

Carex caryophyllea

Habitus and growth type

Plant height [m]: **0.2**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte**

Leaf

Specific leaf area [mm²/mg]: **29.31**

Flower

Flowering period: **February-May**

Fruit, seed and dispersal

Seed mass [mg]: **1.15**

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**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.9**

Moisture indicator value: **4.2**

Nutrient indicator value: **2**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.23**

Disturbance frequency (herb layer): **1.89**

Disturbance severity: **0.48**

Disturbance severity (herb layer): **0.45**

Mowing frequency: **0.67**

Grazing pressure: **0.3**

Soil disturbance: **0.18**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [DA \(FES\) Festuco-Brometea](#), [FM \(PIL\) Saginetea piliferae](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [R1A Semi-dry perennial calcareous grassland \(meadow steppe\)](#), [R1J Cyrno-Sardean oromediterranean siliceous dry grassland](#)

Constant species of EUNIS habitats: [R14 Perennial rocky grassland of the Italian Peninsula](#), [R17 Heavy-metal dry grassland of the Balkans](#), [R19 Dry steppic submediterranean pasture of the Amphi-Adriatic region](#), [R1A Semi-dry perennial calcareous grassland \(meadow steppe\)](#), [R1J Cyrno-Sardean oromediterranean siliceous dry grassland](#), [R33 Mediterranean short moist grassland of mountains](#), [S34 Balkan-Anatolian submontane genistoid scrub](#)

Dominant species of EUNIS habitats: [R1J Cyrno-Sardean oromediterranean siliceous dry grassland](#)

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline)**, **Alpine-subalpine and arctic grassland**, **Scrub**, **Forest**, **Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality amplitude: **6**