# *Orchis simia*

## Habitus and growth type

Plant height [m]: **0.27**
Life span: **Perennial**
Life form: **Geophyte**

## Leaf

Specific leaf area [$mm^2$/mg]: **24.96**

## Flower

Flowering period: **March-June**

## Fruit, seed and dispersal

Dispersal mode: **Anemochory**
Dispersal distance class: **5**

## Trophic mode

Parasitism and mycoheterotrophy: **initial or partial mycoheterotroph**
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: **Oligotrophic**
Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7.6**
Moisture indicator value: **3.6**
Reaction indicator value: **8.2**
Nutrient indicator value: **2.7**
Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.27**
Disturbance frequency (herb layer): **1.48**
Disturbance severity: **0.61**

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

Disturbance severity (herb layer): **0.27**
Mowing frequency: **0.2**
Grazing pressure: **0.25**
Soil disturbance: **0.12**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: **DA (FES) *Festuco-Brometea***

### Broad habitat

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

## Distribution

Continentality: **6**
Continentality amplitude: **5**

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