Carex elata

Habitus and growth type

Plant height [m]: **0.82**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/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**

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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**

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