Genus Datasheet

Datasheet No. A-076.016
(Family.Genus)

DBT- Network Programme

1. Genus: *Licuala* Wurmb

2. Systematic Position:

APG IV (2016)

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

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

3. Species:

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

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

4. Taxonomic riddles:

5. Distribution:

Global: 134

India: 2

6. Habit and Habitat: Evergreen tree. Found in humid rainforest

7. Economic Importance: Leaves are some species are used for thatching and for making sleeping mats. The sword leaf of some may be used for wrapping food before or after cooking. Smaller stems are used for walking sticks and larger ones as palisade in building. Many species are highly decorative but appear generally to be slow growing. Pith and stem apices are edible.

8. DNA content range:

Methodology:

9. Basic chromosome number(s): x= 8 [5]

x= 14 [5]

10. Zygotic chromosome number (s): 2n=28 [1, 2, 3, 4]

11. Gametic chromosome number (s): n= 14 [3]

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/ N chromosomes):

13. Ploidy level: Diploid [1]

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty): Somatic cells chromosomes number of 2n= 24 [3]

16. Karyograms: [3] **Meiosis:**

17. Banding pattern(s):

18. Physical mapping of chromosomes: **GISH:**

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution

21. Linkage map:

22. Any other information: