Gratiola officinalis

Habitus and growth type

Plant height [m]: **0.32**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **29.48**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **0.09**
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: **Wet**
Substrate reaction relationship: **Alkaline**
Nutrient relationship: **Mesotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.5**
Temperature indicator value: **6.8**
Moisture indicator value: **8.1**
Reaction indicator value: **6.4**
Nutrient indicator value: **4.6**
Salinity indicator value: **0.6**

Disturbance indicator values

Disturbance frequency: **1.66**

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Disturbance frequency (herb layer): **1.98**
Disturbance severity: **0.51**
Disturbance severity (herb layer): **0.5**
Mowing frequency: **0.74**
Grazing pressure: **0.25**
Soil disturbance: **0.13**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **CM (MOL) *Molinio-Arrhenatheretea*, OD (PHR) *Phragmito-Magnocaricetea***

EUNIS habitat

Diagnostic species of EUNIS habitats: **R34 Submediterranean moist meadow, R65 Continental subsaline alluvial pasture and meadow**
Constant species of EUNIS habitats: **R34 Submediterranean moist meadow, R65 Continental subsaline alluvial pasture and meadow**

Broad habitat

Occurrence in broad habitats: **Aquatic, Wetland, Grassland (non-alpine, non-saline), Saline vegetation**

Distribution

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

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