

# Species Datasheet

Datasheet No. A-403.013.001  
(family.genus.species)

DBT- Networ

## 1. Taxon:

Species: *Arnica montana*L.  
Subspecies  
Variety  
Cultivar  
Hybrid

Image file

2. **Synonyms:** [\*Arnica alpina\* Willd. ex Steud.](#), [\*A. alpina\* f. \*inundata\* Porsild.](#), [\*A. angustifolia\* Turcz. ex Ledeb.](#), [\*A. helvetica\* G. Don ex Loudon.](#), [\*A. lowii\* Holm.](#), [\*A. montana\* subsp. \*montana\*.](#), [\*A. montana\* var. \*montana\*.](#), [\*A. petiolata\* Schur.](#), [\*A. plantaginifolia\* Gilib.](#), [\*Cinerariacernua\* Thore.](#), [\*Doronicum arnica\* Garsault.](#), [\*D. montanum\* \(L.\) Lam.](#), [\*D. oppositifolium\* Lam.](#)

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Arnica*L.
- Species: *A. montana*L.

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Dicotyledons  
Subclass: Gamopetalae  
Series: Inferae  
Cohors: Asterales Link  
Ordo: Compositae Giseke  
Genus: *Arnica*L.  
Species: *A. montana*L.

## 4. Distribution:

**Global:** India, Europe

**India:** North West Himalaya

5. **Indigenous/Exotic/Endemic; Cultivated/Wild:** Cultivated

## 6. Threat Status:

**IUCN:** Least Concern

**BSI:**

7. **Habit and Habitat:** Herb. It is mainly found in grassland and shrubland and alpine mountain environments. It also grows in dry pine forests, meadows, grazed moors on siliceous soils, marginal parts of spruce forests, open forest edges, mowing pastures, road and path sides

8. **Life Form:** Chamaephytes

9. **Economic Importance:** Medicinal plant

10. **Probable Progenitor of:**

11. **DNA**

**C-value Methodology**

12. **Basic chromosome number(s):**

13. **Zygotic chromosome number(s):**  $2n = 38$ <sup>1,2,3</sup>

14. **Gametic chromosome number(s):**

15. **Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene**

**chromosomes/Neocentric chromosomes):**

Image file

**16. Ploidy level:**

Image file

**17. Agametoploidy:**

**18. Nature of polyploidy (auto, segmental, allo, autoallo):**

**19. Genomic formula:**

**20. Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):**

**21. Somatic chromosomes:**

**Karyotype**

**Chromosome size**

**NOR chromosome(s)**

**Degree of asymmetry**

Image file

**22. Banding pattern(s):**

Image file

**23. Physical mapping of chromosomes:**

**In situ hybridization**

Image file

**Fluorescent in situ hybridization**

Image file

**24. Genomic in situ hybridization:**

Image file

**25. Linkage map:**

Image file

**26. Chromosome associations:**

**Female meiosis**

**Male meiosis**

Image file

**27. Chromosome distribution at anaphase I:**

**28. Genetic diversity:**

**Chromosomal level**

Image file

**DNA level<sup>4,5</sup>**

**29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocationsetc.):**