# *Phyteuma ovatum*

## Habitus and growth type

Plant height [m]: **0.47**
Life span: **Perennial**
Life form: **Hemicryptophyte**

## Flower

Flowering period: **May-August**

## Fruit, seed and dispersal

Seed mass [mg]: **0.15**
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: **Eutrophic**
Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7**
Temperature indicator value: **3**
Moisture indicator value: **5.7**
Reaction indicator value: **6.7**
Nutrient indicator value: **5.7**
Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.03**
Disturbance frequency (herb layer): **1.25**
Disturbance severity: **0.68**
Disturbance severity (herb layer): **0.11**

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

Mowing frequency: **0.01**
Grazing pressure: **0.2**
Soil disturbance: **0.1**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: **CS (MUL) *Mulgedio-Aconitetea***

### Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Alpine-subalpine and arctic grassland, Scrub, Forest**

## Distribution

Continentality: **4**
Continentality amplitude: **2**

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