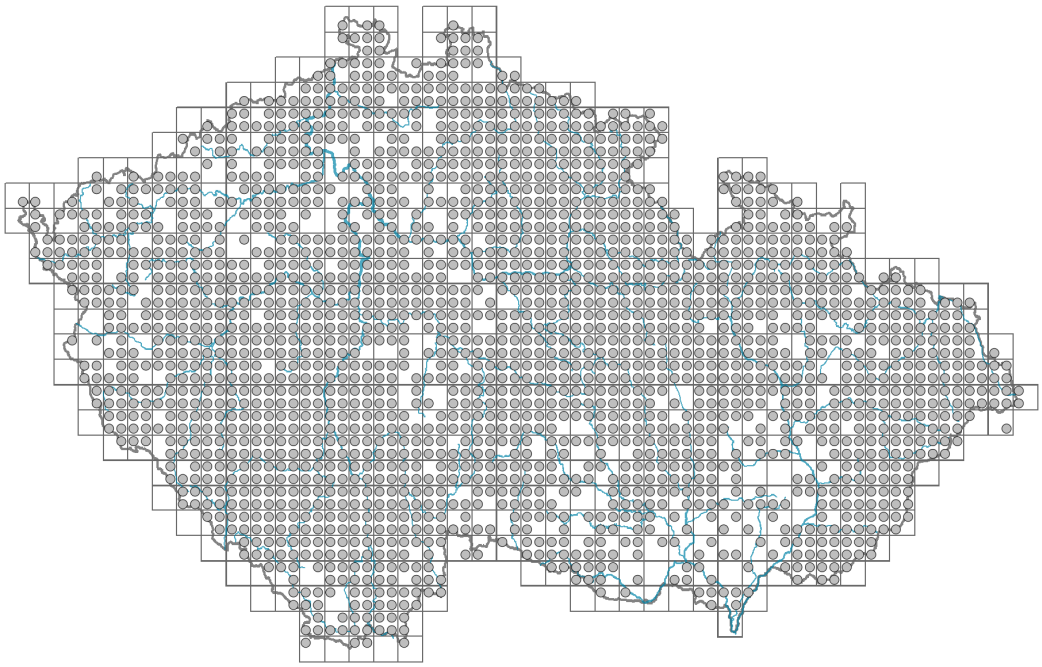
Bellis perennis

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]: **0.05–0.2**
Growth form: **clonal herb**
Life form: **hemicryptophyte**
Life strategy: **CSR – competitor/stress-tolerator/ruderal**
Life strategy (Pierce method based on leaf traits): **R/CR**
Life strategy (Pierce method, C-score): **23.7 %**
Life strategy (Pierce method, S-score): **0 %**
Life strategy (Pierce method, R-score): **76.3 %**



Leaf

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



Flower

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



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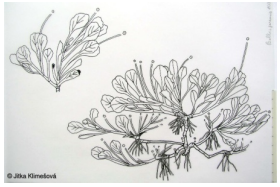




Flowering phase: **1 Corylus avellana-Leucojum vernum (pre-spring)**
Flower colour: **white, yellow, pink**
Flower symmetry: **actinomorphic, zygomorphic**
Perianth type: **calyx reduced, corolla present**
Perianth fusion: **fused**
Shape of the sympetalous corolla or syntepalous perianth: **ligulate, tubular**
Calyx fusion: **pappus**
Inflorescence type: **anthodium solitarium**
Dicliny: **gynomonoecious**
Generative reproduction type: **autogamy**
Pollination syndrome: **insect-pollination, selfing**
Pollinator spectrum: **flies s. l., other Diptera (bumblebees, solitary bees, other Hymenoptera, hoverflies, meat flies s. l., butterflies, beetles, nitidulids, thrips, other pollinators, unknown)**

Fruit, seed and dispersal





Fruit type: **dry fruit – achene/cypsela/samara**
Fruit colour: **brown**
Reproduction type: **by seed/spores and vegetatively**
Dispersal unit (diaspore): **fruit, infrutescence or its part**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **probably non-myrmecochorous**

Belowground organs and clonality

Shoot metamorphosis: **rhizome**
Storage organ: **rhizome**
Type of clonal growth organ: **epigeogenous rhizome**
Freely dispersible organs of clonal growth: **absent**
Shoot life span (cyclicity): **monocyclic shoots prevailing**
Branching type of stem-derived organs of clonal growth: **sympodial**
Primary root: **absent**
Persistence of the clonal growth organ [year]: **2.7**
Number of clonal offspring: **6**
Lateral spreading distance by clonal growth [m]: **0.1**
Clonal index: **5**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **5**
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): **0**
Size of the belowground bud bank (root buds excluded): **20**
Depth of the belowground bud bank (root buds exluded) [cm]: **4**
Number of buds per shoot at the soil surface (root buds included): **5**
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): **0**
Size of the belowground bud bank (root buds included): **20**
Depth of the belowground bud bank (root buds included) [cm]: **4**

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Trophic mode

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

Karyology

Chromosome number (2n): **18**
Ploidy level (x): **2**
2C genome size [Mbp]: **3089.89**
1Cx monoploid genome size [Mbp]: **1544.94**
Genomic GC content: **39.5 %**

Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **8 – light plant, only exceptionally occurring at less than 40% of diffuse radiation incident in an open area**
Temperature indicator value: **5x – moderate heat indicator, occurring from lowland to montane belt, mainly in submontane-temperate areas (generalist)**
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: **5x – indicator of moderate acidity, occurring rarely in strongly acidic as well as in neutral to alkaline conditions (generalist)**
Nutrient indicator value: **6 – transition between values 5 and 7**
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: **-0.09**
Herb layer disturbance frequency indicator value: **-0.09**
Whole-community disturbance severity indicator value: **0.36**
Herb layer disturbance severity indicator value: **0.39**
Whole-community structure based disturbance indicator value: **0.71**
Herb layer structure-based disturbance indicator value: **0.88**

Habitat and sociology

Occurrence in habitats

5 Vegetation of springs and mires

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

6 Meadows and mesic pastures

6A Mesic Arrhenatherum meadows: **2 – optimum**
6B Montane mesic meadows: **2 – optimum**

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6C Pastures and park grasslands: **2 – optimum**
6D Alluvial meadows of lowland rivers: **1 – rare occurrence**
6E Wet Cirsium meadows: **1 – rare occurrence**
6F Intermittently wet Molinia meadows: **1 – rare occurrence**
6G Vegetation of wet disturbed soils: **1 – rare occurrence**

7 Acidophilous grasslands

7A Subalpine and montane acidophilous grasslands: **1 – rare occurrence**
7B Submontane Nardus grasslands: **1 – rare occurrence**

9 Sand grasslands and rock-outcrop vegetation

9B Open vegetation of acidic sands: **1 – rare occurrence**
9C Festuca grasslands on acidic sands: **1 – rare occurrence**

10 Saline vegetation

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

13 Anthropogenic vegetation

13C Annual vegetation of trampled habitats: **1 – rare occurrence**

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **0 – taxon that does not spontaneously occur in Czech forests**
Affinity to the forest environment in Mesophyticum and Oreophyticum: **0 – taxon that does not spontaneously occur in Czech forests**

Diagnostic taxon

Diagnostic taxon of associations: **TDC01 *Lolio perennis-Cynosuretum cristati***

Constant taxon

Constant taxon of associations: **TDC01 *Lolio perennis-Cynosuretum cristati***

Ecological specialization indices

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

Colonization ability

Index of colonization success (ICS): **2**
Index of colonization potential (ICP): **1**
Optimum successional age [years]: **32**

Distribution and frequency

Floristic zone: **northern temperate, southern temperate, submeridional, meridional**
Floristic region: **Europe**
Continentality degree: **4**
Distribution range extension along the continentality gradient: **4**
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: 647
taxon.data.freq_in_quad: 2093

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.8 %**
Occurrence frequency in vegetation plots with a cover above 5%: **4.5 %**

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Occurrence frequency in vegetation plots with a cover above 25%: **1.2 %**
Occurrence frequency in vegetation plots with a cover above 50%: **0 %**
Mean percentage cover in vegetation plots: **2.8 %**
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: **15**
Number of narrow habitats in which the taxon has its optimum: **3**
Number of broad habitats in which the taxon occurs: **6**
Number of broad habitats in which the taxon has its optimum: **1**

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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