Brachypodium pinnatum

Habitus and growth type

Plant height [m]: **0.62**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/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**

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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**

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