

# *Tofieldia calyculata*

## Habitus and growth type

Plant height [m]: **0.18**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **9.41**

## Flower

Flowering period: **May-August**

## Fruit, seed and dispersal

Seed mass [mg]: **0.04**

Dispersal mode: **Local non-specific dispersal**

Dispersal distance class: **1**

## 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: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8**

Temperature indicator value: **4.2**

Moisture indicator value: **7.9**

Reaction indicator value: **8**

Nutrient indicator value: **2.2**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.82**

Disturbance frequency (herb layer): **1.17**  
Disturbance severity: **0.31**  
Disturbance severity (herb layer): **0.25**  
Mowing frequency: **0.28**  
Grazing pressure: **0.17**  
Soil disturbance: **0.07**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [PA \(SCH\) \*Scheuchzeria palustris\*-\*Caricetea fuscae\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [Q41 Alkaline, calcareous, carbonate-rich small-sedge spring fen](#), [Q43 Tall-sedge base-rich fen](#), [Q46 Carpathian travertine fen with halophytes](#)

Constant species of EUNIS habitats: [Q41 Alkaline, calcareous, carbonate-rich small-sedge spring fen](#), [Q43 Tall-sedge base-rich fen](#), [Q46 Carpathian travertine fen with halophytes](#), [U3D Wet inland cliff](#)

### Broad habitat

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

## Distribution

Continentality: **5**  
Continentality amplitude: **3**