

Species Datasheet

Datasheet No. A-078.001.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Commelina attenuate* Vahl

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Commelina clavata* var. *attenuata* (K.D.Koenig ex Vahl) Trimen, *C. rajmahensis* C.B.Clarke, *C.repens* Roxb. & H. Heyne ex C.B.Clarke

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Commelinales Mirb. ex Bercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Commelina* L.
- Species: *C. attenuata* Vahl

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Commelina* L.
Species: *C. attenuata* Vahl

4. Distribution:

Global: Andaman Island, Bangladesh, India, Sri Lanka

India: Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Manipur, Maharashtra, Orissa, Pondicherry, Tamil Nadu, Uttar Pradesh

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb, sandstone plateaus, slopes of the grasslands, in rice field edges.

8. **Life Form:** Therophyte

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

C-value Methodology

12. Basic chromosome number(s): $x=12^{24}15^{35,54}$

13. Zygotic chromosome number(s): $2n=30^{35,36}44^{14,23}48^{8,25}$

14. Gametic chromosome number(s): $n=15^{22,36}24^{8,26}30^{54}$

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; Translocations etc):