

Crataegus monogyna

Habitus and growth type

Plant height [m]: **6.03**

Life span: **Perennial**

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

Spinescence: **spinescent**

Leaf

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

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

Specific leaf area [mm²/mg]: **12.41**

Flower

Flowering period: **March-May**

Fruit, seed and dispersal

Seed mass [mg]: **234.7**

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: **Mesic**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7**

Moisture indicator value: **4.4**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.13**

Disturbance frequency (herb layer): **1.34**
 Disturbance severity: **0.66**
 Disturbance severity (herb layer): **0.18**
 Mowing frequency: **0.05**
 Grazing pressure: **0.21**
 Soil disturbance: **0.11**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [CB \(PUB\) *Quercetea pubescentis*](#), [CD \(RHA\) *Crataego-Prunetea*](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [S35 Temperate and submediterranean thorn scrub](#), [S37 *Corylus avellana* scrub](#), [T19 Temperate and submediterranean thermophilous deciduous forest](#)

Constant species of EUNIS habitats: [N1A Atlantic and Baltic coastal dune scrub](#), [N1D Atlantic and Baltic broad-leaved coastal dune forest](#), [S35 Temperate and submediterranean thorn scrub](#), [S36 Low steppic scrub](#), [S37 *Corylus avellana* scrub](#), [S38 Temperate forest clearing scrub](#), [S52 Submediterranean pseudomaquis](#), [S53 *Spartium junceum* scrub](#), [T11 Temperate *Salix* and *Populus* riparian forest](#), [T13 Temperate hardwood riparian forest](#), [T14 Mediterranean and Macaronesian riparian forest](#), [T17 Fagus forest on non-acid soils](#), [T19 Temperate and submediterranean thermophilous deciduous forest](#), [T1A Mediterranean thermophilous deciduous forest](#), [T1D Southern European mountain *Betula* and *Populus tremula* forest on mineral soils](#), [T1E *Carpinus* and *Quercus* mesic deciduous forest](#), [T1F Ravine forest](#), [T1G *Alnus cordata* forest](#), [T1H Broadleaved deciduous plantation of non site-native trees](#), [T21 Mediterranean evergreen *Quercus* forest](#), [T22 Mainland laurophyllous forest](#), [T27 *Ilex aquifolium* forest](#), [T33 Mediterranean mountain *Abies* forest](#), [T36 Temperate and submediterranean montane *Pinus sylvestris*-*Pinus nigra* forest](#), [T37 Mediterranean montane *Pinus sylvestris*-*Pinus nigra* forest](#), [T3A Mediterranean lowland to submontane *Pinus* forest](#), [T3C *Taxus baccata* forest](#), [T3M Coniferous plantation of non site-native trees](#)

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Scrub, Forest**

Distribution

Continentality amplitude: **6**