

Species Datasheet

Datasheet No. A-403.011.001
(family.genus.species)

DBT-1

1. Taxon:

Species: *Anthemis cotula* L.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. **Synonyms:** *Anthemiscotula* var. *cotula*, *A.cotula* subsp. *cotula*, *A.cotula* subsp. *psorosperma* (Ten.) Arcang., *A.foetida* Lam., *A.foetida* var. *foetida*, *A.porosperma* Ten., *A.ramosa* Link ex Spreng., *Chamaemeluncotula* (L.) All., *Marutacotula* (L.) DC., *M.cotula* var. *cotula*, *M.foetida* Cass.

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: *Anthemis* L.
- Species: *A. cotula* L.

Bentham and Hooker (1862)

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

4. Distribution:

Global: Argentina, Australia, Bolivia, Brazil, Chile, Canada, China, Honduras, Mexico, Mongolia, New Zealand, Paraguay, South Africa, USA, Uruguay

India: North West Himalaya, Upper Gangetic Plains

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb. Sometime found as an undergrowth in *Cedrus* forest, otherwise on shady slopes.

8. **Life Form:** Chamaephytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. DNA

C-value Methodology

2C(8.35 pg)¹Flow cytometer

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

13. **Zygotic chromosome number(s):** 2n= 18²⁻⁹

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

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