

Agrostis castellana

Habitus and growth type

Plant height [m]: **0.36**

Life span: **Perennial**

Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm²/mg]: **8.69**

Flower

Flowering period: **April-June**

Fruit, seed and dispersal

Seed mass [mg]: **0.13**

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 reaction relationship: **Acidic**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8.3**

Temperature indicator value: **7.1**

Nutrient indicator value: **2.7**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.72**

Disturbance frequency (herb layer): **1.61**

Disturbance severity: **0.47**

Disturbance severity (herb layer): **0.35**

Mowing frequency: **0.26**

Grazing pressure: **0.33**

Soil disturbance: **0.2**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [FG \(SAC\) *Stipo giganteae-Agrostietea castellanae*](#), [FM \(PIL\) *Saginetæ piliferae*](#), [GJ \(TOL\) *Tolpido azoricae-Holcetea rigidi*](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [R1T Azorean open, dry, acid to neutral grassland](#), [R24 Iberian summer pasture \(vallicar\)](#), [R33 Mediterranean short moist grassland of mountains](#), [S43 Macaronesian heath](#)

Constant species of EUNIS habitats: [R1J Cyrno-Sardean oromediterranean siliceous dry grassland](#), [R1N Open Iberian supramediterranean dry acid and neutral grassland](#), [R1T Azorean open, dry, acid to neutral grassland](#), [R24 Iberian summer pasture \(vallicar\)](#), [R33 Mediterranean short moist grassland of mountains](#), [S34 Balkan-Anatolian submontane genistoid scrub](#), [S43 Macaronesian heath](#)

Dominant species of EUNIS habitats: [R24 Iberian summer pasture \(vallicar\)](#)

Broad habitat

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