

Species Datasheet

Datasheet No. A-140.084.010
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cicercuneatum* Hoechst. ex Rich
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:

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: *Cicercuneatum* Hoechst. ex Rich

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Cicer* L.
- Species: *Cicercuneatum* Hoechst. ex Rich

4. Distribution:

Global

India Experimental stations

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

6. Threat Status:

IUCN

BSI

7.Habit and Habitat:

8.Life Form:Annual

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value

Methodology

2C (2.50pg)¹

Microdensitometer

12.Basic chromosome number(s):

13.Zygotic chromosome number(s): $2n= 16^{1,18,23} - 26, 30,36,37$

14.Gametic chromosome number(s): $n= 8^{18}$

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

Image file

16.Ploidy level:Diploid^{1,18,23 - 26, 30,36,37}

Image file

17.Agametoploidy:

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

19.Genomic formula:

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

21.Somatic chromosomes:^{1,18,30,36,37}

Karyotype Majoritymetacentric /submetacentric chromosomes

Chromosome size Small

NOR chromosome(s) 2

Degree of asymmetry Symmetrical

Image file

22. Banding pattern(s):C- banding³⁷

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 8 II¹⁸

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level^{45,46,48,52,64,66,79,80,83,89, 94,107}

29. Any other information (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.): Tertiary gene pool of *C. arietinum*