

Species Datasheet

Datasheet No. A-140.078.012
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cajanusgoensis* Dalzell
Subspecies
Variety
Cultivar
Hybrid

2. Synonyms:

- [*Atylosiabarbata* \(Benth.\) Baker](#)
- [*Atylosiacalycina* \(Miq.\) Kurz](#)
- [*Atylosiagoensis* \(Dalzell\) Dalzell](#)
- [*Atylosiasiamensis* Craib](#)
- [*Cantharospermumbarbatum* \(Benth.\) Koord.](#)
- [*Dolichos barbatus* Wall.](#)
- [*Dunbariabarbata* Benth.](#)
- [*Dunbariacalycina* Miq.](#)
- [*Dunbariastipulata* Thuan](#)
- [*Dunbariathorelii* Gagnep.](#)
- [*Endomalluspellitus* Gagnep.](#)
- [*Endomalluspirei* Gagnep.](#)

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: *Cajanusgoensis* Dalzell

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: *Cajanusgoensis* Dalzell

4.Distribution:

Global: Southern – Eastern Asia

India

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

6.ThreatStatus:

IUCN

BSI

7.Habit and Habitat:

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:It forms the tertiary gene pool

11.DNA

C-valueMethodology

4C- (8.08 ± 0.04) pgFeulgen Microdensitometry¹

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n = 22^{99, 100}$

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: Majority Metacentric and Submetacentric

Chromosome size: Small

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 meiosis

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level^{5, 101}

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