

# *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 [mm<sup>2</sup>/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: **[N1D Atlantic and Baltic broad-leaved coastal dune forest](#)**, **[S35 Temperate and submediterranean thorn scrub](#)**, **[S37 Corylus avellana scrub](#)**, **[T19 Temperate and submediterranean thermophilous deciduous forest](#)**, **[T1A Mediterranean thermophilous deciduous forest](#)**, **[T1E Carpinus and Quercus mesic deciduous forest](#)**, **[T1G Alnus cordata forest](#)**

Constant species of EUNIS habitats: **[N1A Atlantic and Baltic coastal dune scrub](#)**, **[N1D Atlantic and Baltic broad-leaved coastal dune forest](#)**, **[S33 Lowland to montane temperate and submediterranean genistoid scrub](#)**, **[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](#)**, **[T36 Temperate and submediterranean montane Pinus sylvestris-Pinus nigra forest](#)**, **[T37 Mediterranean montane Pinus sylvestris-Pinus nigra forest](#)**, **[T3C Taxus baccata forest](#)**, **[T3M Coniferous plantation of non site-native trees](#)**

Dominant species of EUNIS habitats: **[N1D Atlantic and Baltic broad-leaved coastal dune forest](#)**, **[S35 Temperate and submediterranean thorn scrub](#)**

### Broad habitat

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

## Distribution

Continentality amplitude: **6**