

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

**Datasheet No. A-403.068**  
(family.Genus)

**1. Genus:** *Carduus* L.

**2. Systematic position:**

**APG IV (2016)**

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Carduus* L.

**Bentham and Hooker (1862)**

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

**3. Species:**

**Global:** 130

**India:** 5

**4. Taxonomic riddles:**

**5. Distribution:**

**Global:** China, Bolivia, South Africa, Pakistan, Sri Lanka, South Europe, South West Asia, USA

**India:** North-West Himalaya

**6. Habit and Habitat:** Herb.

**7. Economic Importance:**

**8. DNA content range:**

**Methodology**

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

**10. Zygotic chromosome number(s):**  $2n = 16^{1-6, 19}$ ,  $2n = 18^{7, 8, 9}$ ,  $2n = 32^{10, 11}$ ,  $2n = 54^{1, 2, 10, 12, 15, 16}$ ,  
 $2n = 64^{13-15}$

**11. Gametic chromosome number(s):**  $n = 20^{20}$ ,  $n = 27^{15,17}$

**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:** 15, 17, 20

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

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

**19. Phylogenetic relationship at:**

**Chromosomal level**

**DNA level** <sup>18</sup>

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

**21. Linkage map:**

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

*Carduus kumaunensis (Arenes) Kazmi*