

# *Arrhenatherum elatius*

## Habitus and growth type

Plant height [m]: **0.98**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/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**

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: [R1S Heavy-metal grassland in Western and Central Europe](#), [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](#), [V39 Mesic perennial anthropogenic herbaceous vegetation](#)

### 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**