

# *Urtica dioica*

## Habitus and growth type

Plant height [m]: **1.16**

Life span: **Perennial**

Life form: **Hemicryptophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **29.12**

## Flower

Flowering period: **April-November**

## Fruit, seed and dispersal

Seed mass [mg]: **0.16**

Dispersal mode: **Local non-specific dispersal, Anthropochory**

Dispersal distance class: **2, 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: **Hypertrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **6.2**

Temperature indicator value: **5.5**

Reaction indicator value: **6.9**

Nutrient indicator value: **8.5**

Salinity indicator value: **0.1**

### Disturbance indicator values

Disturbance frequency: **0.44**

Disturbance frequency (herb layer): **1.39**

Disturbance severity: **0.61**

Disturbance severity (herb layer): **0.39**

Mowing frequency: **0.25**

Grazing pressure: **0.19**

Soil disturbance: **0.18**

## Habitat and sociology

### EUNIS habitat

Diagnostic species of EUNIS habitats: [N1D Atlantic and Baltic broad-leaved coastal dune forest](#), [R55 Lowland moist or wet tall-herb and fern fringe](#), [R57 Herbaceous forest clearing vegetation](#), [S32 Temperate Rubus scrub](#), [S38 Temperate forest clearing scrub](#), [T11 Temperate Salix and Populus riparian forest](#), [T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils](#), [T13 Temperate hardwood riparian forest](#), [T1F Ravine forest](#), [T1H Broadleaved deciduous plantation of non site-native trees](#), [V39 Mesic perennial anthropogenic herbaceous vegetation](#)

Constant species of EUNIS habitats: [N1A Atlantic and Baltic coastal dune scrub](#), [N1D Atlantic and Baltic broad-leaved coastal dune forest](#), [Q61 Periodically exposed shore with stable, eutrophic sediments with pioneer or ephemeral vegetation](#), [R54 Pteridium aquilinum vegetation](#), [R55 Lowland moist or wet tall-herb and fern fringe](#), [R56 Montane to subalpine moist or wet tall-herb and fern fringe](#), [R57 Herbaceous forest clearing vegetation](#), [S25 Subalpine and subarctic deciduous scrub](#), [S32 Temperate Rubus scrub](#), [S35 Temperate and submediterranean thorn scrub](#), [S37 Corylus avellana scrub](#), [S38 Temperate forest clearing scrub](#), [S91 Temperate riparian scrub](#), [S92 Salix fen scrub](#), [T11 Temperate Salix and Populus riparian forest](#), [T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils](#), [T13 Temperate hardwood riparian forest](#), [T15 Broadleaved swamp forest on non-acid peat](#), [T17 Fagus forest on non-acid soils](#), [T1E Carpinus and Quercus mesic deciduous forest](#), [T1F Ravine forest](#), [T1G Alnus cordata forest](#), [T1H Broadleaved deciduous plantation of non site-native trees](#), [V37 Annual anthropogenic herbaceous vegetation](#), [V38 Dry perennial anthropogenic herbaceous vegetation](#), [V39 Mesic perennial anthropogenic herbaceous vegetation](#)

Dominant species of EUNIS habitats: [R55 Lowland moist or wet tall-herb and fern fringe](#), [R57 Herbaceous forest clearing vegetation](#), [S38 Temperate forest clearing scrub](#), [S91 Temperate riparian scrub](#), [T11 Temperate Salix and Populus riparian forest](#), [T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils](#), [T13 Temperate hardwood riparian forest](#), [T1H Broadleaved deciduous plantation of non site-native trees](#), [V39 Mesic perennial anthropogenic herbaceous vegetation](#)

### Broad habitat

Occurrence in broad habitats: **Spring, Wetland, Grassland (non-alpine, non-saline), Alpine-subalpine and arctic grassland, Scrub, Forest, Sparsely vegetated (incl. rock and scree), Synanthropic**

## Distribution

Continentality amplitude: **8**