

# ***Pinales***

## **Habitus and growth type**

Plant height [m]: **31.69**

Life span: **Perennial**

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

Spinescence: **spinescent**

## **Leaf**

Leaf type (woody plants only): **Needle-like**

Leaf phenology (woody plants only): **Evergreen, Winter deciduous**

Specific leaf area [mm<sup>2</sup>/mg]: **7.56**

## **Fruit, seed and dispersal**

Seed mass [mg]: **64.46**

## **Trophic mode**

Carnivory: **non-carnivorous**

## **Taxon origin**

Origin in Europe: **native, neophyte**

## **Ecology**

### **Environmental relationships**

Substrate humidity relationship: **Dry, Mesic, Wet**

Substrate reaction relationship: **Acidic, Slightly acidic to near-neutral, Alkaline**

Nutrient relationship: **Oligotrophic, Mesotrophic, Eutrophic**

Salinity relationship: **Non-saline, Slightly saline or brackish**

## **Habitat and sociology**

### **Broad habitat**

Occurrence in broad habitats: **Coastal beach, dune or shingle, Coastal cliff, Mire, Grassland (non-alpine, non-saline), Alpine-subalpine and arctic grassland, Heathland, Oromediterranean scrub, Scrub, Forest, Sparsely vegetated (incl. rock and scree), Synanthropic**