

Species Datasheet

Datasheet No. A-074.002.024
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Asparagus rottleri* Baker
Subspecies
Variety
Cultivar
Hybrid
Image file

2. **Synonyms:** *Asparagus floribundus* Royle [Invalid]; *Protasparagus rottleri* (Baker) Kamble.

3. Systematic Position:

- APG IV (2016)**
- Kingdom: Plantae
 - Clade: Angiosperms
 - Clade: Monocots
 - Order: Asparagales
 - Family: Asparagaceae Juss.
 - Genus: *Asparagus* L.
 - Species: *A. rottleri* Baker

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Liliaceae Juss.
Tribus: Asparageae Dumort.
Genus: *Asparagus* L.
Species: *A. rottleri* Baker

4. Distribution:

Global: India

India: Peninsular India

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Grows in Tropical Dry Forest

8. **Life Form:** Hemicryptophyte.

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. **Agametoploidy**

18. **Nature of polyploidy (auto, segmental, allo, autoallo):**

19. **Genomic formula:**

20. **Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

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):