

Species Datasheet

Datasheet No. A-403.028.001
(family.genus.species)

DBT-1

1. Taxon:

Species: *Dimorphotheca pluvialis* (L.) Moench
Subspecies
Variety
Cultivar
Hybrid

Image file

2. **Synonyms:** *Calendula decurrens* Thunb., *C. hybrida* L., *C. pluvialis* L., *C. versicolor* Salisb., *Dimorphotheca annua* Less., *D. calendacea* var. *dubia* E. Phillips, *D. hybrida* (L.) DC., *D. incrassata* Moench, *D. leptocarpa* DC., *Gattenhoffia pluvialis* Druce

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: *Dimorphotheca* Moench
- Species: *D. pluvialis* (L.) Moench

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Dimorphotheca* Moench
Species: *D. pluvialis* (L.) Moench

4. Distribution:

Global: Australia, Bolivia, Costa Rica, El Salvador, Ethiopia, Honduras, India, South Africa, USA

India: North West Himalaya

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb. Grows in sandy, dry to medium moisture, well-drained soils in full sun.

8. Life Form: Chamaephytes

9. Economic Importance: Used in rock gardens or borders

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=18^1$, $2n=17+1B^2$, $2n=20^3$

14. Gametic chromosome number(s): $n=9^2$, $n=10^{3,4,5}$

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

chromosomes/Neocentric chromosomes):B chromosomes²

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:10:10³

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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