

Species Datasheet

Datasheet No. A-403.045.001
(family.genus.species)

DBT-1

1. Taxon:

Species: *Parthenium hysterophorus* L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** [*Argyrochaetabipinnatifida* Cav.](#), [*A. parviflora* Cav.](#), [*Echetrosispentasperma* Phil.](#), [*Parthenium glomeratum* Rollins](#), [*P. hysterophorus* var. *hysterophorus*](#), [*P. lobatum* Buckley](#), [*P. pinnatifidum* Stokes](#)

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasteride
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Parthenium* L.
- Species: *P. hysterophorus* L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Parthenium* L.
Species: *P. hysterophorus* L.

4. Distribution:

Global: Throughout the western hemisphere

India: Weed throughout

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

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

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=32^1$, $2n=34^{2-11}$, $2n=36^{12,13}$

14. Gametic chromosome number(s): $n=17^{6,14-17}$, $n=18^{13,18}$

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^{19,20}

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