

Species Data Sheet

Datasheet No. A-078.012.007
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyanotis cucullata* Kunth

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Amischophacelus cucullata* (Roth) R.S.Rao & Kammathy, *Tonningiacucullata* (Roth) Kuntze *Tradescantiacucullata* Roth,
T.glomerata B. Heyne ex C.B. Clarke, *Zygomenes cucullata* (Roth) R.S.Rao & Kammathy

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. cucullata* Kunth

Bentham and Hooker (1862)

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

4. Distribution:

Global: India, Myanmar, Vietnam

India: Peninsular India

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

6. Threat Status:

IUCN: Least Concern

BSI:

7. **Habit and Habitat:** Herb. Found in marshy areas, wet fields and along the banks of ponds and ditches.

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=20^{1,2,4,6,12,14,21}$

14. Gametic chromosome number(s): $n=10^{38}$

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: 10II^7

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):