

**Genus Datasheet**  
**DBT- Network Programme**

**Datasheet No. A-140.031**  
(family.Genus)

**1. Genus:** *Myroxylon*L.f.

**2. Systematic Position:**

**APG IV (2016)**

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Clade: Fabids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Genus: *Myroxylon*L.f.

**Bentham and Hooker (1862)**

Kingdom: Plantae  
Division:Phanerogamia  
Class: Dicotyledons  
Subclass: Polypetalae  
Series: Calyciflorae  
Cohors: RosalesBercht. & J. Presl  
Ordo: Leguminosae Juss.  
Subordo: PapilionaceaeGiseke  
Genus:*Myroxylon*L.f.

**3. Species:**

**Global:** 4

**India:** 1

**4. Taxonomic riddles:**

**5. Distribution:**

**Global:** America, Caribbean, India, Sri Lanka

**India:** Karnataka, Kerala, West Bengal

**6. Habit and Habitat:**Tree.

**7. Economic Importance:**Peru balsam is obtained from the scorched and wounded trunk of *Myroxylonbalsamum*var. *pereirae*.It'straditional herbal medicinal product used for cosmetic & pharmaceutical industries.

**8. DNA content range:**

**Methodology**

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

**10. Zygotic chromosome number(s):** $2n= 28^1$

**11. Gametic chromosome number(s):**

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

**13. Ploidy level:**

**14. Nature of polyploidy (auto, segmental, allo, autoallo):**

**15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):**

**16. Karyograms:**

**Meiosis:**

**17. Banding pattern(s):**

**18. Physical mapping of chromosomes:GISH:**

**19. Phylogenetic relationship atChromosomal; DNAlevel:**

**20. Cytogenetic mechanism (s) underlying evolution:**

**21. Linkage map:**

**22. Any other information:** Chromosome number is not reported in the following taxa:

*Myroxylonbalsamum* (L.) Harms

*Myroxylonbalsamum* (L.) Harms var. *balsamum*

*Myroxylonbalsamum* (L.) Harms var. *punctatum* (Klotzsch) Harms