

Genus Data Sheet

Datasheet No. A-098.017
(family,genus,species)

DBT- Network Programme

1. Genus: *Kyllinga* Rottb.

3. Systematic position:

APG IV (2016)

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

Bentham and Hooker (1862)

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

3. Species:

Global: 78

India: 18

4. Taxonomic riddles:

5. Distribution:

Global: Cambodia, Tropical Asia and Africa, Tropical and Warm Regions Of World, Nepal, Cameroon, China, Cook Islands, Fiji, Gabon, Ghana, India Indo-Malesia and Australia.

India: Kerala, Andhra Pradesh, Assam, Punjab, Arunachal Pradesh, Madhya Pradesh, Maharashtra, Karnataka, Madhya Pradesh, Pondicherry, Tamil Nadu.

6. Habit and Habitat: Herb

7. Economic Importance:

8. DNA content range:

Methodology

2C: 4C:

9. Basic chromosome number(s): $x=8^{4,6}$

10. Zygotic chromosome number(s): $2n=22^{16,32}10^{42,1,11}72^{12}108^{13,14}120^{2,8,9}116^{11}126^1$

11. Gametic chromosome number(s): $n=7^{15}9^{15}12^{15}18^{15}43^354^{13,14,15}58^360^{2,3,4,6,7,8,9}62^763^{18}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes Neocentric chromosomes):

13. Ploidy level: Tetradecaploid^{4,6}

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy): Aneuploidy^{4,6}

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Six species have been done out of total Seven as per APG-IV.