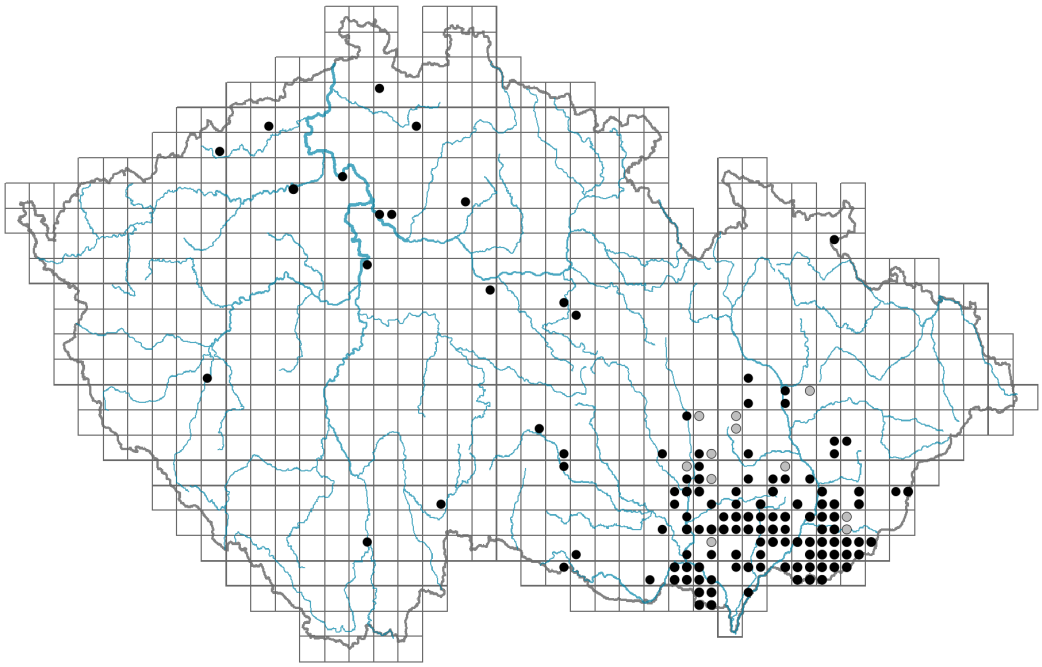
Chamaecytisus virescens

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]: **0.2–0.7**
Growth form: **dwarf shrub**
Life form: **chamaephyte**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **alternate**
Leaf shape: **compound – ternate**
Stipules: **absent**
Petiole: **present**
Leaf deciduousness in woody plants: **winter deciduous**
Functional leaf type in woody plants: **broad deciduous or semi-deciduous**

Flower

Flowering period [month]: **May–August**
Flower colour: **yellow**
Flower symmetry: **zygomorphic**
Perianth type: **calyx and corolla**
Perianth fusion: **free**
Calyx fusion: **synsepalous**

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Inflorescence type: **capitulum**

Fruit, seed and dispersal

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

Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **symbiosis with rhizobia**

Karyology

Chromosome number (2n): **96**
Ploidy level (x): **8**
2C genome size [Mbp]: **3902.36**
1Cx monoploid genome size [Mbp]: **487.79**
Genomic GC content: **38.2 %**

Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **7 – half-light plant, mostly occurring at full light, but also in the shade up to about 30% of diffuse radiation incident in an open area**
Temperature indicator value: **6 – transition between values 5 and 7**
Moisture indicator value: **4 – transition between values 3 and 5**
Reaction indicator value: **7 – indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**
Nutrient indicator value: **3 – occurring at nutrient-poor sites more frequently than at average sites and exceptionally at rich sites**
Salinity indicator value: **0 – not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.8**
Herb layer disturbance frequency indicator value: **-0.42**
Whole-community disturbance severity indicator value: **0.19**
Herb layer disturbance severity indicator value: **0.22**
Whole-community structure based disturbance indicator value: **0.47**
Herb layer structure-based disturbance indicator value: **0.62**

Habitat and sociology

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Occurrence in habitats

6 Meadows and mesic pastures

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

6F Intermittently wet Molinia meadows: **1 – rare occurrence**

8 Dry grasslands

8C Narrow-leaved sub-continental steppes: **1 – rare occurrence**

8D Broad-leaved dry grasslands: **2 – optimum**

8F Thermophilous forest fringe vegetation: **2 – optimum**

11 Heathlands and scrub

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

11N Low xeric scrub: **2 – optimum**

12 Forests

12H Peri-Alpidic basiphilous thermophilous oak forests: **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**

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.9**

Ecological specialization index for non-forest vegetation: **6.1**

Colonization ability

Index of colonization success (ICS): **1**

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

Distribution and frequency

Elevational belt in the Czech Republic: **colline belt (lowlands)**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 79

taxon.data.freq_in_quad: 143

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%: **11.5 %**

Occurrence frequency in vegetation plots with a cover above 25%: **3.8 %**

Occurrence frequency in vegetation plots with a cover above 50%: **0 %**

Mean percentage cover in vegetation plots: **4.8 %**

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: **8**

Number of narrow habitats in which the taxon has its optimum: **3**

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

Number of broad habitats in which the taxon has its optimum: **2**

Threats and protection

Red List 2017 (national categories): **C3 – vulnerable taxon**

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Red List 2017 (IUCN categories): **NT – near threatened**
Legal protection: **not protected by law**

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