

# Species Datasheet

Datasheet No. A-074.003.008  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species *Dracaena spicata* Roxb.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Dracaena wallichii* Kunth, *Draco spicata* (Roxb.) Kuntze, *Pleomele spicata* (Roxb.) N.E.Br.

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales
- Family: Asparagaceae Juss.
- Genus: *Dracaena* L.
- Species: *D. spicata* Roxb.

### Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledons

Series: Coronarieae

Ordo: Liliaceae Juss.

Tribus: Dracaeneae Dumort.

Genus: *Dracaena* L.

Species: *D. spicata* Roxb.

## 4. Distribution:

**Global:** India, Bangladesh, Myanmar.

**India:** North East India, Andaman and Nicobar Islands.

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

## 6. Threat Status:

**IUCN:**

**BSI:**

7. **Habit and Habitat:** Shrub; grows in Tropical Moist Forest

8. **Life Form:** Phanerophyte

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

C- value

Methodology

12. **Basic chromosome number(s):**

13. **Zygotic chromosome number(s):**  $2n=38^{2,3}$

14. **Gametic chromosome number(s):**  $n=19^{2,3}$

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** Majority metacentric or sub-metacentric chromosomes<sup>2</sup>

**Chromosome size** Small<sup>2</sup>

**NOR chromosome(s)**

**Degree of asymmetry:** Symmetrical<sup>2</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 19II<sup>2</sup>**

Image file

**27. Chromosome distribution at anaphase I:** Regular segregation<sup>2</sup>

**28. Genetic diversity:**

**Chromosomal level**

Image file

**DNA level**

**29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):**