

# Species Data Sheet)

Datasheet No. A-078.012.011  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Cyanotisobtusa* Trimen

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Cyanotisarachnoidea* var. *obtusa* Trimen

## 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. obtusa* Trimen

### Bentham and Hooker (1862)

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

## 4. Distribution:

**Global:** India and 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-value Methodology

12. **Basic chromosome number(s):**  $x=12^1$

13. **Zygotic chromosome number(s):**  $2n=24^{1,2,14}$

14. **Gametic chromosome number(s):**  $n=12^{2,10}$

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

Image file

16. **Ploidy level:**

Image file

17. **Agamete ploidy:**

18. **Nature of polyploidy (auto, segmental, allo, autoallo):**

19. **Genomic formula:**

20. **Aberrant chromosome number(s)(aneuploidy, aneusomy, polysomy):**

21. **Somatic chromosomes:**

**Karyotype:** Mostly subterminal and median<sup>1</sup>

**Chromosome size:** Small size

**NOR chromosome(s)**

**Degree of asymmetry:** Assymetrical<sup>1</sup>

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):**