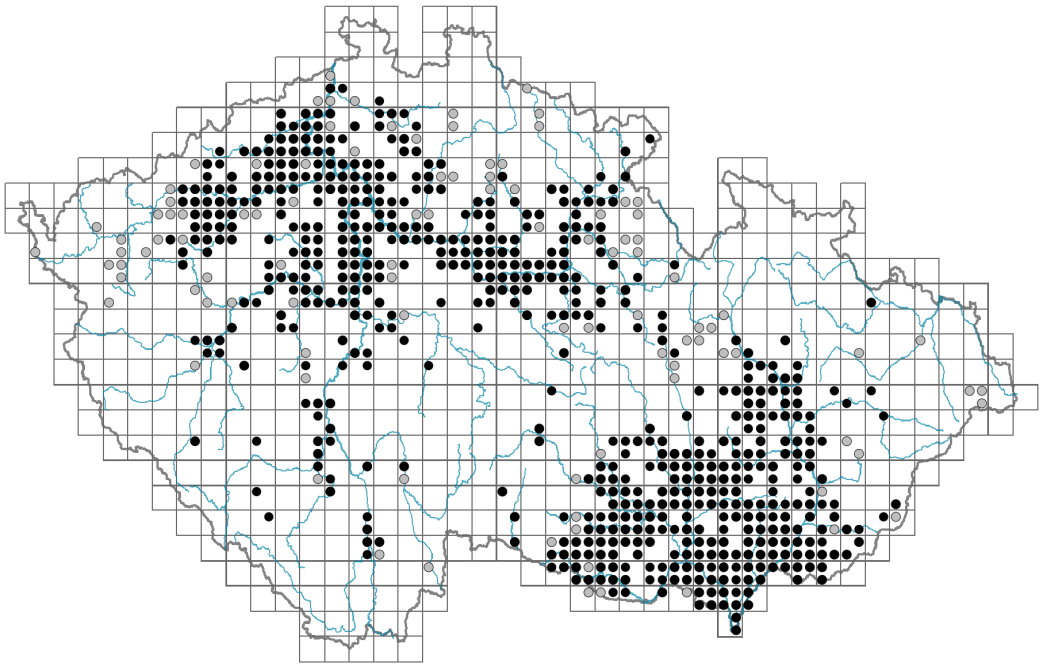
Carex praecox

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]: **0.05–0.4**
Growth form: **clonal herb**
Life form: **hemicryptophyte (geophyte)**
Life strategy: **CSR – competitor/stress-tolerator/ruderal**

Leaf

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

Flower

Flowering period [month]: **April–May**
Flowering phase: **4 Fagus sylvatica-Galeobdolon (start of mid-spring)**
Flower colour: **brown**
Perianth type: **flower achlamydeous**
Inflorescence type: **spica e spiculis composita**

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Dicliny: **monoecious**
Generative reproduction type: **facultative allogamy**
Pollination syndrome: **wind-pollination**



Fruit, seed and dispersal

Fruit type: **dry fruit – nut enclosed in an utricle**
Fruit colour: **yellow, brown**
Reproduction type: **by seed/spores and vegetatively**
Dispersal unit (diaspore): **fruit, infrutescence or its part**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **non-myrmecochorous (a)**



Belowground organs and clonality

Shoot metamorphosis: **stolon, rhizome**
Storage organ: **stolon, rhizome**
Type of clonal growth organ: **hypogeogenous rhizome**
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]: **4**
Number of clonal offspring: **2**
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): **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**



Trophic mode

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



Karyology

Chromosome number (2n): **58**
Ploidy level (x): **2**
2C genome size [Mbp]: **621.85**



1Cx monoploid genome size [Mbp]: **310.93**
Genomic GC content: **35.8 %**



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: **6 – transition between values 5 and 7**
Moisture indicator value: **4 – transition between values 3 and 5**
Reaction indicator value: **6x – transition between values 5 and 7 (generalist)**
Nutrient indicator value: **4 – transition between values 3 and 5**
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: **-0.69**
Herb layer disturbance frequency indicator value: **-0.39**
Whole-community disturbance severity indicator value: **0.28**
Herb layer disturbance severity indicator value: **0.3**
Whole-community structure based disturbance indicator value: **0.53**
Herb layer structure-based disturbance indicator value: **0.63**



Habitat and sociology



Occurrence in habitats

5 Vegetation of springs and mires

5D Calcareous fens: **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**
6F Intermittently wet Molinia meadows: **2 – optimum**



7 Acidophilous grasslands

7B Submontane Nardus grasslands: **1 – rare occurrence**



8 Dry grasslands

8A Hercynian dry grasslands on rock outcrops: **1 – rare occurrence**
8B Submediterranean dry grasslands on rock outcrops: **1 – rare occurrence**
8C Narrow-leaved sub-continental steppes: **2 – optimum**
8D Broad-leaved dry grasslands: **1 – rare occurrence**
8E Acidophilous dry grasslands: **2 – optimum**
8F Thermophilous forest fringe vegetation: **1 – rare occurrence**

9 Sand grasslands and rock-outcrop vegetation

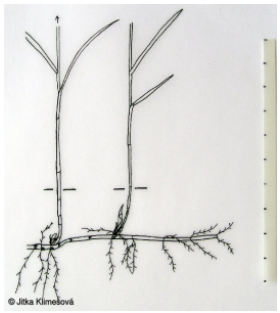
9B Open vegetation of acidic sands: **1 – rare occurrence**
9C Festuca grasslands on acidic sands: **2 – optimum**

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9D Pannonian sand steppes: **2 – optimum**
9E Acidophilous vegetation of spring therophytes and succulents: **1 – rare occurrence**
9F Basiphilous vegetation of spring therophytes and succulents: **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

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**
12K Acidophilous oak forests: **1 – rare occurrence**
12W Pine and larch plantations: **1 – rare occurrence**

13 Anthropogenic vegetation

13D Perennial thermophilous ruderal vegetation: **2 – optimum**

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: **TDE03 *Lathyro palustris-Gratioletum officinalis***, **TDE04 *Cnidio dubii-Deschampsietum cespitosae***, **TDE05 *Scutellario hastifoliae-Veronicetum longifoliae***, **TFC02 *Erysimo diffusi-Agrostietum capillaris***

Constant taxon

Constant taxon of associations: **TDE04 *Cnidio dubii-Deschampsietum cespitosae***

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.1**
Ecological specialization index for non-forest vegetation: **4.2**
Ecological specialization index for forest vegetation: **4.6**

Colonization ability

Index of colonization success (ICS): **2**
Index of colonization potential (ICP): **2**
Optimum successional age [years]: **15.5**

Distribution and frequency

Floristic zone: **northern temperate, southern temperate, submeridional**
Floristic region: **Europe, Asia**
Continentality degree: **6**
Distribution range extension along the continentality gradient: **6**
Elevational belt in the Czech Republic: **lowlands, colline belt**
Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 327
taxon.data.freq_in_quad: 731

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.5 %**
Occurrence frequency in vegetation plots with a cover above 5%: **24 %**

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Occurrence frequency in vegetation plots with a cover above 25%: **2.6 %**
Occurrence frequency in vegetation plots with a cover above 50%: **1.3 %**
Mean percentage cover in vegetation plots: **5.7 %**
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: **25**
Number of narrow habitats in which the taxon has its optimum: **8**
Number of broad habitats in which the taxon occurs: **8**
Number of broad habitats in which the taxon has its optimum: **4**

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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