

Species Datasheet

Datasheet No. A-403.053.001
(family.genus.species)

DBT-1

1. Taxon:

Species: *Synedrella nodiflora*(L.) Gaertn.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:**[Blainvillea latifolia \(L.f.\) DC.](#), [B. latifolia var. latifolia](#), [Eclipta latifolia L.f.](#), [Ucacounodiflorum \(L.\) Hitchc.](#), [Verbesina nodiflora L.](#), [Wedeliacryptocephala Peter](#)

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: *Synedrella* Gaertn.
- Species: *S. nodiflora*(L.) Gaertn.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Synedrella* Gaertn.
Species: *S. nodiflora*(L.) Gaertn.

4. Distribution:

Global: Belize, Bolivia, Brazil, Caribbean, China, Costa Rica, Colombia, Ecuador, El Salvador, French Guiana, Gabon, Guatemala, Guyana, Honduras, Mexico, USA

India: Throughout including Himalaya

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb. Found in marshy places

8. Life Form:

9. **Economic Importance:** Medicinal value

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=32^1$, $2n=36^{2-4,21}$, $2n=38^{5,6}$, $2n=40^{7-18,20}$,
 $2n=18^{13,21}$

14. Gametic chromosome number(s): $n=20^{10,16,17,19}$

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:²⁰

Karyotype Majority metacentric chromosomes

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; Translocations etc.):