

# *Leymus arenarius*

## Habitus and growth type

Plant height [m]: **0.75**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **7.4**

## Fruit, seed and dispersal

Seed mass [mg]: **8.96**

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: **Mesic**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Slightly saline or brackish**

### Ellenberg-type indicator values

Light indicator value: **8.6**

Temperature indicator value: **5.1**

Moisture indicator value: **5.4**

Reaction indicator value: **7.2**

Nutrient indicator value: **5.6**

Salinity indicator value: **2**

### Disturbance indicator values

Disturbance frequency: **1.84**

Disturbance frequency (herb layer): **2**

Disturbance severity: **0.47**

Disturbance severity (herb layer): **0.46**

Mowing frequency: **0.09**

Grazing pressure: **0.16**

Soil disturbance: **0.66**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [JE \(HON\) \*Honckenyo peploidis-Leymetea arenarii\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [N11 Atlantic, Baltic and Arctic sand beach](#), [N13 Atlantic and Baltic shifting coastal dune](#), [N21 Atlantic, Baltic and Arctic coastal shingle beach](#)

Constant species of EUNIS habitats: [N11 Atlantic, Baltic and Arctic sand beach](#), [N13 Atlantic and Baltic shifting coastal dune](#), [N21 Atlantic, Baltic and Arctic coastal shingle beach](#)

Dominant species of EUNIS habitats: [N13 Atlantic and Baltic shifting coastal dune](#)

### Broad habitat

Occurrence in broad habitats: **Coastal beach, dune or shingle**

## Distribution

Continentality amplitude: **5**