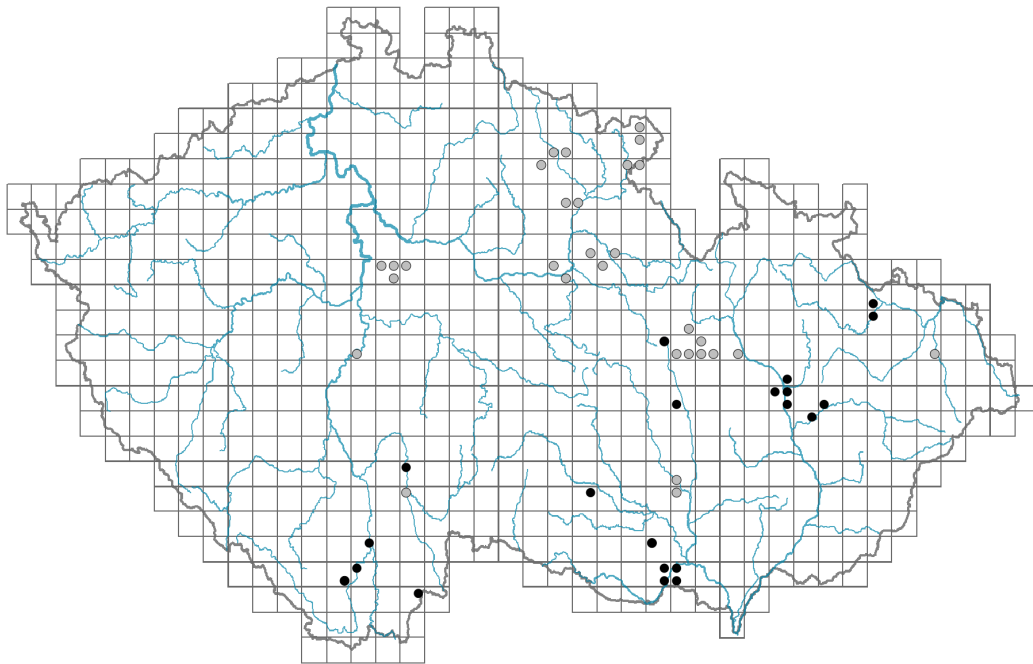


# Ornithogalum umbellatum

## Distribution



© Dana Michalčová

### 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]: **0.15-0.25**

Growth form: **clonal herb**

Life form: **geophyte**

Life strategy: **CSR - competitor/stress-tolerator/ruderal**

## Leaf

Leaf presence and metamorphosis: **leaves present, not modified**

Leaf arrangement (phyllotaxis): **rosulate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **absent**

Leaf life span: **spring green**

Leaf anatomy: **mesomorphic, hygromorphic**



© Dana Michalčová



© Dana Michalčová

## Flower

Flowering period [month]: **April-May**

Flowering phase: **4 Fagus sylvatica-Galeobdolon (start of mid-spring)**

Flower colour: **white**

Flower symmetry: **actinomorphic**

Perianth type: **homochlamydeous**

Perianth fusion: **free**  
Inflorescence type: **corymbus**  
Dicliny: **synoecious, androdioecious**  
Pollination syndrome: **insect-pollination, selfing**

### **Fruit, seed and dispersal**

Fruit type: **dry fruit - capsule**  
Reproduction type: **mostly vegetatively, rarely by seed/spores**  
Dispersal unit (diaspore): **seed**  
Dispersal strategy: **Allium (mainly autochory)**  
Myrmecochory: **myrmecochorous nv**

### **Belowground organs and clonality**

Shoot metamorphosis: **bulb**  
Storage organ: **bulb**

### **Trophic mode**

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

### **Karyology**

Chromosome number (2n): **18 (27, 36, 45, 54, 72, 90, 108)**  
Ploidy level (x): **2 (3, 4, 5, 6, 8, 10, 12)**  
2C genome size [Mbp]: **40683.9**  
1Cx monoploid genome size [Mbp]: **6780.65**  
Genomic GC content: **44 %**

### **Taxon origin**

Origin in the Czech Republic: **archaeophyte/neophyte**  
Invasion status: **naturalized**  
Geographic origin: **Europe, Mediterranean**  
Period of introduction: **Late Middle Ages and Early Modern Period (merged category, 1200-1800)**  
Introduction pathway: **intentional - ornamental**

### **Ecological indicator values**

#### **Ellenberg-type indicator values**

Light indicator value: **7 - half-light plant, mostly occurring at full light, but also in the shade up to about 30% of diffuse radiation incident in an open area**  
Temperature indicator value: **6 - transition between values 5 and 7**  
Moisture indicator value: **3 - missing on damp soil**  
Reaction indicator value: **7 - indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**

Nutrient indicator value: **6 - transition between values 5 and 7**

Salinity indicator value: **0 - not salt tolerant, glycophyte**

### **Habitat and sociology**

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **2.1 - taxon occurring both in the forest and open vegetation**

### **Distribution and frequency**

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

Floristic region: **Europe**

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

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **44**

taxon.data.freq\_in\_quad: **56**

### **Threats and protection**

Red List 2017 (national categories): **A2 - missing taxon**

Red List 2017 (IUCN categories): **DD - data deficient**

Legal protection: **not protected by law**