Species Datasheet

Datasheet No. A-076.016.002 **DBT- Network Programme**
(family.genus.species)

1. Taxon:

Species *Licuala spinosa* Wurmb
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Corypha pilearia* Lour.*, Licuala acutifida* var. *peninsularis* Becc.*, L. horrida* Blume*, L. pilearia* (Lour.) Blume*, L. ramosa* Blume*, L. spinosa* var. *cochinchinensis* Becc.*, L. spinosa* var. *eriantha* Becc.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Arecaceae Bercht. & J. Presl
- Genus: *Licuala* Wurmb
- Species: *L. spinosa* Wurmb

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Calycinae
Ordo: Palmae Juss.
Genus: *Licuala* Wurmb
Species: *L. spinosa* Wurmb

4. Distribution:

Global: Cambodia, Myanmar, Thailand, Vietnam, Malaysia, Borneo, Java, Malaya, Philippines, Sumatera, Indonesia

India: Andaman and Nicobar Islands

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Evergreen tree. Found in slightly swampy ground, lowland alluvial forest, peat and mangrove swamp forest, beach forest, wet coastal areas and river banks.

8. Life Form: Phanerophyte

9. Economic Importance: It is often grown as an ornamental. Leaves are used for decorations, roofing, food-wrappers and binding, making hats, also used as a substitute of writing paper and eaten as vegetables. It is quite resistant to pests mainly protect against scale insects, frost and spider mites. The bark is used in combination with other plants for the treatment of tuberculosis.

10. Probable Progenitor of:

11. DNA

C- value **Methodology**

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): 2n=28 [2, 3, 4]

14. Gametic chromosome number(s):

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 to nearly metacentric chromosomes [3]

Chromosome size: Very small to small [3]

NOR chromosome(s): 4 NOR[3]

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):