

Species Data Sheet

Datasheet No. A-098.017.003
(family.genus.species)

DBT- Network Programme

1. Taxon: *Kyllinga* Rottb

Species: *Kyllinga nemoralis* (J.R. & G. Forst.) Dandy ex Hutch. & Dalziel (*Accepted Name*) Commonly Known as Whitehead spike sedge.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Cyperus kyllingia* Endl., *Cyperus kyllingia f. humilis* (Boeckeler) Kük., *Cyperus kyllingia f. subtriceps* (Kunth) Kük., *Cyperus kyllingia f. tenuis* (Boeckeler) Kük., *Cyperus leucocephalus* Hassk., *Kyllinga cephalotes* Druce, *Kyllinga gracilis* Zoll., nom. illeg., *Kyllinga intermedia* Seem, nom. illeg., *Kyllinga mindorensis* Steud., *Kyllinga monocephala* Stokes, nom. illeg., *Kyllinga monocephala var. humilis* Boeckeler, *Kyllinga monocephala var. subtriceps* Kunth, *Kyllinga monocephala var. tenuis* Boeckeler, *Kyllinga planiculmis var. mucronata* Cherm., *Scirpuscephalotes* Jacq., nom. illeg., *Thryocephalonemorale* J.R.Forst. & G.Forst.

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Kyllinga* Rottb
- Species: *K. nemoralis*

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Kyllinga* Rottb
Species: *K. nemoralis*

4. Distribution:

Global: Cambodia, Nepal, Cameroon, China, Islands, Fiji, Gabon, Ghana, India

India: Andhra Pradesh, Madhya Pradesh, Maharashtra

5. Indigenous/Exotic/Endemic; Cultivated/Wild: Indigenous / 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): $2n=42^{1,11}$

14. Gametic chromosome number(s): $n=9^{15}$

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, aneusomy, polysomy):

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):