

# ***Plantago macrorhiza***

## **Habitus and growth type**

Plant height [m]: **0.13**

Life span: **Perennial**

Life form: **Chamaephyte, Hemicryptophyte**

## **Flower**

Flowering period: **April-October**

## **Fruit, seed and dispersal**

Seed mass [mg]: **0.23**

Dispersal mode: **Local non-specific dispersal**

Dispersal distance class: **1**

## **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: **9**

Temperature indicator value: **9.5**

Moisture indicator value: **4**

Reaction indicator value: **7.5**

Nutrient indicator value: **4.5**

Salinity indicator value: **4**

### **Disturbance indicator values**

Disturbance frequency: **0.95**

Disturbance frequency (herb layer): **1**

Disturbance severity: **0.36**

Disturbance severity (herb layer): **0.33**

Mowing frequency: **0.05**

Grazing pressure: **0.14**

Soil disturbance: **0.33**

## **Habitat and sociology**

EUNIS habitat

Diagnostic species of EUNIS habitats: [\*\*N32 Mediterranean and Black Sea rocky sea cliff and shore\*\*](#)

Broad habitat

Occurrence in broad habitats: **Coastal beach, dune or shingle, Coastal cliff, Scrub, Sparsely vegetated (incl. rock and scree)**