

# *Brachypodium pinnatum*

## Habitus and growth type

Plant height [m]: **0.62**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **22.91**

## Flower

Flowering period: **April-July**

## Fruit, seed and dispersal

Seed mass [mg]: **3.57**

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: **Dry**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **6.1**

Temperature indicator value: **5.1**

Moisture indicator value: **4.2**

Reaction indicator value: **7.2**

Nutrient indicator value: **4**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.53**

Disturbance frequency (herb layer): **1.58**  
Disturbance severity: **0.55**  
Disturbance severity (herb layer): **0.37**  
Mowing frequency: **0.41**  
Grazing pressure: **0.26**  
Soil disturbance: **0.13**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [BC \(BRA\) \*Brachypodio pinnati-Betuletea pendulae\*](#), [CL \(GER\) \*Trifolio-Geranietea sanguinei\*](#), [CM \(MOL\) \*Molinio-Arrhenatheretea\*](#), [DA \(FES\) \*Festuco-Brometea\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [R1A Semi-dry perennial calcareous grassland \(meadow steppe\)](#), [R51 Thermophilous forest fringe of base-rich soils](#), [T36 Temperate and submediterranean montane \*Pinus sylvestris\*-\*Pinus nigra\* forest](#), [T3H \*Larix\* light taiga](#)

Constant species of EUNIS habitats: [R1A Semi-dry perennial calcareous grassland \(meadow steppe\)](#), [R1J Cyrno-Sardean oromediterranean siliceous dry grassland](#), [R51 Thermophilous forest fringe of base-rich soils](#), [S24 Subalpine genistoid scrub of the Amphi-Adriatic region](#), [S35 Temperate and submediterranean thorn scrub](#), [S36 Low steppic scrub](#), [S52 Submediterranean pseudomaquis](#), [T19 Temperate and submediterranean thermophilous deciduous forest](#), [T1A Mediterranean thermophilous deciduous forest](#), [T36 Temperate and submediterranean montane \*Pinus sylvestris\*-\*Pinus nigra\* forest](#), [T39 Mediterranean and Balkan subalpine \*Pinus heldreichii\*-\*Pinus peuce\* forest](#), [T3H \*Larix\* light taiga](#)

Dominant species of EUNIS habitats: [R1A Semi-dry perennial calcareous grassland \(meadow steppe\)](#), [T36 Temperate and submediterranean montane \*Pinus sylvestris\*-\*Pinus nigra\* forest](#)

### Broad habitat

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

## Distribution

Continentality amplitude: **6**