

Species Datasheet

Datasheet No. A-377.033.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Ruellia brevifolia* (Pohl) C. Ezcurra.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Cyrtacanthus corymbosus* Mart. ex Nees, *Echinacanthus dichotomus* Kuntze. *Ruellia amoena* Nees, *R. graecizans* Backer, *R. longifolia* (Pohl) Griseb. *R. serratitheca* Rusby, *R. ventricosa* Kunth. *Stephanophysum brevifolium* Pohl. *S. longifolium* Pohl. *S. macrandrum* Bremek. *S. ventricosum* (Kunth) Nees.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Sup
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Ruellia* L.
- Species: *R. brevifolia* (Pohl) C. Ezcurra.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Ruellia* L.
- Species: *R. brevifolia* (Pohl) C. Ezcurra.

4. Distribution:

Global: Argentina, Brazil, Bolivia, Colombia, Ecuador, Paraguay, Peru and India

India: Throughout India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Shrub, found in rainforests and riparian vegetation

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): $2n=34^{1, 2}$

14. Gametic chromosome number(s): $n=17^2$

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

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

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