

# *Gladiolus palustris*

## Habitus and growth type

Plant height [m]: **0.4**

Life span: **Perennial**

Life form: **Geophyte**

## Flower

Flowering period: **April-June**

## Fruit, seed and dispersal

Seed mass [mg]: **2.15**

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: **Mesic**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7.8**

Temperature indicator value: **5.8**

Moisture indicator value: **6.6**

Reaction indicator value: **7.8**

Nutrient indicator value: **2.8**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.86**

Disturbance frequency (herb layer): **2.1**

Disturbance severity: **0.43**

Disturbance severity (herb layer): **0.43**

Mowing frequency: **1.17**

Grazing pressure: **0.29**

Soil disturbance: **0.1**

## **Habitat and sociology**

Syntaxon

Diagnostic species of phytosociological classes: [CM \(MOL\) Molinio-Arrhenatheretea](#)

Broad habitat

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

## **Distribution**

Continentality: **6**

Continentality amplitude: **2**