

# *Olea europaea*

## Habitus and growth type

Plant height [m]: **7.44**

Life span: **Perennial**

Life form: **Phanerophyte, Tree, Shrub**

Spinescence: **spinescent**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **5.87**

## Flower

Flowering period: **March-June**

## Fruit, seed and dispersal

Seed mass [mg]: **148.07**

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: **Eutrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **8**

Temperature indicator value: **9.7**

Moisture indicator value: **3.3**

Reaction indicator value: **6.7**

Nutrient indicator value: **5.4**

Salinity indicator value: **0.3**

### Disturbance indicator values

Disturbance frequency: **0.24**  
Disturbance frequency (herb layer): **1.44**  
Disturbance severity: **0.71**  
Disturbance severity (herb layer): **0.26**  
Mowing frequency: **0.02**  
Grazing pressure: **0.29**  
Soil disturbance: **0.14**

## **Habitat and sociology**

### EUNIS habitat

Diagnostic species of EUNIS habitats: [S54 Thermomediterranean arid scrub](#), [T24 Olea europaea-Ceratonia siliqua forest](#)

Constant species of EUNIS habitats: [S51 Mediterranean maquis and arborescent matorral](#), [S54 Thermomediterranean arid scrub](#), [S63 Eastern garrigue](#), [S72 Eastern Mediterranean spiny heath \(phrygana\)](#), [T24 Olea europaea-Ceratonia siliqua forest](#), [T3A Mediterranean lowland to submontane Pinus forest](#), [T3D Mediterranean Cupressaceae forest](#)

### Broad habitat

Occurrence in broad habitats: **Scrub, Forest, Sparsely vegetated (incl. rock and scree)**