Phyteuma orbiculare

Habitus and growth type

Plant height [m]: **0.28**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **36.1**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **0.22**
Dispersal mode: **Local non-specific dispersal**
Dispersal distance class: **1**

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 reaction relationship: **Alkaline**
Nutrient relationship: **Oligotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.8**
Temperature indicator value: **4**
Reaction indicator value: **7.8**
Nutrient indicator value: **2.3**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.65**
Disturbance frequency (herb layer): **1.24**
Disturbance severity: **0.44**

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Disturbance severity (herb layer): **0.32**
Mowing frequency: **0.2**
Grazing pressure: **0.25**
Soil disturbance: **0.12**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **CM (MOL) *Molinio-Arrhenatheretea*, CU (SES) *Elyno-Seslerietea*, DA (FES) *Festuco-Brometea***

EUNIS habitat

Diagnostic species of EUNIS habitats: **R23 Mountain hay meadow, R44 Arctic-alpine calcareous grassland, S24 Subalpine genistoid scrub of the Amphi-Adriatic region, T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest**

Constant species of EUNIS habitats: **R23 Mountain hay meadow, R44 Arctic-alpine calcareous grassland, S24 Subalpine genistoid scrub of the Amphi-Adriatic region, S26 Subalpine Pinus mugo scrub, T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest**

Broad habitat

Occurrence in broad habitats: **Mire, Grassland (non-alpine, non-saline), Alpine-subalpine and arctic grassland, Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality: **5**
Continentality amplitude: **3**

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