

Species Datasheet

Datasheet No. A-403.014.001
(family.genus.species)

DBT- 1

1. Taxon:

Species: *Bellis perennis*L.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. **Synonyms:** *Asterbellis*E.H.L.Krause, *Bellisalpina*Hegetschw., *B.armena*Boiss., *B.croatica*Gand., *B.hortensis* Mill., *B.hybrida* Ten., *B.integrifolia* DC., *B.margaritifolia*Huter, *B.minor*Garsault, *B.perennis* var. *caulescens*Rochebr., *B.perennis* f. *discoidea*D.C.McClint., *B.perennis* var. *fagetorum* Lac., *B.perennis* var. *hybrida* (Ten.) Fiori, *B.perennis* subsp. *hybrida* (Ten.) Nyman, *B.perennis* var. *margaritifolia* (Huter) Fiori, *B.perennis* var. *microcephala*Boiss., *B.perennis* var. *perennis*, *B.perennis* f. *perennis*, *B.perennis* subsp. *perennis*, *B.perennis* f. *plena*Sacc., *B.perennis* f. *pumila* (Arv.-Touv. & Dupuy) Rouy, *B.perennis* var. *pusilla*N.Terracc., *B.perennis* f. *rhodoglossa*Sacc., *B.perennis* var. *strobiliana* Beg., *B.perennis* var. *subcaulescens*Martrin-Donos, *B.perennis* var. *tubulosa*F.J.Schultz, *B.perennis* f. *tubulosa*A.Kern., *B.pumila* Arv.-Touv. & Dupuy, *B.scaposa*Gilib., *B.validula*Gand., *Erigeronperennis*(L.) Sesse&Moc.

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: *Bellis*L.
- Species: *B.perennis*L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Bellis*L.
Species: *B.perennis*L.

4. Distribution:

Global: Argentina, Bolivia, Brazil, Canada, Chile, China, Colombia, Costa Rica, Ecuador, Europe, Mexico, Morocco, New Zealand, Turkey, USA

India: Cultivated

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb.

8. **Life Form:** Chamaephytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

C-value

Methodology

2C(3.65pg)¹Flow cytometer

2C(3.38pg)²Flow cytometer

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=18^{3-13}$

14. Gametic chromosome number(s): $n=9^{14,15}$

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid³⁻¹³

Image file

17. Agametoploidy:

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

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes:¹¹

Karyotype Majority metacentric chromosomes

Chromosome size Medium

NOR chromosome(s)

Degree of asymmetry Symmetrical

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 level¹⁶

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