

# *Melittis melissophyllum*

## Habitus and growth type

Plant height [m]: **0.39**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **53.5**

## Flower

Flowering period: **April-August**

## Fruit, seed and dispersal

Seed mass [mg]: **6.35**

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: **Dry**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Nutrient indicator value: **3.1**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.03**

Disturbance frequency (herb layer): **1.31**

Disturbance severity: **0.68**

Disturbance severity (herb layer): **0.12**

Mowing frequency: **0.02**

Grazing pressure: **0.2**

Soil disturbance: **0.1**

## Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: [\*\*T19 Temperate and submediterranean thermophilous deciduous forest\*\*](#)

Constant species of EUNIS habitats: [\*\*T19 Temperate and submediterranean thermophilous deciduous forest\*\*](#)

Broad habitat

Occurrence in broad habitats: **Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

## Distribution

Continentality: **4**

Continentality amplitude: **4**