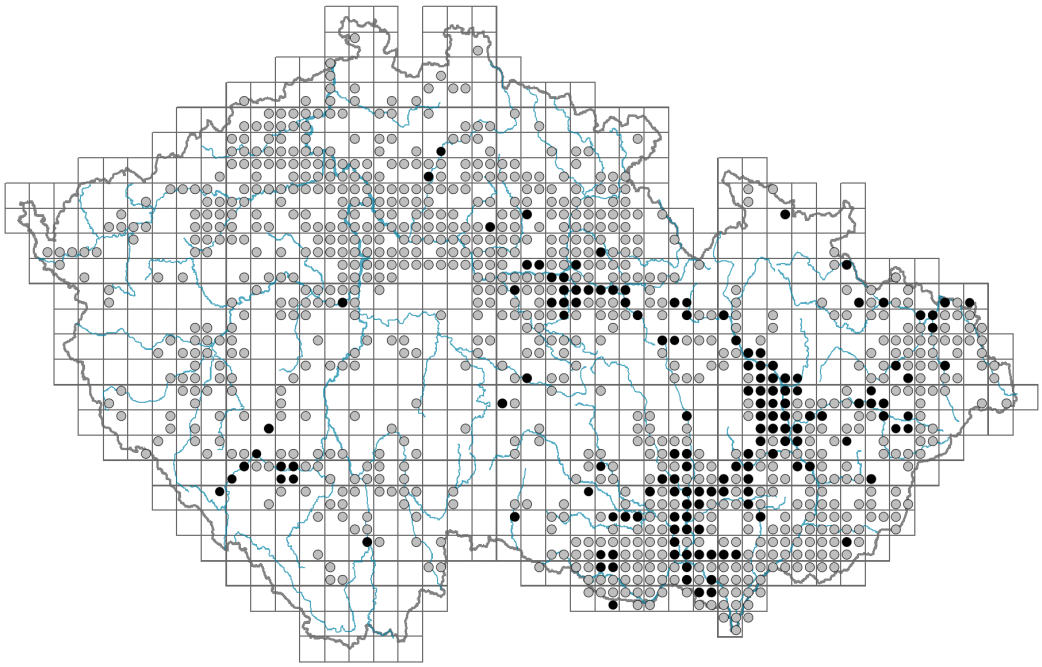
Acer negundo

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]: **10–20**
Growth form: **tree**
Life form: **macrophanerophyte**
Life strategy: **C – competitor**
Life strategy (Pierce method based on leaf traits): **C/CSR**
Life strategy (Pierce method, C-score): **50.4 %**
Life strategy (Pierce method, S-score): **23.3 %**
Life strategy (Pierce method, R-score): **26.3 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **opposite**
Leaf shape: **compound – imparipinnate**
Stipules: **absent**
Petiole: **present**
Leaf life span: **summer green**
Leaf deciduousness in woody plants: **winter deciduous**
Leaf anatomy: **mesomorphic**
Functional leaf type in woody plants: **broad deciduous or semi-deciduous**

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Flower



Flowering period [month]: **March–April**
Flower colour: **yellow-green**
Perianth type: **flower achlamydeous**
Calyx fusion: **aposepalous**
Inflorescence type: **racemus e floribus femineis compositus, fasciculus e floribus masculis compositus**
Dicliny: **dioecious**
Generative reproduction type: **allogamy**
Pollination syndrome: **wind-pollination**



Fruit, seed and dispersal

Fruit type: **dry fruit – double samara**
Fruit colour: **brown**
Reproduction type: **by seed/spores and vegetatively**
Dispersal unit (diaspore): **fruit, infrutescence or its part**
Dispersal strategy: **Epilobium (mainly anemochory and autochory)**
Myrmecochory: **non-myrmecochorous (b)**



Belowground organs and clonality

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): **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): **0**



Trophic mode

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



Karyology

Chromosome number (2n): **26**
Ploidy level (x): **2**
2C genome size [Mbp]: **906.36**
1Cx monoploid genome size [Mbp]: **453.18**
Genomic GC content: **37.2 %**

Taxon origin



Origin in the Czech Republic: **neophyte**
Invasion status: **invasive**
Geographic origin: **North America**
Year of the first record in the wild: **1875**
Period of introduction: **Late Modern Period (1800–1950)**
Introduction pathway: **intentional – ornamental, intentional – forest, intentional – landscaping**

Ecological indicator values



Ellenberg-type indicator values

Light indicator value: **6 – transition between values 5 and 7; rarely at less than 20% of diffuse radiation incident in an open area**
Temperature indicator value: **6 – transition between values 5 and 7**
Moisture indicator value: **6 – transition between values 5 and 7**
Reaction indicator value: **7 – indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**
Nutrient indicator value: **7 – occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites**
Salinity indicator value: **1 – salt tolerant, mostly on low-salt to salt-free soils, but occasionally on slightly salty soils**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.53**
Herb layer disturbance frequency indicator value: **-0.92**
Whole-community disturbance severity indicator value: **0.34**
Herb layer disturbance severity indicator value: **0.27**
Whole-community structure based disturbance indicator value: **0.11**
Herb layer structure-based disturbance indicator value: **0.15**

Habitat and sociology

Occurrence in habitats

4 Wetland and riverine herbaceous vegetation

4L Nitrophilous herbaceous fringes of lowland rivers: **1 – rare occurrence**

11 Heathlands and scrub

11J Willow galleries of loamy and sandy river banks: **2 – optimum**
11R Scrub and pioneer woodland of forests clearings: **2 – optimum**

12 Forests

12B Alluvial forests: **2 – optimum**
12U Plantations of broad-leaved non-native trees: **3 – dominant**

13 Anthropogenic vegetation

13A Annual vegetation of ruderal habitats: **1 – rare occurrence**
13E Perennial nitrophilous herbaceous vegetation of mesic sites: **1 – rare occurrence**
13F Herbaceous vegetation of forests clearings and Rubus scrub: **1 – rare occurrence**

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **2.2 – taxon occurring partly in**

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the forest, but mainly in open vegetation

Diagnostic taxon

Diagnostic taxon of alliances: **KBD *Aegopodio podagrariae-Sambucion nigrae***

Diagnostic taxon of associations: **KAC01 *Salicetum albae***, **KBD03 *Sambuco nigrae-Aceretum negundo***, **LBA07 *Fraxino pannonicae-Ulmetum glabrae***

Constant taxon

Constant taxon of associations: **KBD03 *Sambuco nigrae-Aceretum negundo***

Dominant taxon

Dominant taxon of associations: **KBD03 *Sambuco nigrae-Aceretum negundo***

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.6**

Ecological specialization index for non-forest vegetation: **4.7**

Ecological specialization index for forest vegetation: **5.2**

Colonization ability

Index of colonization success (ICS): **5**

Index of colonization potential (ICP): **9**

Optimum successional age [years]: **27.5**

Distribution and frequency

Floristic zone: **northern temperate, southern temperate, submeridional, meridional**

Floristic region: **Americas**

Continentality degree: **6**

Distribution range extension along the continentality gradient: **6**

Elevational belt in the Czech Republic: **lowlands, colline belt**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 428

taxon.data.freq_in_quad: 983

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.1 %**

Occurrence frequency in vegetation plots with a cover above 5%: **47.6 %**

Occurrence frequency in vegetation plots with a cover above 25%: **26.2 %**

Occurrence frequency in vegetation plots with a cover above 50%: **19 %**

Mean percentage cover in vegetation plots: **21.6 %**

Maximum percentage cover in vegetation plots: **88 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **8**

Number of narrow habitats in which the taxon has its optimum: **4**

Number of broad habitats in which the taxon occurs: **4**

Number of broad habitats in which the taxon has its optimum: **2**

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**

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