

Species Data Sheet

Datasheet No. A-098.010.008
(family.genus.species)

DBT- Network Programme

1. Taxon: *Fuirena* Rottb

Species *Fuirena umbellata* Rottb. (Accepted Name)

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Fuirena appendiculata* Peter, *Fuirena brachylepis* Peter, *Fuirena brasiliensis* Palla, nom. illeg., *Fuirena canescens* Vahl, *Fuirena capitata* Willd. ex Kunth, *Fuirena complotracha* C.Wright, *Fuirena guianensis* Klotzsch, *Fuirena haemaglottis* Steud., *Fuirena hildebrandtii* Boeckeler, *Fuirena mahouxii* Cherm., *Fuirena mauritiana* Nees ex Kunth, *Fuirena mauritiana* var. *angustifolia* Kunth, *Fuirena multiflora* Peter, *Fuirena paniculata* L.f., *Fuirena pentagona* Schumacher, *Fuirena philippinensis* Gand., *Fuirena quinquangularis* Hassk., *Fuirena rivularis* Nees, nom. inval., *Fuirena seriata* C.B.Clarke, *Fuirena tereticulmis* J.Presl & C.Presl, *Fuirena thoursiana* Kunth, *Fuirena umbellata* var. *americana* H.Pfeiff., *Fuirena umbellata* var. *varpilosa* Domin, *Fuirena umbellata* var. *typica* Domin, nom. inval., *Fuirena umbellata* var. *unguiculata* Kük., *Scirpus fuirena* T.Koyama, *Scirpus rivularis* D.Don. ex Nees, nom. inval., *Scirpus umbellatus* (Rottb.) Kuntze

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Fuirena* Rottb
- Species: *F. umbellata*

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Fuirena* Rottb
Species: *F. umbellata*

4. Distribution:

Global: Peninsular India

India: Andhra Pradesh, Gujarat, Karnataka, Maharashtra

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb

8. Life Form: Annual

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology:

12. Basic chromosome number(s): $x=26^8$

13. Zygotic chromosome number(s): $2n=48^{11}52^{1,4}$

14. Gametic chromosome number(s): $n=26^{1,3,8}$

15. Specialized chromosomes (B chromosomes/Sex chromosomes/polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid⁸

Image file

17. Agameteoploidy:

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; Translocation etc):