

Species Datasheet

Datasheet No. A-140.078.033
(family.genus.species)

DBT- Networ

1.Taxon:

Species: *Cajanusvolubilis*(Blanco) Blanco
Variety
Cultivar
Hybrid

Image file

2. Synonyms:

- [*Atylosiacrassa* Prainex King](#)
- [*Atylosiavolubilis* \(Blanco\) Gamble](#)
- [*Cajanuscrassus* \(Prainex King\) Maesen](#)
- [*Cantharospermumvolubile* \(Blanco\) Merr.](#)
- [*Cytisusvolubilis* Blanco](#)

3.Systematic Position: APG IV; Bentham and Hooker:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Subfamily: Faboideae Rudd
- Genus: *Cajanus* DC
- Species:*Cajanusvolubilis*(Blanco)
Blanco

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Rosales Bercht. & J. Presl
- Ordo: LeguminosaeJuss.
- Subordo: PapilionaceaeGiseke
- Genus: *Cajanus* DC
- Species: *Cajanusvolubilis*(Blanco) Blanco

4.Distribution:

Global:Southern – Eastern Asia

India:

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

6.ThreatStatus:

IUCN

BSI

7.Habit and Habitat:Climbing: climbing Habit: herb.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:It forms the Tertiary Gene Pool

11.DNA

C-valueMethodology

4C DNA $-(4.65 \pm 0.03)$ pgFeulgen Microdensitometry¹

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=22$ ¹

14. Gametic chromosome number(s):

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

16.Ploidy level:

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

Karyotype:MajorityMetacentric and Sub Metacentric Chromosome

Chromosome size: Small

NOR chromosome(s): 4

Degree of asymmetry:Symmetrical karyotypes

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 meiosis

Image file

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level^{1, 56, 57}

DNA level: 5, 6, 113

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