

Species Datasheet

Datasheet No. A-403.042.002
(family.genus.species)

DBT-1

1. Taxon:

Species: *Mikania micrantha*Kunth

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:*Eupatoriumdenticulatum*Vahl, *E.orinocense* (Kunth) Gomez de la Maza, *E.orinocense* (Kunth) M.Gomez, *E.orinocense* var. *batataefolium* (DC.) M.Gomez, *E.orinocense* var. *tamoides* (DC.) M.Gomez, *Kleiniaalata* G. Meyer, *K.alata*G.Mey., *Mikaniaalata* (G.Mey.) DC., *M.cissampelina* DC., *M.denticulata* (Vahl) Willd., *M.glechomaefolia*Sch.Bip. ex Baker, *M.glechomifolia*Sch.Bip. ex Baker, *M.micrantha* (Hieron.) B.L.Rob., *M.micrantha* f. *hirsuta* (Hieron.) B.L.Rob., *M.micrantha* f. *micrantha*, *M.micrantha* var. *micrantha*, *M.orinocensis*Kunth, *M.scandens* var. *cynanchifolia* Hook. & Arn. ex Baker, *M.scandens* var. *sagittifolia*Hassl., *M.scandens* var. *subcymosa* (Gardner) Baker, *M.scandens* var. *umbellifera* (Gardner) Baker, *M.sinuata*Rusby, *M.subcrenata* Hook. & Arn., *M.subcymosa* Gardner, *M.umbellifera* Gardner, *M.variabilis*Meyen&Walp., *Willoughbyacissampelina* (DC.) Kuntze, *W.micrantha* (Kunth) Rusby, *W.scandens* var. *orinocensis* (Kunth) Kuntze, *W.variabilis* (Meyen&Walp.) Kuntze

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: *Mikania* Willd.
- Species: *M.micrantha*Kunth

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: CompositaeGiseke
Genus: *Mikania*Willd.
Species: *M.micrantha*Kunth

4. Distribution:

Global:Argentina, Australia, Belize, Bolivia, Brazil, Caribbean, China, Colombia, Costa Rica, Ecuador, El Salvador, French Guiana, Guatemala, Guyana, Honduras, Mexico, Tropical Africa

India:Weed

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat:Twiners

8. Life Form:

9. Economic Importance:Use the leaves to cure wounds

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=36,42,72^{3,4,5}$

14. Gametic chromosome number(s): $n=19^6$

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes): B chromosomes ^{3,4}

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: ⁵

Karyotype Metacentric/submetacentric chromosomes

Chromosome size

NOR chromosome(s) ⁴

Degree of asymmetry

Image file

22. Banding pattern(s): C banding ^{3,4}

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 level³

Image file

DNA level^{7 - 10}

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