

# Species Data Sheet

Datasheet No. A-098.017.001  
(family.genus.species)

DBT- Network Programme

**1. Taxon:** *Kyllinga* Rottb

Species: *Kyllinga brevifolia* Rottb. (*Accepted Name*)

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Cyperus brevifolius* (Rottb.) Hassk.

**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. brevifolia*

**Bentham and Hooker (1862)**

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

**4. Distribution:**

**Global:** Indo-Malesia and Australia

**India:** Kerala

**5. Indigenous/Exotic/Endemic; Cultivated/Wild:** 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):**  $x=8^{4,6}$

**13. Zygotic chromosome number(s):**  $2n=32^{10}72^{12}120^{2,8,9}116^{11}126^1$

**14. Gametic chromosome number(s):**  $n=43^358^360^{2,3,4,6,7,8,9}62^763^186^5$

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

Image file

**16. Ploidy level:** Tetradecaploid<sup>4,6</sup>

Image file

**17. Agamete ploidy:**

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

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):** Aneuploidy<sup>4,6</sup>

**21. Somatic chromosomes:**

**Karyotype:**

**Chromosome size:** Small size<sup>8</sup>

**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:**  $60 \times 11^{4,8}$

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):**