

# Species Data Sheet

Datasheet No. A-045.001.023  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Dioscorea pyrifolia* Kunth

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *D. diepenhorstiana* Miq., *D. ferruginea* Thunb. ex Prain & Burkill, *D. preangeriana* Uline ex R. Knuth, *D. pyrifolia* var. *diepenhorstii* Prain & Burkill, *D. pyrifolia* var. *ferruginea* Prain & Burkill, *D. sandakanensis* R. Knuth, *D. zollingeriana* Kunth

## 3. Systematic position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocot
- Order: Dioscoreales Mart.
- Family: Dioscoreaceae R. Br.
- Genus: Dioscorea L.
- Species: *D. pyrifolia* Kunth

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogams  
Class: Monocotyledons  
Series: Epigynae  
Ordo: Dioscoreaceae R. Br.  
Genus: Dioscorea L.  
Species: *D. pyrifolia* Kunth

## 4. Distribution:

**Global:** Borneo, India, Peninsular Malaysia, Singapore, Sumatra, Thailand, and West Java.

**India:** East Himalaya & North East India

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

## 6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Climbing herb. Found in evergreen forest, near watercourses and in swampy areas, such as the margins of peat swamp forests; near sea level–700 m.

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):**

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