

# *Ligusticum mutellina*

## Habitus and growth type

Plant height [m]: **0.29**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **23**

## Flower

Flowering period: **June-August**

## Fruit, seed and dispersal

Seed mass [mg]: **3.5**

Dispersal mode: **Endozoochory**

Dispersal distance class: **6**

## 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: **Slightly acidic to near-neutral**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7.3**

Temperature indicator value: **2.3**

Moisture indicator value: **6.1**

Reaction indicator value: **5**

Nutrient indicator value: **3.5**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.1**

Disturbance frequency (herb layer): **1.29**  
Disturbance severity: **0.3**  
Disturbance severity (herb layer): **0.27**  
Mowing frequency: **0.04**  
Grazing pressure: **0.23**  
Soil disturbance: **0.1**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CU \(SES\) \*Elyno-Seslerietea\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [Q23 Relict mire of Mediterranean mountains](#),  
[R41 Snow-bed vegetation](#), [R43 Temperate acidophilous alpine grassland](#)

Constant species of EUNIS habitats: [Q23 Relict mire of Mediterranean mountains](#),  
[R41 Snow-bed vegetation](#), [R43 Temperate acidophilous alpine grassland](#), [R56 Montane to subalpine moist or wet tall-herb and fern fringe](#), [S21 Subarctic and alpine dwarf Salix scrub](#), [S25 Subalpine and subarctic deciduous scrub](#)

### Broad habitat

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

## Distribution

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