

Datasheet No. A-240.001.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Acer caesium* Wall. ex Brandis

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Acer caesium* subsp. *caesium*, *Acer luteolum* Borbás, *Acer molle* Pax

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. caesium* Wall. ex Brandis

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. caesium* Wall. ex Brandis

4. Distribution:

Global: India, Pakistan, Nepal, China, Afghanistan, Tibet

India: Tamil Nadu, west Himalaya

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

6. Threat Status:

IUCN: Least concern

BSI:

7. **Habit and Habitat:** Tree; temperate and alpine forests between 2000 and 3700 m elevation

8. **Life Form:** Phanerophyte

9. **Economic Importance:** Used in folk medicine

10. **Probable Progenitor of:**

11. **DNA**

C-value

Methodology

2C (2.06 ± 0.02 pg)¹

Flow cytometry¹

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

13. **Zygotic chromosome number(s):** 2n=26²

14. **Gametic chromosome number(s):** n=13^{3,4}

15. **Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):**

Image file

16. Ploidy level: Diploid²

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