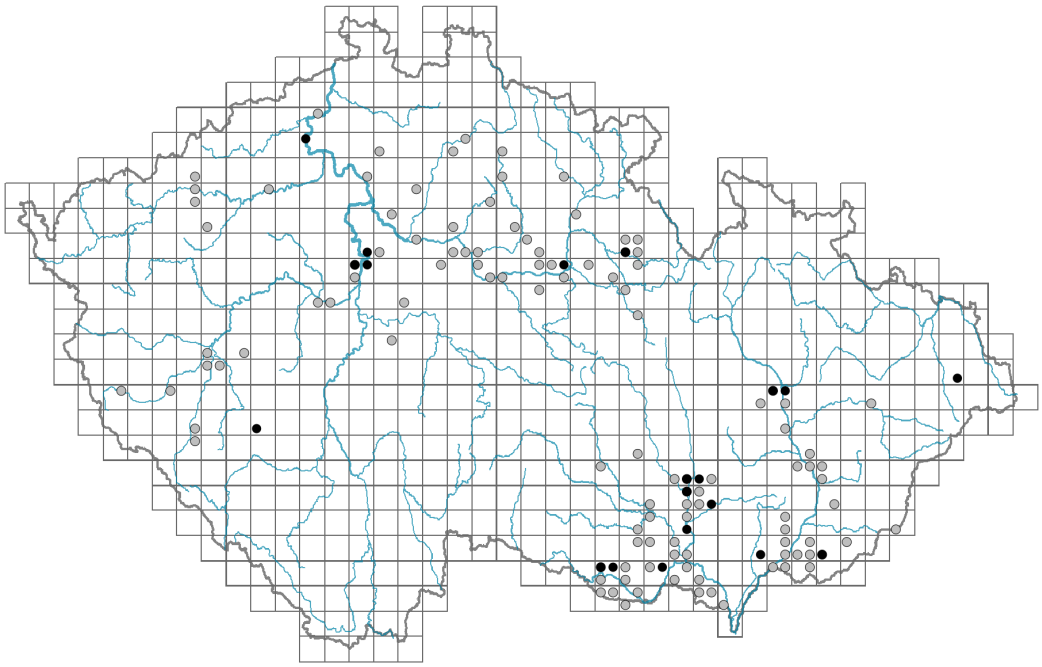
Morus alba

Distribution



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]: **5–17**
Growth form: **tree**
Life form: **macrophanerophyte**
Life strategy (Pierce method based on leaf traits): **CS**
Life strategy (Pierce method, C-score): **49.6 %**
Life strategy (Pierce method, S-score): **39.7 %**
Life strategy (Pierce method, R-score): **10.8 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **alternate**
Leaf shape: **simple – entire, simple – palmately divided**
Stipules: **present**
Petiole: **present**
Leaf deciduousness in woody plants: **winter deciduous**
Functional leaf type in woody plants: **broad deciduous or semi-deciduous**

Flower

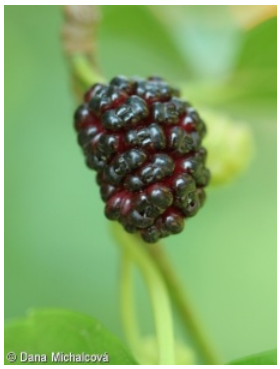
Flowering period [month]: **May–June**
Flower colour: **green**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

Perianth type: **reduced**
Perianth fusion: **reduced**
Inflorescence type: **capitulum e floribus femineis compositum, amentum e floribus masculis**

Fruit, seed and dispersal

Fruit type: **fleshy fruit – special type**
Fruit colour: **white, yellow, violet, red**
Dispersal unit (diaspore): **seed, fruit, infrutescence or its part**
Dispersal strategy: **Cornus (mainly autochory and endozoochory)**
Myrmecochory: **non-myrmecochorous (b)**



Belowground organs and clonality

Position of root buds: **lateral roots**
Role of root buds in life-history of a plant: **additive**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **0**
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): **0**
Number of buds per shoot at the soil surface (root buds included): **0**
Number of buds per shoot at a depth of 0–10 cm (root buds included): **15**
Number of buds per shoot at a depth greater than 10 cm (root buds included): **15**
Size of the belowground bud bank (root buds included): **30**
Depth of the belowground bud bank (root buds included) [cm]: **10**

Trophic mode

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

Karyology

Chromosome number (2n): **28**
Ploidy level (x): **2**
2C genome size [Mbp]: **627.38**
1Cx monoploid genome size [Mbp]: **313.69**
Genomic GC content: **36 %**

Taxon origin

Origin in the Czech Republic: **neophyte**
Invasion status: **casual**
Geographic origin: **Asia**
Year of the first record in the wild: **2012**
Period of introduction: **Early Modern Period (1500–1800)**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz

Introduction pathway: **intentional – crops**

Habitat and sociology

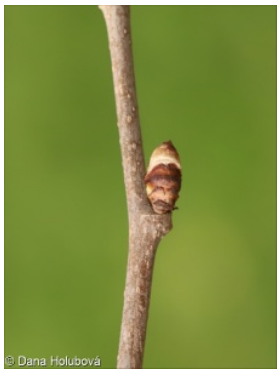
Affinity to the forest environment

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**

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**

© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz



© 2014–2026 Pladias – Citation: Pladias – Database of the Czech Flora and Vegetation. www.pladias.cz