

Species Datasheet

Datasheet No. A-403.050.001
(family.genus.species)

DBT-1

1. Taxon:

Species: *Sigesbeckia orientalis* L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Minyranthes heterophylla* Turcz., *Sigesbeckia brachiata* Roxb., *S. caspica* Fisch. & C.A. Mey., *S. gracilis* DC., *S. humilis* Koidz., *S. iberica* Willd., *S. orientalis* f. *angustifolia* Makino, *S. orientalis* var. *angustifolia* Makino, *S. orientalis* subsp. *caspica* Kitam., *S. orientalis* f. *orientalis*, *S. orientalis* var. *orientalis*, *S. orientalis* subsp. *orientalis*, *S. orientalis* var. *tenggerensis* Hochr.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Dicotyledons

Subclass: Gamopetalae

Series: Inferae

Cohors: Asterales Link

Ordo: Compositae Giseke

Genus: *Sigesbeckia* L.

Species: *S. orientalis* L.

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: *Sigesbeckia* L.
- Species: *S. orientalis* L.

4. Distribution:

Global: Australia, Bhutan, China, Colombia, Guyana, India, Japan, Laos, Malaysia, Nepal, Russia Federation, South Africa, Sri Lanka, Thailand, USA, Venezuela, Vietnam

India: Throughout

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat:Herb. Weed in garden, waste places and roadside.

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): $2n=30^{1-10}$, $2n=60^{10,11}$, $2n=24^{12}$

14. Gametic chromosome number(s):

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:¹

Karyotype Majority metacentric chromosomes

Chromosome size

NOR chromosome(s)

Degree of asymmetrySymmetrical

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.):