

# Species Datasheet

Datasheet No. A-140.084.047  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Ciceryamashitae* Kitamura

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: *Ciceryamashitae* Kitamura

### APG IV (2016)

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

## 4. Distribution:

Global Afghanistan

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

**12.Basic chromosome number(s):**

**13. Zygotic chromosome number(s):** $2n=16^{18,30,36}$

**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<sup>18,30,36</sup>

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:**<sup>18,30,36,37</sup>

**Karyotype** Majority metacentric /submetacentric chromosomes

**Chromosome size**Small

**NOR chromosome(s)**2

**Degree of asymmetry**Symmetrical

Image file

**22. Banding pattern(s):**C- banding<sup>37</sup>

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**8II<sup>18</sup>

Image file

**27. Chromosome distribution at anaphase I:**

**28. Genetic diversity:**

**Chromosomal level**<sup>37</sup>

Image file

**DNA level**<sup>45,46,48,49,52,64,66,79,80,83,89,94,107</sup>

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