

Species Datasheet

Datasheet No. A-078.001.015
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Commelina sikkimensis* C. B. Clarke

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms:

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. sikkimensis* C. B. Clarke

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Commelina* L.
Species: *C. sikkimensis* C. B. Clarke

4. Distribution:

Global: Bangladesh, East Himalaya, Malesia Malaya

India: North East India, East Himalaya

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb; in moist places, partially exposed by sun, Tropical Moist Forest

8. Life Form: Chamaephyte

9. Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology:

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=60^{2,27}90^{12,19,32,40,48}$

14. Gametic chromosome number(s): $n=30^{27}45^{2,31}$

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

Image file

16.Ploidy level: Diploid²

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: 30 II^{2,27}

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):