

Carex elata

Habitus and growth type

Plant height [m]: **0.82**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/mg]: **13.96**

Flower

Flowering period: **March-May**

Fruit, seed and dispersal

Seed mass [mg]: **0.71**

Dispersal mode: **Local non-specific dispersal**

Dispersal distance class: **2**

Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

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

Taxon origin

Origin in Europe: **native**

Ecology

Environmental relationships

Substrate humidity relationship: **Water**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.6**

Temperature indicator value: **5.1**

Moisture indicator value: **9.6**

Reaction indicator value: **6.5**

Nutrient indicator value: **4.9**

Salinity indicator value: **0.1**

Disturbance indicator values

Disturbance frequency: **0.75**

Disturbance frequency (herb layer): **1.44**
Disturbance severity: **0.37**
Disturbance severity (herb layer): **0.24**
Mowing frequency: **0.3**
Grazing pressure: **0.13**
Soil disturbance: **0.12**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [IA \(ALN\) *Alnetea glutinosae*](#), [OD \(PHR\) *Phragmito-Magnocaricetea*](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [Q43 Tall-sedge base-rich fen](#), [Q44 Calcareous quaking mire](#), [T15 Broadleaved swamp forest on non-acid peat](#)

Constant species of EUNIS habitats: [Q43 Tall-sedge base-rich fen](#), [Q44 Calcareous quaking mire](#), [T15 Broadleaved swamp forest on non-acid peat](#)

Dominant species of EUNIS habitats: [T15 Broadleaved swamp forest on non-acid peat](#)

Broad habitat

Occurrence in broad habitats: **Aquatic, Wetland, Mire, Forest**

Distribution

Continentality: **4**

Continentality amplitude: **4**