Arrhenatherum elatius

Habitus and growth type

Plant height [m]: **0.98**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **27.63**

Flower

Flowering period: **March-July**

Fruit, seed and dispersal

Seed mass [mg]: **3.06**
Dispersal mode: **Local non-specific dispersal, Anthropochory**
Dispersal distance class: **2, 7**

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: **7.8**
Temperature indicator value: **5.3**
Reaction indicator value: **6.6**
Salinity indicator value: **0.1**

Disturbance indicator values

Disturbance frequency: **1.13**
Disturbance frequency (herb layer): **1.79**
Disturbance severity: **0.53**

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Disturbance severity (herb layer): **0.48**
Mowing frequency: **0.82**
Grazing pressure: **0.17**
Soil disturbance: **0.31**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **KE (THL) *Thlaspietea rotundifolii***

EUNIS habitat

Diagnostic species of EUNIS habitats: **R22 Low and medium altitude hay meadow**
Constant species of EUNIS habitats: **R1A Semi-dry perennial calcareous grassland (meadow steppe)**, **R1J Cyrno-Sardean oromediterranean siliceous dry grassland**, **R1S Heavy-metal grassland in Western and Central Europe**, **R22 Low and medium altitude hay meadow**, **R24 Iberian summer pasture (vallicar)**, **R51 Thermophilous forest fringe of base-rich soils**, **S32 Temperate Rubus scrub**, **S33 Lowland to montane temperate and submediterranean genistoid scrub**, **S34 Balkan-Anatolian submontane genistoid scrub**, **T37 Mediterranean montane Pinus sylvestris-Pinus nigra forest**, **U72 Unvegetated or sparsely vegetated gravel bar in the Mediterranean region**, **V39 Mesic perennial anthropogenic herbaceous vegetation**
Dominant species of EUNIS habitats: **R22 Low and medium altitude hay meadow**

Broad habitat

Occurrence in broad habitats: **Wetland, Grassland (non-alpine, non-saline), Scrub, Forest, Sparsely vegetated (incl. rock and scree), Synanthropic**

Distribution

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

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