

Species Datasheet

Datasheet No. A-403.001.002
(family.genus.species)

DBT-1

1. Taxon:

Species: *Acanthospermum hispidum*DC.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Acanthospermum humile* var. *hispidum* (DC.) 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: *Acanthospermum* Schrank
- Species: *A. hispidum* DC.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Acanthospermum* Schrank
Species: *A. hispidum* DC.

4. Distribution:

Global: Alabama, Argentina, Australia, Bolivia, Brazil, Caribbean, China, Colombia, Culebrita Waste, El Salvador, Costa Rica, French Guiana, Florida, Gabon, Georgia, Guatemala, Guyana, Honduras, India, Madagascar, New Jersey, Nicaragua, Paraguay, Peru, Salvador, South Africa, Suriname, USA, Venezuela

India: Gujarat, Goa, Karnataka, Kerala, Maharashtra, Tamil Nadu

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Annual herb. Common throughout as a weed in open situations.

8. **Life Form:** Chamaephytes

9. **Economic Importance:** Medicinal value

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. **Zygotic chromosome number(s):** $2n=22^{4-10}$, $2n=40^{11}$

14. **Gametic chromosome number(s):** $n=11^{1,11,12}$

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;Translocations etc.):Pollen stainability ¹¹