

Species Data Sheet

DBT- Network Programme

Datasheet No. A-098.031.012
(family.genus.species)

1. Taxon: *Scleria* P.Berg

Species: *Scleria lithosperma* (L.) Swartz

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Carex subulata* J.F.Gmel., *Carex tenuis* (Retz.) J.F.Gmel., *Hypoporum capillare* (R.Br.) Nees, *Hypoporum gracile* (Rich.) Torr., *Hypoporum purpurascens* Nees, nom. illeg., *Hypoporum sieberi* Nees, nom. inval., *Scleria capillaris* R.Br., *Scleria elongata* J.Presl & C.Presl, *Scleria filiformis* Sw., *Scleria glaucescens* J.Presl & C.Presl, *Scleria gracilis* Rich., *Scleria krugiana* Boeckeler, *Scleria lithosperma* f. *ramosa* Domin, *Scleria lithosperma* var. *filiformis* (Sw.) Britton, *Scleria pauciflora* Sauvalle, nom. nud., *Scleria purpurea* Poir., *Scleria puzzolana* K.Schum., *Scleria subulata* (J.F.Gmel.) Steud., *Scleria tenuis* Retz.

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 lithosperma*

Bentham and Hooker (1862)

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

4. Distribution:

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

India: Kerala

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb

8. Life Form: Perennial

9. Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value

Methodology:

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

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:

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):