

# *Tilia cordata*

## Habitus and growth type

Plant height [m]: **22.57**

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]: **23.94**

## Flower

Flowering period: **April-June**

## Fruit, seed and dispersal

Seed mass [mg]: **42.83**

Dispersal mode: **Anemochory, Anthropochory**

Dispersal distance class: **4, 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: **Slightly acidic to near-neutral**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **4.9**

Temperature indicator value: **5.7**

Moisture indicator value: **5.1**

Reaction indicator value: **6.3**

Nutrient indicator value: **4.9**

Salinity indicator value: **0**

## Disturbance indicator values

Disturbance frequency: **0.04**

Disturbance frequency (herb layer): **1.33**

Disturbance severity: **0.7**

Disturbance severity (herb layer): **0.14**

Mowing frequency: **0.01**

Grazing pressure: **0.19**

Soil disturbance: **0.11**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [CA \(FAG\) Carpino-Fagetetea sylvaticae](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T1E Carpinus and Quercus mesic deciduous forest](#)

Constant species of EUNIS habitats: [T1E Carpinus and Quercus mesic deciduous forest](#), [T1F Ravine forest](#)

### Broad habitat

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

## Distribution

Continentality: **5**

Continentality amplitude: **4**