

Species Datasheet

atasheet No. A-140.034.002

DBT- Network Programme

family.genus.species)

1. Taxon:

Species: *Smithiablanda* Wall.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Smithiablanda* var. *paniculata* (Arn.) Baker, *S. blandavar. racemosa* (Wight & Arn.) Baker, *S. bodinieri* H. Lev., *S. paniculata* Arn., *S. racemosa* Wight & Arn., *S. yunnanensis* Franch.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Smithia* Aiton
- Species: *S. blanda* Wall.

Species: *S. blanda* Wall.

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: *Smithia* Aiton

4. Distribution:

Global: Asia

India: Throughout

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

6. Threat Status:

IUCN: Least concern

BSI:

7. **Habit and Habitat:** Herb. It is annual and it can be seen in wet places, along ditches, around pools, in irrigated fields and waste places.

8. **Life Form:** Chamaephyte

9. Economic Importance: Fodder

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=38^7$

14. Gametic chromosome number(s): $n=19^5$

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

Image file

16. Ploidy level:

Image file

17. Agameteoploidy:

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.):