Carduus nutans

Habitus and growth type

Plant height [m]: **0.79**
Life span: **Biennial or short-lived**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **17.05**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **3.42**
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: **Eutrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8**
Moisture indicator value: **3.4**
Reaction indicator value: **7.9**
Nutrient indicator value: **5.7**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.24**
Disturbance frequency (herb layer): **1.85**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

Disturbance severity: **0.61**
Disturbance severity (herb layer): **0.57**
Mowing frequency: **0.6**
Grazing pressure: **0.28**
Soil disturbance: **0.27**

Habitat and sociology

Broad habitat

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

Distribution

Continentality amplitude: **7**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz