

# *Gleditsia triacanthos*

## Habitus and growth type

Plant height [m]: **25.16**

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 [mm<sup>2</sup>/mg]: **24.81**

## Flower

Flowering period: **April-May**

## Fruit, seed and dispersal

Seed mass [mg]: **185.2**

Dispersal mode: **Endozoochory, Anthropochory**

Dispersal distance class: **6, 7**

## Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **unlikely symbiosis with rhizobia**

## Taxon origin

Origin in Europe: **neophyte**

## Ecology

Environmental relationships

Substrate humidity relationship: **Mesic**

Substrate reaction relationship: **Slightly acidic to near-neutral**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.5**

Temperature indicator value: **7**

Moisture indicator value: **5.1**

Reaction indicator value: **5**

Nutrient indicator value: **5**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.16**

Disturbance frequency (herb layer): **1.42**

Disturbance severity: **0.76**

Disturbance severity (herb layer): **0.28**

Mowing frequency: **0.08**

Grazing pressure: **0.2**

Soil disturbance: **0.22**

### Habitat and sociology

Broad habitat

Occurrence in broad habitats: **Wetland, Scrub**