

# Species Datasheet

Datasheet No. A-074.002.019  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species *Asparagus penicillatus* Hara  
Subspecies  
Variety  
Cultivar  
Hybrid  
Image file

2. **Synonyms:** *Protasparagus penicillatus* (Hara) Kamble

## 3. Systematic Position:

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

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

## 4. Distribution:

**Global:** Nepal

**India:**

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

## 6. Threat Status:

**IUCN:**

**BSI:**

7. **Habit and Habitat:** Grows in Temperate Mixed 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):**