

# *Tilia platyphyllos*

## Habitus and growth type

Plant height [m]: **29.87**

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]: **21.83**

## Flower

Flowering period: **April-June**

## Fruit, seed and dispersal

Seed mass [mg]: **139.35**

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: **Alkaline**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Temperature indicator value: **5.9**

Moisture indicator value: **5.1**

Reaction indicator value: **7.3**

Nutrient indicator value: **6.3**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.05**  
Disturbance frequency (herb layer): **1.31**  
Disturbance severity: **0.7**  
Disturbance severity (herb layer): **0.15**  
Mowing frequency: **0**  
Grazing pressure: **0.16**  
Soil disturbance: **0.1**

## Habitat and sociology

### Syntaxon

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

### EUNIS habitat

Diagnostic species of EUNIS habitats: [T1F Ravine forest](#), [T3C \*Taxus baccata\* forest](#)

Constant species of EUNIS habitats: [T1F Ravine forest](#), [T3C \*Taxus baccata\* forest](#)

Dominant species of EUNIS habitats: [T1F Ravine forest](#)

### Broad habitat

Occurrence in broad habitats: **Wetland, Forest, Sparsely vegetated (incl. rock and scree)**

## Distribution

Continentality: **5**  
Continentality amplitude: **3**