

# Species Data Sheet

Datasheet No. A-045.001.013  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Dioscorea kalkapershadii* Prain & Burkill

Subspecies

Variety

Cultivar

Hybrid

Image file

## 2. Synonyms:

## 3. Systematic position:

### APG IV (2016)

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

### Bentham and Hooker (1862)

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

## 4. Distribution:

**Global:** India

**India:** Kerala, North East India

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

## 6. Threat Status:

**IUCN:**

**BSI:**

## 7. Habit and Habitat: Tuberous climbing herb

## 8. Life Form: Tuberous geophyte

## 9. Economic Importance:

## 10. Probable Progenitor of:

## 11. DNA

**C-value**

**Methodology:**

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

**13. Zygotic chromosome number(s):**  $2n=80^{11}$

**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):**