

Species Datasheet

Datasheet No. A-073.003.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Crinum amoenum* Roxb. ex Ker Gawl.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Crinum himalense* Royle, *C. verecundum* Carey ex M.Roem.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Amaryllidaceae J. St.-Hil.
- Genus: *Crinum* L.
- Species: *C. amoenum* Roxb. ex Ker Gawl.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Epigynae
Ordo: Amaryllideae Dumort.
Genus: *Crinum* L.
Species: *C. amoenum* Roxb. ex Ker Gawl.

4. Distribution:

Global: India, Bangladesh, Nepal.

India: Tropical Himalaya, Sikkim.

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb; Tropical Moist Forest

8. **Life Form:** Bulbous geophytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. DNA

C- value

Methodology

12. **Basic chromosome number(s):** $x = 11$ ^{1,2,3}

13. **Zygotic chromosome number(s):** $2n = 22$ ^{1, 2, 3, 4, 5, 6}

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

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

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16. **Ploidy level:** Diploid ²

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: Majority submetacentric chromosomes ²

Chromosome size

NOR chromosome(s): 2 NOR ^{2,3}

Degree of asymmetry:

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22. Banding pattern(s): CMA positive bands ³, DAPI positive bands ³

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):