

Malus pumila

Habitus and growth type

Plant height [m]: **9.51**

Life span: **Perennial**

Life form: **Phanerophyte, Tree**

Leaf

Leaf type (woody plants only): **Broad deciduous or semi-deciduous**

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

Specific leaf area [mm²/mg]: **25.84**

Flower

Flowering period: **March-May**

Fruit, seed and dispersal

Seed mass [mg]: **26.74**

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: **archeophyte**

Ecology

Environmental relationships

Substrate humidity relationship: **Mesic**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.2**

Temperature indicator value: **6.3**

Moisture indicator value: **4.9**

Reaction indicator value: **6.1**

Nutrient indicator value: **5.3**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.22**

Disturbance frequency (herb layer): **1.45**

Disturbance severity: **0.68**

Disturbance severity (herb layer): **0.27**

Mowing frequency: **0.13**

Grazing pressure: **0.19**

Soil disturbance: **0.17**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [CD \(RHA\) Crataego-Prunetea](#)

Broad habitat

Occurrence in broad habitats: **Scrub**

Distribution

Continentality: 7

Continentality amplitude: 4