

Species Datasheet

Datasheet No. A-140.084.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Ciceranatolicum* Alef

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: *Ciceranatolicum* Alef

APG IV (2016)

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

4. Distribution:

Global Turkey, Iran, Iraq, Armenia

India Experimental stations

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

6. Threat Status:

IUCN

BSI

7.Habit and Habitat:Herbaceous, Erect,Branched, Height ~ 20 to 40cm

8.Life Form:Perennial

9.Economic Importance:

10.Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s): $x= 8$ ¹³⁹

13. Zygotic chromosome number(s): $2n= 16$ ^{139,140}

14. Gametic chromosome number(s):

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

Image file

16.Ploidy level:Diploid ^{139,140}

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: ^{139,140}

Karyotype Majority submetacentric chromosomes

Chromosome sizeSmall

NOR chromosome(s)2

Degree of asymmetrySymmetrical

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

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level^{44,49,64,66,80,87,105}

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