

# Species Datasheet

Datasheet No. A-028.005.035  
(family.genus.species)

DBT- Network Programme

-

## 1. Taxon:

Species

Subspecies

Variety *Arisaema speciosum* var. *mirabile* (Schott) Engl.

Cultivar

Hybrid

Image file

## 2. Synonyms: *Arisaema mirabile* Schott

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Arisaema* Mart.
- Species: *A. speciosum* (Wall.) Mart.
- Variety: *A. speciosum* var. *mirabile* (Schott) Engl.

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Nudiflorae  
Ordo: Aroideae Arn.  
Genus: *Arisaema* Mart.  
Species: *A. speciosum* (Wall.) Mart.  
Variety: *A. speciosum* var. *mirabile* (Schott) Engl.

## 4. Distribution:

**Global:** India, Nepal

**India:** East Himalaya, North East India

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

## 6. Threat Status:

**IUCN:** Not yet accessed

**BSI:**

## 7. Habit and Habitat: Perennial tuberous herbs grows in evergreen and moist deciduous forest floor

## 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): $2n=28$ <sup>38</sup>**

### **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; Translocations etc):**