

Species Datasheet

Datasheet No. A-074.002.022
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species
Subspecies
Variety *Asparagus racemosus* var. *racemosus*
Cultivar
Hybrid

Image file

2. **Synonyms:** *Protasparagus racemosus* (Willd.) Oberm.,

3. Systematic Position:

- | | |
|---|--|
| <p>APG IV (2016)</p> <ul style="list-style-type: none">• Kingdom: Plantae• Clade: Angiosperms• Clade: Monocots• Order: Asparagales• Family: Asparagaceae Juss.• Genus: <i>Asparagus</i> L.• Species: <i>A. racemosus</i> Willd.• Variety: <i>A. racemosus</i> var. <i>racemosus</i> | <p>Bentham and Hooker (1862)</p> <p>Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronaricae
Ordo: Liliaceae Juss.
Tribus: Asparageae Dumort.
Genus: <i>Asparagus</i> L.
Species: <i>A. racemosus</i> Willd.
Variety: <i>A. racemosus</i> var. <i>racemosus</i></p> |
|---|--|

4. Distribution:

Global: Africa, Asia, Australia.

India: Throughout India

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Climbing plant up to 6 ft. Found in Forests, forest margins, secondary forest, wooded grassland, secondary bush land and grassland of Tropical Dry Forest.

8. **Life Form:** Phanerophyte

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

C- value

Methodology

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

13. **Zygotic chromosome number(s):**

14. **Gametic chromosome number(s):**

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; Translocations etc):