

Species Datasheet

Datasheet No. A-073.003.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Crinum* × *amabile* Donn ex Ker Gawl.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Crinum* × *amabile* var. *augustum* (Roxb.) Ker Gawl., *C.* × *augustum* Roxb., *C.* × *superbum* Roxb.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Amaryllidaceae J. St.-Hil.
- Genus: *Crinum* L.
- Species: *Crinum* × *amabile* Donn ex Ker Gawl.
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Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Epigynae
Ordo: Amaryllideae Dumort.
Genus: *Crinum* L.
Species: *Crinum* × *amabile* Donn ex Ker
Gawl.

4. Distribution:

Global: Indian subcontinent

India:

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb. Tropical Dry Forest

8. **Life Form:** Bulbous geophytes

9. **Economic Importance:** Ornamental

10. **Probable Progenitor of:**

11. DNA

C- value

Methodology

12. **Basic chromosome number(s):** $x=11$ ²

13. **Zygotic chromosome number(s):** $2n=32$ ²

$2n=33$ ^{2,30,31}

$2n=34$ ²

14. **Gametic chromosome number(s):** $n=11$ ^{2,31}

$n=13$ ²

$n=14$ ²

$n=15$ ²

$n=17$ ²

$n=18$ ²

$n=23$ ²

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

Image file

16. **Ploidy level:** Triploid ^{2,31}

Image file

17. **Agametoploidy**

18. **Nature of polyploidy (auto, segmental, allo, autoallo):** Allopolyploid ^{2,31}

19. **Genomic formula:**

20. **Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):**

21. **Somatic chromosomes:**

Karyotype: Majority submetacentric chromosomes ²

Chromosome size

NOR chromosome(s): 1 NOR ²

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 0.46 III + 10.51 II + 10.6 I ^{2,31}, 11 II + 11 I ³¹

Image file

27. **Chromosome distribution at anaphase I:** Unequal distribution of chromosomes to poles with univalents dividing precociously in the middle ^{2,31}

28. **Genetic diversity:**

Chromosomal level

Image file

DNA level

29. **Any other information (Aponixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):** Pollen grain mitosis ², Pollen fertility 1% ³¹