

# Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-240.001.009  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Acer pectinatum* Wall. ex G.Nicholson

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Acer pectinatum* Wall. ex Pax, *A. pectinatum* subsp. *pectinatum*, *A. pectinatum* f. *rufinerve* A.E.Murray

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Order: Sapindales Juss. Ex Bercht. & J. Presl
- Family: Sapindaceae Juss.
- Genus: *Acer* L.
- Species: *A. pectinatum* Wall. ex G.Nicholson

### Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Disciflorae
- Cohors: Sapindales Juss. Ex Bercht. & J. Presl
- Ordo: Sapindaceae Juss.
- Genus: *Acer* L.
- Species: *A. pectinatum* Wall. ex G.Nicholson

## 4. Distribution:

**Global:** Bhutan, Burma, China, India, Nepal

**India:** Uttar Pradesh, West Bengal, Sikkim

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

## 6. Threat Status:

IUCN: Least concern

BSI:

7. Habit and Habitat: Tree or Shrub; found in mixed forests

8. Life Form: Phanerophytes

9. Economic Importance: Wood used in construction

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):  $n=13^{4,6,9}$

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