

Species Datasheet

Datasheet No. A-140.084.029
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cicermicrophyllum* Benth

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Cicer jacquemontii* Jaub. & Spach

3. Systematic Position: APG IV; Bentham and Hooker:

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Dicotyledons

Subclass: Polypetalae

Series: Calyciflorae

Cohors: Rosales Bercht. & J. Presl

Ordo: Leguminosae Juss.

Subordo: Papilionaceae Giseke

Genus: *Cicer* L.

Species: *Cicermicrophyllum* Benth

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Cicer* L.
- Species: *Cicermicrophyllum* Benth

4. Distribution:

Global China, Tajikistan, Afghanistan, India, Nepal, Pakistan

India Himachal Pradesh, Jammu and Kashmir, Uttar Pradesh

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herbaceous, Erect

8. Life Form: Perennial

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=16$ ¹³⁷

14. Gametic chromosome number(s): $n=8$ ^{137,138}

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid¹³⁷

Image file

17. Agametoploidy:

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

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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^{8II¹³⁷}

Image file

27.Chromosome distribution at anaphase I:

28.Genetic diversity:

Chromosomal level

Image file

DNA level^{45,49,66,94}

29.Any other information (Apomixis; Inversion; Male sterility;Pollen grain mitosis; Pollen stainability;Translocationsetc.):Pollen stainability: 100%^{137,138}

Tertiary gene pool of *C.arietinum*