

Species Data Sheet

Datasheet No. A-045.001.021
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dioscorea prazeri* Prain & Burkill

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Dioscorea clarkei* Prain & Burkill, *D. deltoidea* var. *sikkimensis* Prain, *D. sikkimensis* Prain & Burkill

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocot
- Order: Dioscoreales Mart.
- Family: Dioscoreaceae R. Br.
- Genus: Dioscorea L.
- Species: *D. prazeri* Prain & Burkill

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogams
Class: Monocotyledons
Series: Epigynae
Ordo: Dioscoreaceae R. Br.
Genus: *Dioscorea* L.
Species: *D. prazeri* Prain & Burkill

4. Distribution:

Global: India, Nepal, Bhutan, Burma, Malaysia Thailand,

India: North East India

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Climbing herb. Found in open areas in mixed deciduous to evergreen forests on limestone and sandstone

8. **Life Form:** Rhizomatous geophyte

9. **Economic Importance:** The rhizome is used to make an insecticidal shampoo and fish-poison in India.

10. Probable Progenitor of:

11. DNA

C-value

Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=20^{3,5,11,20,32}$

14. Gametic chromosome number(s):

15. Specialized chromosomes (B chromosomes/Sex chromosomes/polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level:

Image file

17. Agamete ploidy:

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

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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 (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):