

# *Colchicum autumnale*

## Habitus and growth type

Plant height [m]: **0.24**

Life span: **Perennial**

Life form: **Geophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **12.05**

## Flower

Flowering period: **July-September**

## Fruit, seed and dispersal

Seed mass [mg]: **6.65**

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: **Mesic**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **6.4**

Temperature indicator value: **4.9**

Reaction indicator value: **6.4**

Nutrient indicator value: **3.8**

Salinity indicator value: **0.1**

### Disturbance indicator values

Disturbance frequency: **1.01**

Disturbance frequency (herb layer): **1.88**

Disturbance severity: **0.52**

Disturbance severity (herb layer): **0.47**

Mowing frequency: **0.88**

Grazing pressure: **0.17**

Soil disturbance: **0.26**

## **Habitat and sociology**

### Syntaxon

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

### Broad habitat

Occurrence in broad habitats: **Mire, Grassland (non-alpine, non-saline), Scrub, Forest**

## **Distribution**

Continentality: **4**

Continentality amplitude: **4**