

Species Data Sheet

Datasheet No. A-098.031.022
(family.genus.species)

DBT- Network Programme

1. Taxon: *Scleria* P.Berg

Species: *Scleria pergracilis* (Nees) Kunth (Accepted Name)

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Hypoporumpergracile* Nees, *Scleria pergracilis* var. *brachystachys* Nelmes, *Scleria pergracilis* var. *major* Cherm., *Scleria salebrosa* Boeckeler ex C.B. Clarke, *Scleria ustulata* Ridl.

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Scleria* P.Berg
- Species: *Scleria pergracilis*

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Scleria* P.Berg
Species: *Scleria pergracilis*

4. Distribution:

Global: India, Sri Lanka, Indo-Malesia, China and Tropical Africa

India: Assam

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

6. Threat Status:

IUCN: Least Concern

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): $x=5^1$

13. Zygotic chromosome number(s): $2n=10^1$

14. Gametic chromosome number(s): $n=5^1$

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

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16.Ploidy level:Diploid¹

Image file

17.Agametoploidy:

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

19.Genomic formula:

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

21.Somatic chromosomes:

Karyotype:Metacentric and Submetacentric¹

Chromosome size:Small size¹

NOR chromosome(s):2NOR¹

Degree of asymmetry:Symmetrical

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: 5II¹

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): Pollen mitosis: $(n=5)^1$