Species Datasheet

Datasheet No. A-078.001.013 **DBT- Network Programme**
(family.genus.species)

1.Taxon:
Species**:** *Commelina maculata* Edgew.
Subspecies**:**
Variety**:**
Cultivar**:**
Hybrid**:**

Image file

2. Synonyms: *Commelina obliqua* var. *viscida* C.B.Clarke, *C.paludosa* var. *viscida* (C.B.Clarke) R.S.Rao & Kammathy

3. Systematic position:

APG IV (2016)
- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Commelinales Mirb. exBercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Commelina* L.
- Species: *C. maculata* Edgew.

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Commelina* L.
Species: *C. maculata* Edgew.

4.Distribution:

Global: China South-Central, India,Myanmar, Malesia Malaya, Nepal,Tibet

India: Arunachal Pradesh, Goa, Karnataka, Kerala, Maharashtra, Meghalaya, Sikkim, Tamil Nadu, West Bengal,

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Herb, found in medium to high altitude range, undergrowth of forest, in moist places, along the margins of path, partially exposed to sun

8.Life Form: Tuberous geophyte

9.Economic Importance: Medicine

10. Probable Progenitor of:

11.DNA

C-valueMethodology:

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=60[2,3,18,24,32]

14. Gametic chromosome number(s):n=15[22]30[2,3,22,31]

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, 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:

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):