

Final Species Datasheet JamU+CaIU+SUK-Phase I

Datasheet No. A-240.001.008
(family.genus.species)

DBT-1

1. Taxon:

Species: *Acer oblongum* Wall.ex DC.

Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Acer alboburpurascens* Hayata, *A. buergerianum* subsp. *formosanum* (Hayata ex Koidz.) E.Murray & Lauener, *A. buergerianum* var. *formosanum* (Hayata ex Koidz.) Rehder, *A. buergerianum* var. *formosanum* (Hayata ex Koidz.) Sasaki, *A. buzimpala* Buch.-Ham. ex D.Don, *A. hypoleucum* Hayata, *A. itoanum* (Hayata) H.L.Li, *A. laikuanii* Ling, *A. lanceolatum* Molliard, *A. laurifolium* D.Don, *A. litseifolium* Hayata, *A. nepalense* Dippel, *A. oblongifolium* Dippel, *A. oblongum* f. *concolor* (Pax) Schwer., *A. oblongum* f. *glaucum* Schwer., *A. oblongum* f. *microcarpum* (Hiern) Schwer., *A. oblongum* var. *concolor* Pax, *A. oblongum* var. *itoanum* Hayata, *A. oblongum* var. *laosianum* Lecomte, *A. oblongum* var. *latialatum* Pax, *A. oblongum* var. *membranaceum* Banerji, *A. oblongum* var. *microcarpum* Hiern, *A. oblongum* var. *oblongum*, *A. oblongum* var. *pachyphyllum* W.P.Fang, *A. oblongum* var. *trilobum* A.Henry, *A. trifidum* var. *formosanum* Hayata ex H. Lévl., *A. trifidum* var. *formosanum* Hayata ex Koidz., *A. trifidum* var. *integrifolium* Makino, *Euacer laevifolium* Opiz

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. oblongum* Wall.ex DC.

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. oblongum* Wall.ex DC.

4. Distribution:

Global: India, China and Indo-China

India: Jammu & Kashmir, Himachal Pradesh, Uttar Pradesh, Sikkim, Arunachal Pradesh, Meghalaya, Assam, Manipur, Nagaland

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

6. Threat Status:

IUCN: Least concern

BSI:

7. Habit and Habitat: Tree; evergreen forests

8. Life Form: Phanerophytes

9. Economic Importance: Used in folk medicine. The leaves are packed around apples, rootcrops etc to help preserve them. Wood is used for agricultural implements, minor construction, cups etc.

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^{3,4,6,9,10}

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 setc):