

Species Datasheet

Datasheet No. A-140.084.036
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cicerpinnatifidum* Jaub & Spp
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: *Cicerpinnatifidum* Jaub & Spp

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Cicer* L.
- Species: *Cicerpinnatifidum* Jaub & Spp

4. Distribution:

Global Armenia, Cyprus, Iraq, Syria, Turkey

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 (2.56pg)¹

Microdensitometer

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=16^{1,11,18,23} - 26,32,36,37

14. Gametic chromosome number(s):n= 8^{11,18}

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

Image file

16.Ploidy level:Diploid^{1,11,18,23} - 26,32,36,37

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:^{1,11,18,30,32,36,37}

Karyotype Majority metacentric /submetacentric chromosomes

Chromosome sizeSmall

NOR chromosome(s)2

Degree of asymmetrySymmetrical

Image file

22. Banding pattern(s):C- banding ³⁷

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 meiosis8II^{11,18}

Image file

27. Chromosome distribution at anaphase I:8:8¹¹

28. Genetic diversity:

Chromosomal level³⁷

Image file

DNA level^{45,46,48,52,62,64,66,79,80,83,86,87,89,94,105,107,108}

29. Any other information (Apoixis; Inversion; Male sterility; Pollen grain mitosis;

Pollen stainability; Translocation etc.):Pollen stainability: 98.6%²⁴

Tertiary gene pool of *C. arietinum*