

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-087.002.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Phrynium imbricatum* (Dietr.) Roxb.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Maranta imbricata* A. Dietr., *Phrynium dispernum* Gagnep., *P. oliganthum* Merr., *Phyllodes imbricata* Kuntze

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Zingiberales Griseb.
- Family: Marantaceae R.Br.
- Genus: *Phrynium* Willd.
- Species: *P. imbricatum* (Dietr.) Roxb.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Epigynae
Ordo: Scitamineae
Genus: *Phrynium* Willd.
Species: *P. imbricatum* (Dietr.) Roxb.

4. Distribution:

Global: Bangladesh, China Southeast, Hainan, India, Laos, Myanmar, Thailand, Vietnam

India: East India

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

6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Rigid herb; semi-evergreen forests

8. **Life Form:**

9. **Economic Importance:** Used as medicine

10. **Probable Progenitor of:**

11. **DNA**

C- value

Methodology

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

13. **Zygotic chromosome number(s):**

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

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

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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