

Species Datasheet

Datasheet No. A-028.022.006
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species *Therophonum minutum* (Willd.) Baill.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Arum crenatum* Wight, *A. minutum* Willd., *Therophonum crenatum* (Wight) Blume, *Therophonum kleinii* Schott, *T. minutum* var. *chattarjeei* Haines, *T. wightii* Schott. *Therophonum zeylanicum* N.E.Br., *Typhonium crenatum* (Wight) Schott, *T. minutum* (Willd.) Schott

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Therophonum* Blume
- Species: *T. minutum* (Willd.) Baill.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Therophonum* Blume
Species: *T. minutum* (Willd.) Baill.

4. Distribution:

Global: Central & South East India, Sri Lanka

India: Peninsular & East India.

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb, tropical dry forest

8. Life Form: Tuberous geophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=14$ ⁴
 $2n=16$ ^{2,3}
 $2n=24$ ¹

14. Gametic chromosome number(s): $n=8$ 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: Majority submetacentric chromosomes ², Majority subtelocentric chromosomes ⁴

Chromosome size: Small to medium ⁴, Medium ²

NOR chromosome(s): 2 NOR ⁴

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 8II²

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):