

Species Data Sheet

Datasheet No. A-078.012.014
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyanotisthwaitesii*Hassk.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:***Cyanotisarachnoidea* var. *thwaitesii* (Hassk.) R.S.Rao & Kammathy, *C.fasciculata* var. *thwaitesii* (Hassk.) C.B.Clarke

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Commelinales Mirb. ex Bercht. &J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Cyanotis* D. Don.
- Species: *C. thwaitesii*Hassk.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Cyanotis*D. Don
Species: *C. thwaitesii*Hassk.

4.Distribution:

Global: India, Myanmar, Sri Lanka,

India: Peninsular India.

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Herb.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=22^{14}24^{14,28}26^{14}$

14. Gametic chromosome number(s): $n=13^8$

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):