

# Species Datasheet

Datasheet No. A-140.024.001  
(family.genus.species)

DBT- 1

## 1. Taxon:

Species: *Wisteria sinensis* (Sims) DC.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Glycine sinensis* Sims, *Millettichinensis* Benth., *Rehsoniasinensis* (Sims) Stritch, *Wistariasinensis* (Sims) DC., *W. chinensis* DC., *W. praecox* Hand.-Mazz., *Wisteria sinensis* var. *albiflora* Lem.

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Clade: Fabids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Genus: *Wisteria* Nuttall
- Species: *W. sinensis* (Sims) DC.

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Dicotyledons  
Subclass: Polypetalae  
Series: Calyciflorae  
Cohors: RosalesBercht. & J. Presl  
Ordo: Leguminosae Juss.  
Subordo: PapilionaceaeGiseke  
Genus: *Wisteria* Nuttall  
Species: *W. sinensis* (Sims) DC.

## 4. Distribution:

**Global:** America, China, Europe, India, Nepal, Pakistan

**India:** Himachal Pradesh, Jammu-Kashmir, Punjab, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal

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

## 6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Climbers up to 15 m tall.

8. **Life Form:** Phanerophytes

9. **Economic Importance:** Ornamental vine

**10. Probable Progenitor of:**

**11.DNA**

**C-value                      Methodology**

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

**13. Zygotic chromosome number(s):** $2n=16^{1,2}$

**14. Gametic chromosome number(s):** $n= 16^3$

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

Image file

**16.Ploidy level:**

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:**

**Karyotype**

**Chromosome size**

**NOR chromosome(s)**

**Degree of asymmetry**

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**

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