

Species Datasheet

Datasheet No. A-403.072.002
(family.genus.species)

DBT- Networ

1.Taxon:

Species: *Brachyactispubescens*(DC.) Aitch.& C.B. Clarke

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:*Brachyactis robusta* Benth., *Conyza pubescens* DC., *Erigeron robustum* Boiss.

3.Systematic Position: APG IV; Bentham and Hooker:

APG IV (2016)

- Kingdom:Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Asterales Link
- Family: AsteraceaeBercht. & J. Presl
- Genus: *Brachyactis*Ledeb.
- Species:*Brachyactispubescens*
(DC.) Aitch.& C.B. Clarke

Bentham and Hooker (1862)

Kingdom: Plantae
Division:Phanerogamia
Class:Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: CompositaeGiseke
Genus: *Brachyactis*Ledeb.
Species:*Brachyactispubescens*(DC.) Aitch.& C.B. Clarke

4.Distribution:

Global:Afghanistan, Pakistan, Himalaya

India

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

6.ThreatStatus:

IUCN

BSI

7.Habit and Habitat:Erect, Annual, herb

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s): $x=9^{1,2}$

13. Zygotic chromosome number(s): $2n=36^1$

14. Gametic chromosome number(s): $n=18^1$, $n=9^{2,3}$

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

Image file

16.Ploidy level:Tetraploid¹, Diploid²

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 $18 \text{ II}^1, 9 \text{ II}^2$

Image file

27.Chromosome distribution at anaphase I: $9:9^2$

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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