

Species Datasheet

Datasheet No. A-403.015.001
(family.genus.species)

DBT-1

1. Taxon:

Species: *Blainvillea acmella* (L.) Philipson
Subspecies
Variety
Cultivar
Hybrid

Image file

2. **Synonyms:** *Acmeallinnaei* Cass., *A. mauritanica* Rich., *Bidens acmella* (L.) Lam., *Blainvillea alba* Edgew., *B. gayana* var. *lanceolata* Chiov., *B. hispida* Edgew., *B. latifolia* var. *angustifolia* DC., *B. polycephala* Gardner, *B. rhomboidea* var. *lanceolata* (Poir.) DC., *B. rhomboidea* var. *polycephala* (Gardner) Baker, *B. rhomboidea* var. *racemosa* (Gardner) Baker, *Coreopsis acmella* (L.) E.H.L. Krause, *Eclipta prostrata* Lour., *E. latifolia* (L.f.) Kuntze, *Pyrethrum acmella* (L.) Medik.

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: *Blainvillea* Cass.
- Species: *B. acmella* (L.) Philipson

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Blainvillea* Cass.
Species: *B. acmella* (L.) Philipson

4. Distribution:

Global: Australia, Brazil, Burma, China, India, Indonesia, Malaysia, Nepal, Philippines, Sri Lanka, Thailand, Vietnam

India: Andhra Pradesh, Gujarat, Goa, Madhya Pradesh, Karnataka, Kerala, Rajasthan, Tamil Nadu, Uttar Pradesh

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

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):** $2n = 34^{1,2,3,4}$, $2n = 72^5$

14. Gametic chromosome number(s): $n=17^{4,6,7,8}$

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.):Pollen stainability:100%⁵