

# *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: [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**