

Species Datasheet

Datasheet No. A-140.079.009
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Clitoria ternatea* L

Variety

Cultivar

Hybrid

2. Synonyms:

- *Ternateaternatea* (L.) Kuntze
- *Ternatea vulgaris* Kunth

3. Systematic position: APG; Bentham and Hooker:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Subfamily: Faboideae Rudd
- Genus: *Clitoria* L.
- Species: *Clitoria ternatea* L

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: LeguminosaeJuss.
Subordo: PapilionaceaeGiseke
Genus: *Clitoria* L.
Species: *Clitoria ternatea* L

4. Distribution:

Global: Asia, Europe, Americas

India:

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat:

8. Life Form: perennial, twinning herb

9.Economic Importance: ornamental, forage and medicinal values

10. Probable Progenitor of:

11.DNA

C-valueMethodology

4C DNA - (22.17-27.62) pg Feulgen in situ Cytophotometry⁹

12.Basic chromosome number(s): $x = 8^1$

13. Zygotic chromosome number(s): $2n = 14^2, 3, 15, 21, 26$

$2n = 15^{21}$

$2n = 16^{1, 5, 9-25}$

14. Gametic chromosome number(s): $n = 6^{21}$

$n = 7^{3, 21}$

$n = 8^{4, 5, 6, 7, 11, 15, 21, 27, 28}$

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

16.Ploidy level:Diploid^{9, 14, 18, 25}

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, 5, 23}

Karyotype:MajorityMetacentric and Submetacentric Chromosomes

Chromosome size:Medium

NOR chromosome(s): 2

Degree of asymmetry:Asymmetrical

22. Banding pattern(s):

23.Physical mapping of chromosomes:

In situ hybridization

Fluorescent in situ hybridization

24.Genomic in situ hybridization:

25. Linkage map:

26.Chromosome associations:

Female meiosis

Male meiosis8 II⁵

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level:

DNA level: 8, 20, 29, 30, 31, 32, 33, 34

**29. Any other information (Aponixis; Inversion; Male sterility; Pollen grain mitosis;
Pollen stainability; Translocations etc.):**