

# ***Buxus sempervirens***

## **Habitus and growth type**

Plant height [m]: **3.42**

Life span: **Perennial**

Life form: **Phanerophyte, Shrub**

Spinescence: **not spinescent**

## **Leaf**

Leaf type (woody plants only): **Sclerophyllous**

Leaf phenology (woody plants only): **Evergreen**

Specific leaf area [mm<sup>2</sup>/mg]: **6.36**

## **Flower**

Flowering period: **February-April**

## **Fruit, seed and dispersal**

Seed mass [mg]: **12.06**

Dispersal mode: **Endozoochory**

Dispersal distance class: **6**

## **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: **Non-saline**

### **Ellenberg-type indicator values**

Light indicator value: **4.8**

Temperature indicator value: **7.8**

Moisture indicator value: **4**

Reaction indicator value: **8**

Nutrient indicator value: **4.2**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.14**

Disturbance frequency (herb layer): **1.25**

Disturbance severity: **0.65**

Disturbance severity (herb layer): **0.18**

Mowing frequency: **0.05**

Grazing pressure: **0.25**

Soil disturbance: **0.11**

## Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [CB \(PUB\) Quercetea pubescentis](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [S52 Submediterranean pseudomauis](#), [S73 Western Mediterranean mountain hedgehog-heath](#)

Constant species of EUNIS habitats: [R18 Perennial rocky calcareous grassland of subatlantic-submediterranean Europe](#), [S52 Submediterranean pseudomauis](#), [S61 Western basiphilous garrigue](#), [S73 Western Mediterranean mountain hedgehog-heath](#), [T1A Mediterranean thermophilous deciduous forest](#), [T21 Mediterranean evergreen Quercus forest](#), [T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest](#), [T37 Mediterranean montane Pinus sylvestris-Pinus nigra forest](#), [T39 Mediterranean and Balkan subalpine Pinus heldreichii-Pinus peuce forest](#)

Dominant species of EUNIS habitats: [S52 Submediterranean pseudomauis](#)

Broad habitat

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

## Distribution

Continentality: **4**

Continentality amplitude: **2**