

# Species Datasheet

Datasheet No. A-076.016.001  
(family.genus.species)

DBT- Network Programme

-

## 1. Taxon:

Species *Licuala peltata* Roxb. ex Buch.-Ham.

Subspecies

Variety

Cultivar

Hybrid

Image file

## 2. Synonyms:

### 3. Systematic Position:

#### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Areaceae Bercht. & J. Presl
- Genus: *Licuala* Wurm
- Species: *L. peltata* Roxb. ex Buch.-Ham.

#### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Calycinae  
Ordo: Palmae Juss.  
Genus: *Licuala* Wurm  
Species: *L. peltata* Roxb. ex Buch.-Ham.

## 4. Distribution:

**Global:** Bangladesh, India, Myanmar, Thailand, Malaysia, Malaya

**India:** Assam, Andaman and Nicobar Islands

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

## 6. Threat Status:

**IUCN:**

**BSI:**

## 7. Habit and Habitat: Evergreen tree. Found in humid rainforest

## 8. Life Form: Phanerophyte

## 9. Economic Importance: Leaves are used locally for thatching, making umbrellas, torches etc.

## 10. Probable Progenitor of:

## 11. DNA

C- value

Methodology

## 12. Basic chromosome number(s):

13. Zygotic chromosome number(s):  $2n=28$ <sup>1,2,3</sup>

14. Gametic chromosome number(s):  $n=14$ <sup>3</sup>

## 15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

## 16. Ploidy level: Diploid<sup>1</sup>

Image file

**17. Agametoploidy**

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

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):** Somatic cells with abnormal chromosomes number of  $2n = 24$ <sup>3</sup>

**21. Somatic chromosomes:**

**Karyotype:** Majority metacentric to nearly submetacentric chromosomes<sup>3</sup>

**Chromosome size:** Very small<sup>1</sup>; Very small to small<sup>3</sup>

**NOR chromosome(s):** 4 NOR<sup>3</sup>

**Degree of asymmetry:**

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**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** 14II<sup>3</sup>

Image file

**27. Chromosome distribution at anaphase I:** Nondisjunction<sup>3</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):**