

# Genus Data Sheet

Datasheet No. A-098.016  
(family,genus,species)

DBT- Network Programme

1. Genus:*Kobresia* Wild.

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Kobresia* Wild

**Bentham and Hooker (1862)**

Kingdom: Plantae  
Division:Phanerogamia  
Class: Monocotyledones  
Series: Glumaceae  
Ordo: Cyperaceae Juss.  
Genus: *Kobresia* Wild

3. Species:

Global:57

India: 31

4. Taxonomic riddles:

5. Distribution:

**Global:**Europe, Bhutan, India, Nepal, Tibet, Asia and North America, with many species native to the Himalayas.

**India:**Northwest India,Sikkim, West Bengal, Himachal Pradesh, Jammu & Kashmir, Uttarakhand.

6. Habit and Habitat:Herb

7.Economic Importance:

8. DNA content range:

Methodology

2C: 4C:

9. Basic chromosome number(s): $x=8^2$

10. Zygotic chromosome number(s): $2n=32^8 56^4 58^5,6 80^{1,2} 122^7$

**11. Gametic chromosome number(s):**  $n=40^{1,2}$

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

**13. Ploidy level:** Decaploid<sup>2</sup>

**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 at Chromosomal; DNA level:**

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

**21. Linkage map:**

**22. Any other information:** Five species have been done out of total Thirty three as per APG-IV