

**Genus Datasheet**  
**DBT- Network Programme**

**Datasheet No. A-403.001**  
(Family.Genus)

**1. Genus:***Acanthospermum*Schrank

**2. 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

**Bentham and Hooker (1862)**

Kingdom: Plantae  
Division: Phanerogamia  
Class: Dicotyledons  
Subclass: Gamopetalae  
Series: Infrac  
Cohors: Asterales Link  
Ordo: CompositaeGiseke  
Genus: *Acanthospermum*Schrank

**3. Species:**

**Global:**6

**India:** 2

**4. Taxonomic riddles:**

**5. 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

**6. Habit and Habitat:**Annual herb. Found in disturbed ground, commonly occurs on roadsides and in crops.

**7.Economic Importance:**Medicinal value

**8. DNA content range:**

**Methodology**

**9. Basic chromosome number(s):**

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

**11. Gametic chromosome number(s):**  $n=10^1$ ,  $n=11^{1,2,3,11,12}$

**12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/Neocentric chromosomes):**

**13. Ploidy level:**

**14. Nature of polyploidy (auto, segmental, allo, autoallo):**

**15. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

**16. Karyograms:**

**Meiosis:** 1,2,3,11,12

**17. Banding pattern(s):**

**18. Physical mapping of chromosomes:GISH:**

**19. Phylogenetic relationship at Chromosomal; DNA level:**

**20. Cytogenetic mechanism (s) underlying evolution:**

**21. Linkage map:**

**22. Any other information:** Pollen stainability <sup>11</sup>