

# *Eryngium maritimum*

## Habitus and growth type

Plant height [m]: **0.33**  
Life span: **Perennial**  
Life form: **Hemicryptophyte**  
Spinescence: **spinescent**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **10.64**

## Flower

Flowering period: **May-September**

## Fruit, seed and dispersal

Seed mass [mg]: **22.01**  
Dispersal mode: **Anemochory**  
Dispersal distance class: **4**

## 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: **Slightly saline or brackish**

### Ellenberg-type indicator values

Light indicator value: **8.8**  
Moisture indicator value: **4.3**  
Reaction indicator value: **7**  
Salinity indicator value: **3.4**  
Disturbance indicator values  
Disturbance frequency: **1.91**  
Disturbance frequency (herb layer): **2.04**

Disturbance severity: **0.44**

Disturbance severity (herb layer): **0.43**

Mowing frequency: **0.03**

Grazing pressure: **0.13**

Soil disturbance: **0.71**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [JD \(AMM\) \*Ammophiletea arundinaceae\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [N12 Mediterranean and Black Sea sand beach](#), [N13 Atlantic and Baltic shifting coastal dune](#), [N14 Mediterranean, Macaronesian and Black Sea shifting coastal dune](#), [N16 Mediterranean and Macaronesian coastal dune grassland \(grey dune\)](#), [N17 Black Sea coastal dune grassland \(grey dune\)](#), [N22 Mediterranean and Black Sea coastal shingle beach](#)

Constant species of EUNIS habitats: [N12 Mediterranean and Black Sea sand beach](#), [N13 Atlantic and Baltic shifting coastal dune](#), [N14 Mediterranean, Macaronesian and Black Sea shifting coastal dune](#), [N16 Mediterranean and Macaronesian coastal dune grassland \(grey dune\)](#), [N17 Black Sea coastal dune grassland \(grey dune\)](#), [N21 Atlantic, Baltic and Arctic coastal shingle beach](#), [N22 Mediterranean and Black Sea coastal shingle beach](#)

### Broad habitat

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

## Distribution

Continentality amplitude: 5