

# *Carex humilis*

## Habitus and growth type

Plant height [m]: **0.12**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **16.8**

## Flower

Flowering period: **February-June**

## Fruit, seed and dispersal

Seed mass [mg]: **1.63**

Dispersal mode: **Myrmecochory**

Dispersal distance class: **3**

## 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: **Dry**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7.4**

Temperature indicator value: **5.6**

Moisture indicator value: **2.9**

Reaction indicator value: **8**

Nutrient indicator value: **2.6**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.54**

Disturbance frequency (herb layer): **1.5**  
 Disturbance severity: **0.51**  
 Disturbance severity (herb layer): **0.32**  
 Mowing frequency: **0.23**  
 Grazing pressure: **0.3**  
 Soil disturbance: **0.14**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CO \(ERI\) \*Erico-Pinetea\*](#), [DA \(FES\) \*Festuco-Brometea\*](#), [FP \(ONO\) \*Festuco hystricis-Ononidetea striatae\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [R16 Perennial rocky grassland of Central and South-Eastern Europe](#), [R18 Perennial rocky calcareous grassland of subatlantic-submediterranean Europe](#), [R19 Dry steppic submediterranean pasture of the Amphi-Adriatic region](#), [R1H Iberian oromediterranean basiphilous dry grassland](#), [S24 Subalpine genistoid scrub of the Amphi-Adriatic region](#), [S73 Western Mediterranean mountain hedgehog-heath](#), [T36 Temperate and submediterranean montane \*Pinus sylvestris\*-\*Pinus nigra\* forest](#)

Constant species of EUNIS habitats: [R14 Perennial rocky grassland of the Italian Peninsula](#), [R15 Continental dry rocky steppic grassland and dwarf scrub on chalk outcrops](#), [R16 Perennial rocky grassland of Central and South-Eastern Europe](#), [R18 Perennial rocky calcareous grassland of subatlantic-submediterranean Europe](#), [R19 Dry steppic submediterranean pasture of the Amphi-Adriatic region](#), [R1A Semi-dry perennial calcareous grassland \(meadow steppe\)](#), [R1B Continental dry grassland \(true steppe\)](#), [R1H Iberian oromediterranean basiphilous dry grassland](#), [R51 Thermophilous forest fringe of base-rich soils](#), [S24 Subalpine genistoid scrub of the Amphi-Adriatic region](#), [S52 Submediterranean pseudomaquis](#), [S61 Western basiphilous garrigue](#), [S73 Western Mediterranean mountain hedgehog-heath](#), [S74 Central Mediterranean mountain hedgehog-heath](#), [T36 Temperate and submediterranean montane \*Pinus sylvestris\*-\*Pinus nigra\* forest](#)

Dominant species of EUNIS habitats: [R16 Perennial rocky grassland of Central and South-Eastern Europe](#), [R18 Perennial rocky calcareous grassland of subatlantic-submediterranean Europe](#), [R19 Dry steppic submediterranean pasture of the Amphi-Adriatic region](#), [S73 Western Mediterranean mountain hedgehog-heath](#), [T36 Temperate and submediterranean montane \*Pinus sylvestris\*-\*Pinus nigra\* forest](#)

### Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline)**, **Oromediterranean scrub**, **Scrub**, **Forest**, **Sparsely vegetated (incl. rock and scree)**

## Distribution

Continentality: **6**  
 Continentality amplitude: **6**