

Species Datasheet

Datasheet No. A-078.001.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Commelina albescens* Hassk.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Commelina albescens* var. *hirsutissima* Chiov., *C. multicaulis* Hochst. ex C.B.Clarke, *C. schimperiana* Hochst. 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. albescens* Hassk.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledones

Series: Coronarieae

Ordo: Commelinaceae Mirb.

Genus: *Commelina* L.

Species: *C. albescens* Hassk.

4. Distribution:

Global: Arabian Peninsula Gulf States, East Tropical Africa Kenya, Eritrea, Ethiopia, Indian Subcontinent, Northeast Tropical Africa Djibouti, Oman, Pakistan, Saudi Arabia, Socotra, Somalia, South Tropical Africa, Malawi, Sudan, Tanzania, Uganda, Yemen

India: Daman and Diu, Gujarat, Rajasthan

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb, desert and xeric shrub land

8. Life Form: Rhizomatous geophyte

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

(2C:5.5pg.;4C: 10.9pg.)³⁵

Methodology:

Feulgen Microdensitometry (Fe)³⁵

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

13. Zygotic chromosome number(s): $2n=30$ ^{35,36}

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

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

Image file

16. Ploidy level:Diploid³⁵Tetraploid⁵⁴

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):