

Datasheet No. A-240.001.010  
(family.genus.species)

DBT- Network Programme

**1. Taxon:**

Species: *Acer pentapomicum* J. Stewart ex Brandis

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Acer fedtschenkoanum* Krysh., *A. monspessulanum* f. *turkestanicum* (Franch.) Schwer., *A. monspessulanum* subsp. *pubescens* (Franch.) Wesm., *A. monspessulanum* var. *crenatum* Regel ex Kom., *A. monspessulanum* var. *turkestanicum* Franch., *A. pubescens* Franch., *A. pubescens* var. *glabrescens* Pax, *A. regelii* Pax, *A. xerophilum* Butkov

**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. pentapomicum* J. Stewart 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. pentapomicum* J. Stewart ex Brandis

**4. Distribution:**

**Global:** Turkestan, Hindukush, Afghanistan, India, Pakistan

**India:** North Western Himalaya

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

**6. Threat Status:**

**IUCN:** Least concern

**BSI:**

**7. Habit and Habitat:** Tree

**8. Life Form:** Phanerophytes

**9. Economic Importance:** Wood is used for making farming implements

**10. Probable Progenitor of:**

**11. DNA**

C-value

Methodology

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

**13. Zygotic chromosome number(s):**  $2n=26^2$

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