Species Data Sheet

Datasheet No. A-098.027.020
(family.genus.species)

DBT- Network Programme

1.Taxon:*Schoenoplectus* (H.G.L. Reichb.) Palla
Species:*Schoenoplectus triqueter* (L.) Palla
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Cyperus triqueter* (L.) Missbach&E.H.L.Krause, nom. illeg.,*Eleogitontriqueter* (L.) Fourr.,*Heleogitonlejeunei* (Weihe) Rchb., *Heleogitontrigonum* (Roth) Rchb.,*Heleogitontriquetrum* (L.) Rchb.,*Heleophylaxtriquetrus* (L.) Schinz&Thell.,*Hymenochaetatriquetra* (L.)Nakai,*Schoenoplectus triqueter* f. *conglomeratus* (Döll) Soó,*Schoenoplectus triqueter* f. *hoppei* (Weihe) Soó, *Schoenoplectus triqueter* f. *macrostachys* (Junge) Soó

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Schoenoplectus* (H.G.L. Reichb.) Palla
- Species: *Schoenoplectus triqueter*

Bentham and Hooker (1862)
Kingdom: Plantae
Division:Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Schoenoplectus* (H.G.L. Reichb.) Palla
Species: *Schoenoplectus triqueter*

4.Distribution:

Global: Nepal, Pakistan,Vietnam, Philippines, Zambia, Sri Lankaand Thailand

India: South India, Haryana, Kerala, Tamil Nadu

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

13. Zygotic chromosome number(s):2n=40[33,52,54]42[51]

14. Gametic chromosome number(s):n=21[18,27,30,37,41,44]

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;Translocationsetc):