

Carex acuta

Habitus and growth type

Plant height [m]: **0.83**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte**

Leaf

Specific leaf area [mm²/mg]: **13.85**

Flower

Flowering period: **March-June**

Fruit, seed and dispersal

Seed mass [mg]: **0.88**

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: **Wet**

Substrate reaction relationship: **Slightly acidic to near-neutral**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.9**

Moisture indicator value: **9.2**

Reaction indicator value: **5.9**

Salinity indicator value: **0.2**

Disturbance indicator values

Disturbance frequency: **1.22**

Disturbance frequency (herb layer): **1.72**

Disturbance severity: **0.39**

Disturbance severity (herb layer): **0.36**

Mowing frequency: **0.63**

Grazing pressure: **0.17**

Soil disturbance: **0.13**

Habitat and sociology

Syntaxon

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

EUNIS habitat

Diagnostic species of EUNIS habitats: [Q53 Tall-sedge bed](#)

Constant species of EUNIS habitats: [Q51 Tall-helophyte bed](#), [Q53 Tall-sedge bed](#), [R35 Moist or wet mesotrophic to eutrophic hay meadow](#)

Dominant species of EUNIS habitats: [Q53 Tall-sedge bed](#)

Broad habitat

Occurrence in broad habitats: **Aquatic, Wetland, Grassland (non-alpine, non-saline), Scrub, Forest**

Distribution

Continentality amplitude: **5**