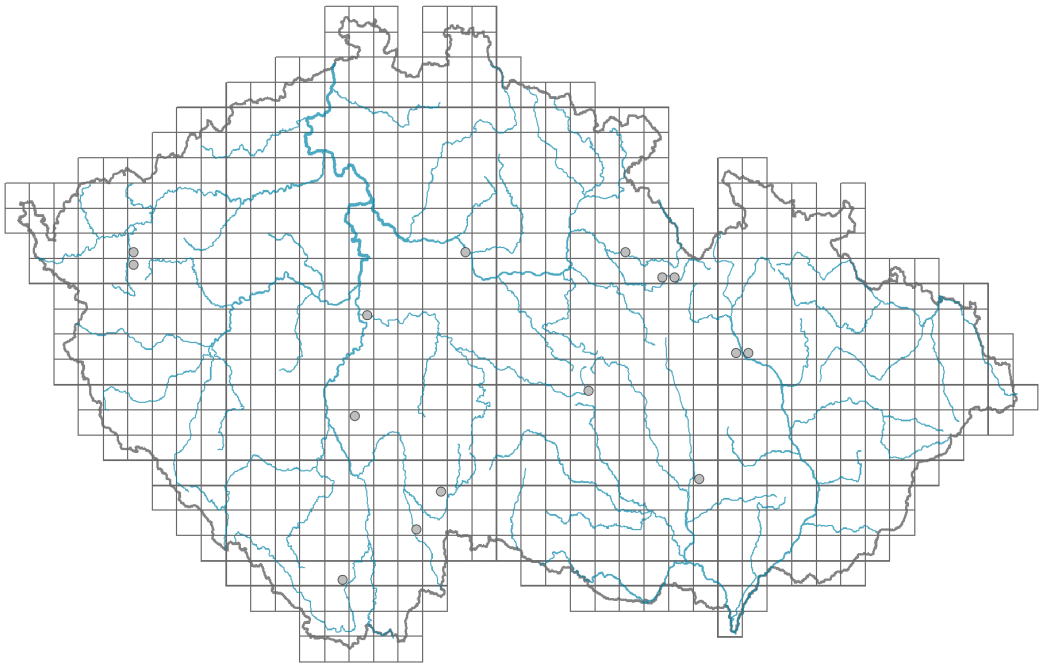
Erythronium dens-canis

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: **clonal herb**
Life form: **geophyte**
Life strategy (Pierce method based on leaf traits): **CR**
Life strategy (Pierce method, C-score): **58 %**
Life strategy (Pierce method, S-score): **0 %**
Life strategy (Pierce method, R-score): **42 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **opposite**
Leaf shape: **simple – entire**
Stipules: **absent**
Petiole: **absent**

Flower

Flowering period [month]: **March–April**
Flower colour: **pink**
Flower symmetry: **actinomorphic**
Perianth type: **homochlamydeous**

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Perianth fusion: **free**
Inflorescence type: **flores solitarii**
Generative reproduction type: **mixed mating**

Fruit, seed and dispersal

Fruit type: **dry fruit – capsule**
Fruit colour: **brown**
Dispersal unit (diaspore): **seed**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **myrmecochorous**

Belowground organs and clonality

Type of clonal growth organ: **bulb**
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**
Number of clonal offspring: **3**
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): **5**
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): **5**
Depth of the belowground bud bank (root buds exluded) [cm]: **5**
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): **5**
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): **5**
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]: **51849.71**
1Cx monoploid genome size [Mbp]: **25924.85**
Genomic GC content: **44.4 %**

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Taxon origin

Origin in the Czech Republic: **archaeophyte/neophyte**
Invasion status: **naturalized**
Geographic origin: **Europe**
Year of the first record in the wild: **1819**
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: **7 – heat indicator, occurring in relatively warm lowlands**
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: **4 – transition between values 3 and 5**
Salinity indicator value: **0 – not salt tolerant, glycophyte**

Habitat and sociology

Occurrence in habitats

12 Forests

12C Oak-hornbeam forests: **1 – rare occurrence**
12D Ravine forests: **1 – rare occurrence**
12E Herb-rich beech forests: **1 – rare occurrence**

Affinity to the forest environment

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

Distribution and frequency

Continentality degree: **4**
Distribution range extension along the continentality gradient: **4**
Elevational belt in the Czech Republic: **colline belt**
Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 15
taxon.data.freq_in_quad: 15

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **3**
Number of narrow habitats in which the taxon has its optimum: **0**
Number of broad habitats in which the taxon occurs: **1**
Number of broad habitats in which the taxon has its optimum: **0**

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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: **critically threatened taxon**

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