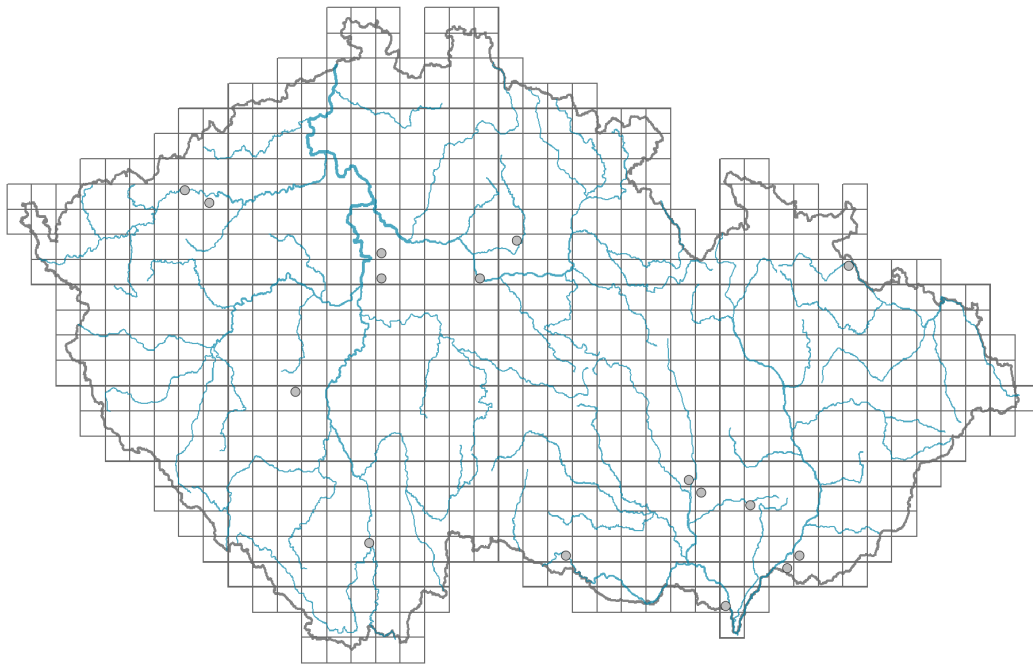


# *Carthamus tinctorius*

## Distribution



© Pavel Veselý

### Map info

● revised records

○ unrevised records

On the map are not visualized records without the coordinates and records marked as incorrect or doubtful.

## Habitus and growth type

Height [m]: **0.4-1**Growth form: **annual herb**Life form: **therophyte**Life strategy: **CR - competitor/ruderal**Life strategy (Pierce method based on leaf traits): **C/CR**Life strategy (Pierce method, C-score): **18.1 %**Life strategy (Pierce method, S-score): **41.9 %**Life strategy (Pierce method, R-score): **40 %**

## Leaf

Leaf presence and metamorphosis: **leaves present, not modified**Leaf arrangement (phyllotaxis): **alternate**Leaf shape: **simple - entire**Stipules: **absent**Petiole: **both present and absent**Leaf life span: **summer green**Leaf anatomy: **scleromorphic**

## Flower

Flowering period [month]: **June-September**

© Dana Michalová



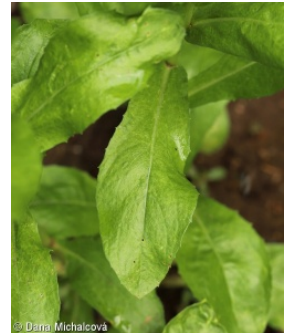
© Dana Michalová

Flower colour: **yellow, orange**  
 Flower symmetry: **actinomorphic**  
 Perianth type: **calyx sometimes absent, corolla present**  
 Perianth fusion: **fused**  
 Shape of the sympetalous corolla or syntepalous perianth: **tubular**  
 Calyx fusion: **pappus**  
 Inflorescence type: **anthodium solitarium**  
 Dicliny: **synoecious**  
 Generative reproduction type: **facultative autogamy**  
 Pollination syndrome: **selfing**



### Fruit, seed and dispersal

Fruit type: **dry fruit - achene/cypsela/samara**  
 Fruit colour: **white, yellow**  
 Reproduction type: **only by seed/spores**  
 Myrmecochory: **probably non-myrmecochorous**



### Belowground organs and clonality

Shoot life span (cyclicality): **monocyclic shoots prevailing**  
 Primary root: **present**  
 Bud bank  
 Number of buds per shoot at the soil surface (root buds excluded): **5**  
 Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **0**  
 Number of buds per shoot at a depth greater than 10 cm (root buds excluded): **0**  
 Size of the belowground bud bank (root buds excluded): **5**  
 Depth of the belowground bud bank (root buds excluded) [cm]: **1**  
 Number of buds per shoot at the soil surface (root buds included): **5**  
 Number of buds per shoot at a depth of 0–10 cm (root buds included): **0**  
 Number of buds per shoot at a depth greater than 10 cm (root buds included): **0**  
 Size of the belowground bud bank (root buds included): **5**  
 Depth of the belowground bud bank (root buds included) [cm]: **1**



### Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**  
 Carnivory: **non-carnivorous**  
 Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**



### Taxon origin

Origin in the Czech Republic: **archaeophyte/neophyte**  
 Invasion status: **casual**  
 Geographic origin: **Mediterranean**  
 Year of the first record in the wild: **1876**  
 Period of introduction: **Late Middle Ages and Early Modern Period (merged category, 1200-1800)**  
 Introduction pathway: **intentional - other**

## Habitat and sociology

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **0 - taxon that does not spontaneously occur in Czech forests**

Affinity to the forest environment in Mesophyticum and Oreophyticum: **0 - taxon that does not spontaneously occur in Czech forests**

## Distribution and frequency

Floristic zone: **meridional**

Floristic region: **Near East**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 16

taxon.data.freq\_in\_quad: 16

## Threats and protection

Red List 2017 (national categories): **taxon is not on the Red List**

Red List 2017 (IUCN categories): **LC(NA) - least concern (taxon is not on the Red List)**

Legal protection: **not protected by law**

