

# Species Datasheet

Datasheet No. A-073.005.002  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species *Hymenocallis daphe* Herb.

Subspecies

Variety

Cultivar

Hybrid

Image file

## 2. Synonyms:

### 3. Systematic Position:

#### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Amaryllidaceae J. St.-Hil.
- Genus: *Hymenocallis* Salisb.  
Species: *H. daphe* Herb.

#### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Epigynae  
Ordo: Amaryllideae Dumort.  
Genus: *Hymenocallis* Salisb.  
Species: *H. daphe* Herb.

## 4. Distribution:

**Global:**

**India:**

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Herb.

**8. Life Form:** Bulbous geophytes

**9. Economic Importance:**

**10. Probable Progenitor of:**

**11. DNA**

**C- value**

**Methodology**

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

**13. Zygotic chromosome number(s):**  $2n=42^4$

$2n=44^{1,4}$

$2n=46^4$

**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):** Variant chromosome number showing  $2n=42^1$ ,  $2n=54^1$ ,  $2n=57^1$ ,  $2n=66^1$ ,  $2n=70^1$ ,  $2n=72^1$ ,  $2n=88^1$

**21. Somatic chromosomes:**

**Karyotype:** Majority metacentric to submetacentric chromosomes<sup>1</sup>, Majority metacentric or subtelocentric chromosomes<sup>4</sup>

**Chromosome size:** Small to very large<sup>1</sup>

**NOR chromosome(s):** 10 NOR<sup>1</sup>

**Degree of asymmetry:** Stebbin's 3B category<sup>4</sup>

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):**