

(Family.Genus)

1. Genus: *Silybum* Adans.**2. Systematic position:****APG IV (2016)**

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasteride
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Silybum* Adans.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Silybum* Adans.

3. Species:**Global:** 2**India:** 1**4. Taxonomic riddles:****5. Distribution:**

Global: Argentina, Australia, Bolivia, Brazil, Canada, Chile, China, Colombia, Ecuador, Kenya, Mexico, New Zealand, Peru, South Africa, USA, Uruguay, Venezuela

India: North West Himalaya, North India, Nilgiris

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6. Habit and Habitat: Herb.**7. Economic Importance:** Edible**8. DNA content range:****Methodology****9. Basic chromosome number(s):** $x=17$ ¹**10. Zygotic chromosome number(s):** $2n=34$ ¹⁻⁹

11. Gametic chromosome number(s): $n = 17^{10}$

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

13. Ploidy level:

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

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

16. Karyograms:^{1,2,3} **Meiosis:**¹⁰

17. Banding pattern(s):

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

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: