

Species Datasheet

Datasheet No. A-140.016.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Mastersia assamica* Benth.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Mastersia cleistocarpa* Baker

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Clade: Fabids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Genus: *Mastersia* Benth.
- Species: *M. assamica* Benth.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus: *Mastersia* Benth.
Species: *M. assamica* Benth.

4. Distribution:

Global: Bhutan, India, Myanmar, China

India: Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Tripura, West Bengal

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Woody climber. Found in semi-evergreen rain forests

8. **Life Form:** Phanerophytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

12. **Basic chromosome number(s):**
13. **Zygotic chromosome number(s):** $2n= 22^1$
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, 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 (Aponixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc.):