

# *Odontarrhena tortuosa*

## Habitus and growth type

Life span: **Perennial**

Life form: **Chamaephyte, Hemicryptophyte**

## Fruit, seed and dispersal

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: **Dystrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8.6**

Moisture indicator value: **2.7**

Reaction indicator value: **9**

Nutrient indicator value: **1**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.57**

Disturbance frequency (herb layer): **1.73**

Disturbance severity: **0.46**

Disturbance severity (herb layer): **0.45**

Mowing frequency: **0.49**

Grazing pressure: **0.39**

Soil disturbance: **0.21**

## Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: [U2A Crimean base-rich scree](#)

Constant species of EUNIS habitats: [R11 Pannonian and Pontic sandy steppe](#), [R15 Continental dry rocky steppic grassland and dwarf scrub on chalk outcrops](#), [R1C Desert steppe](#), [U2A Crimean base-rich scree](#)

Broad habitat

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