

# *Asparagus officinalis*

## Habitus and growth type

Plant height [m]: **0.93**

Life span: **Perennial**

Life form: **Geophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **16.54**

## Flower

Flowering period: **April-June**

## Fruit, seed and dispersal

Seed mass [mg]: **95.67**

Dispersal mode: **Endozoochory, Anthropochory**

Dispersal distance class: **6, 7**

## 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: **Slightly acidic to near-neutral**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **7**

Temperature indicator value: **6.7**

Moisture indicator value: **3.8**

Reaction indicator value: **6**

Nutrient indicator value: **4.3**

Salinity indicator value: **0.4**

### Disturbance indicator values

Disturbance frequency: **0.77**

Disturbance frequency (herb layer): **1.61**  
Disturbance severity: **0.53**  
Disturbance severity (herb layer): **0.42**  
Mowing frequency: **0.37**  
Grazing pressure: **0.25**  
Soil disturbance: **0.19**

### **Habitat and sociology**

EUNIS habitat

Constant species of EUNIS habitats: [R65 Continental subsaline alluvial pasture and meadow](#), [S36 Low steppic scrub](#)

Broad habitat

Occurrence in broad habitats: **Coastal beach, dune or shingle, Grassland (non-alpine, non-saline), Saline vegetation, Semi-desert, Scrub, Forest, Synanthropic**

### **Distribution**

Continentality amplitude: 7